



Pneumatic Products





Industry Standouts for Over 50 Years

The benefits of an innovative, pneumatic coupling design were solid enough to single-handedly launch CEJN in 1955.

This reliable, easy-to-handle coupling replaced cumbersome and undependable compressed air couplings of the era and has remained a staple for customers around the world.

That original quick connect coupling keeps good company at CEJN. CEJN's strategy to provide what customers value most has enabled the company to offer numerous series of couplings that fill specific needs, as well as hose, hose kits, hose and cable reels, blowguns, air treatment products, and accessories.

Supported by global, ISO 9001-certified assembly and testing operations, CEJN products are manufactured to meet stringent functionality and quality requirements and are rigorously tested to ensure they can perform the tasks set before them.

No products are better suited to compressed air applications than CEJN pneumatic products. Each product benefits from a well-planned, well-made approach that makes it an industry standout.



CEJN Pneumatics Products

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Cost-saving Benefits



Delivering Cost-saving Benefits through Well-planned Features

One of the major costs in manufacturing environments is compressed air. Optimization of compressed air systems can have a major impact on controlling costs for this on-site generated energy source.

The most common causes of energy loss in compressed air systems are leaks and pressure drop.

Leaks can be a leading source of wasted energy in compressed air systems. They can cause a drop in system pressure and shorten the life of nearly all system components.

Pressure drop leads to insufficient power for tools. Efficiency losses on tools lead to longer work cycles and higher production costs result.

CEJN pneumatic couplings are specially designed to address the primary causes of energy loss in compressed air systems through well-planned features. In turn, CEJN couplings result in significant reduction in energy consumption.

In addition to energy costs, CEJN couplings also address such problems as safety concerns, shortened component life, and high maintenance costs.

Air Leakage

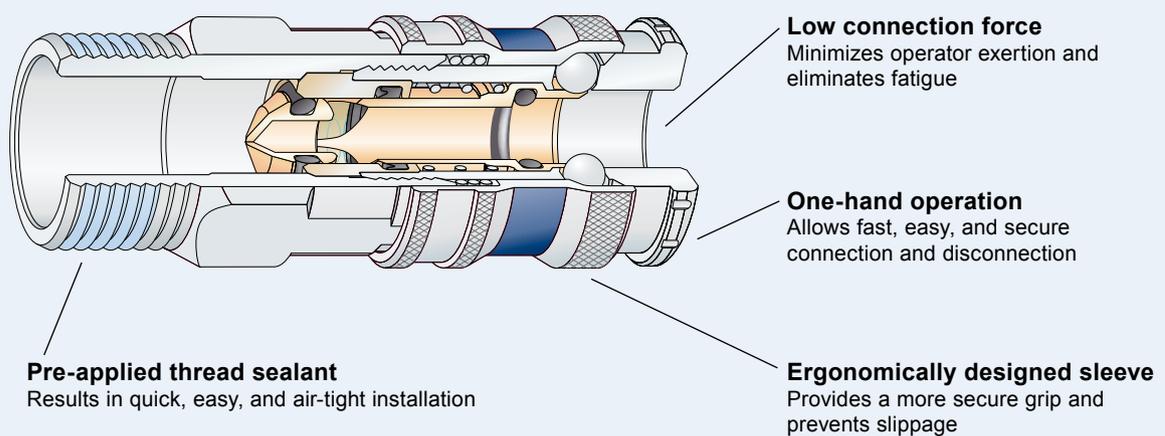
Hole diameter – Volume of leaking air at 8 bar

- 1 mm 75 l/min
- 3 mm 600 l/min
- 5 mm 1700 l/min

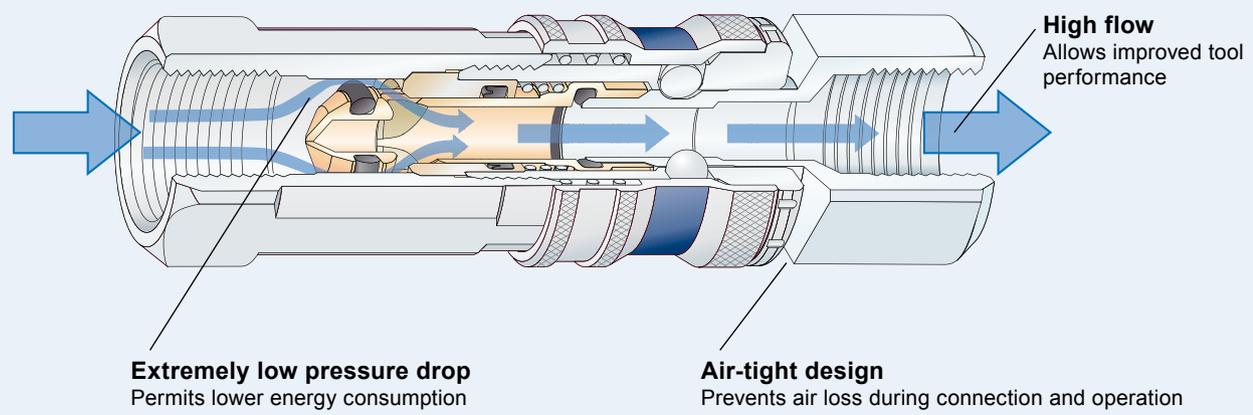




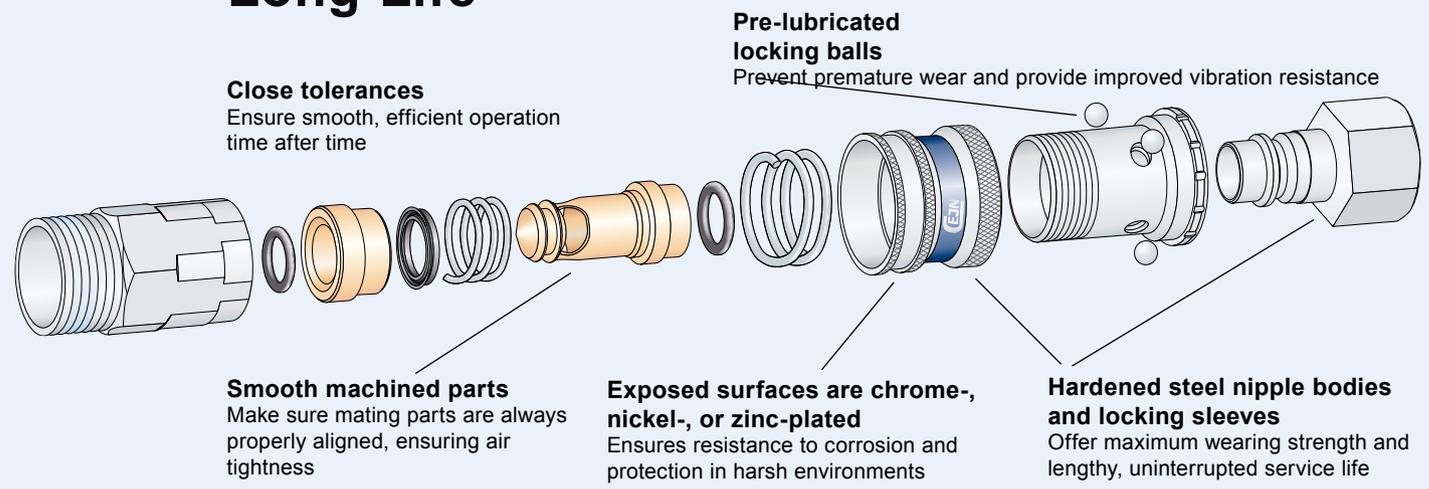
Easy To Handle



High Efficiency



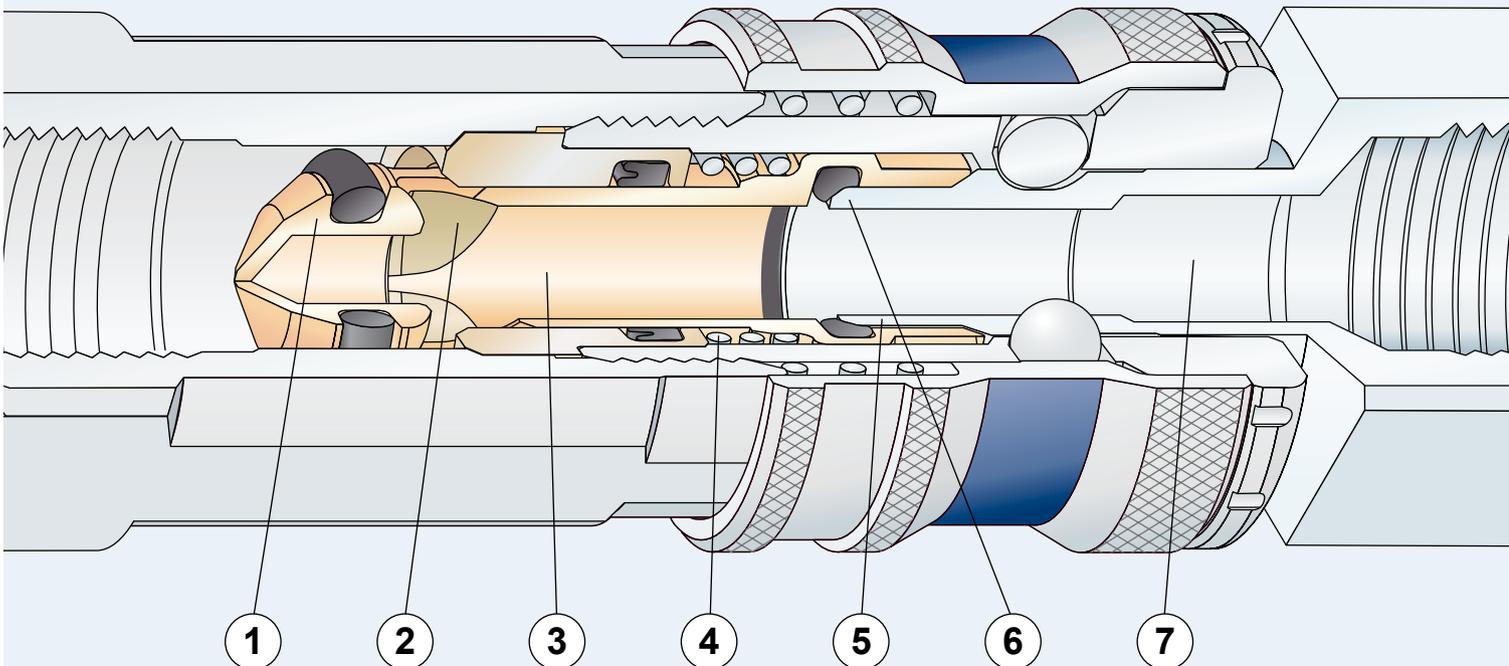
Long Life



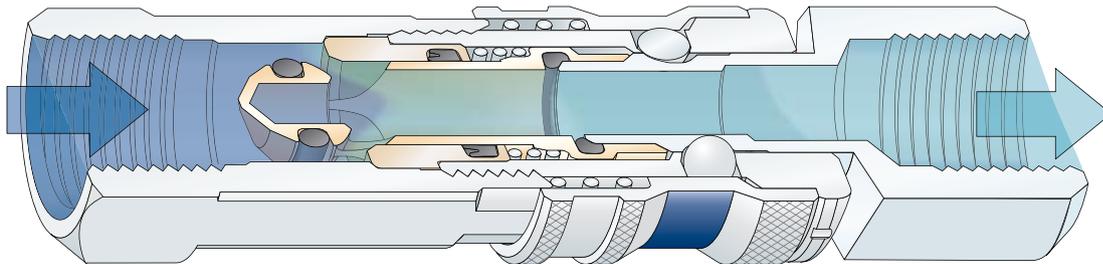
Unique Valve Construction Adds to Superior Performance of CEJN Pneumatic Couplings

Numerous construction features make the CEJN valve unique:

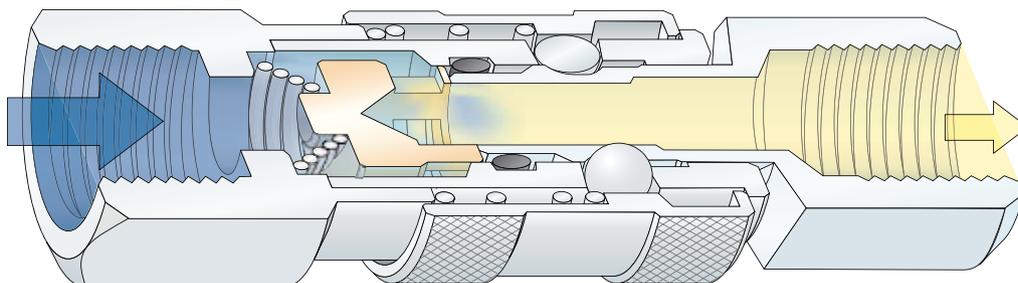
- 1. Aerodynamic, conical-shaped valve**
Air is allowed to flow into the valve without undue turbulence, resulting in less pressure drop and higher flow.
- 2. Extra-large, aerodynamic-shaped ports**
Air flow is enhanced, resulting in less pressure drop and higher flow.
- 3. Smooth, linear flow angles**
Instability and drag are eliminated, resulting in less pressure drop and higher flow.
- 4. Valve spring located outside the flow path**
A major obstruction to flow is eliminated, resulting in less pressure drop and higher flow.
- 5. Nipple goes into the valve**
The circumference of the nipple is sealed with an O-ring inside the valve, preventing leaks due to side loads and misalignment.
- 6. Minimal pressure area**
Less surface area of the valve is exposed to pressure, resulting in lower connection force.
- 7. Hardened steel nipple machined to precise specifications**
Properly opened valve and larger inside diameter result in less pressure drop and higher flow.



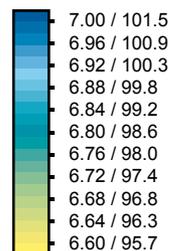
CEJN COUPLING



BRAND X COUPLING



Pressure (bar/PSI)



The smart design of CEJN couplings overcomes common problems associated with conventional couplings, such as:

Extremely high pressure drop

Caused by a valve that is flat with very sharp edges and severe flow angles

Excessive restrictions to flow

Caused by a spring in the flow path and very small valve ports, as well as nipples with small inside diameters

Leaks

Caused by metal-to-metal contact between the valve and nipple

High connection force

Caused by excessive surface area exposed to pressure

Short coupling service life

Caused by less durable, brass nipples that are prone to wear and tear



Series 141 – Standard

CEJN ORIGINAL MINIATURE STANDARD GLOBAL

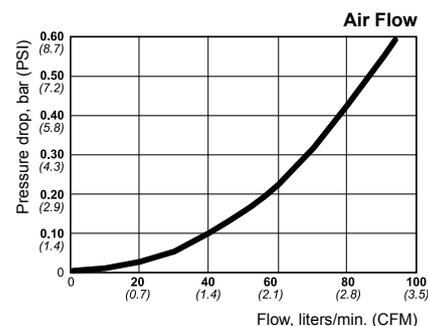
- **Extremely small external dimensions**
- **One-hand operation**
- **Suitable for several media**

Series 141 mini couplings are among the smallest couplings on the market. The series offers CEJN's popular product features in a small package and is suitable for fluid and vacuum lines, as well as pneumatic applications.



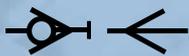
Technical Data

Nominal flow dia.....	2.5 mm (3/32")
Flow capacity.....	86 l/min. (3.0 CFM)
Max. working pressure.....	10 bar (145 PSI)
Min. burst pressure.....	40 bar (580 PSI)
Temperature range.....	-30°C to +100°C (-22°F to +212°F)
Coupling Material.....	Chrome-plated brass
Nipple Material.....	Chrome-plated brass



COUPLINGS	Part No.	Connection
Hose connection 	10 141 1001	5 mm (3/16")
Male thread 	10 141 1151 10 141 1251 10 141 1451	R 1/8" G 1/8" NPT 1/8"
Female thread 	10 141 1201 10 141 1401	G 1/8" NPT 1/8"

NIPPLES	Part No.	Connection
Hose connection 	10 141 5000 10 141 5001	3 mm (1/8") 5 mm (3/16")
Male thread 	10 141 5151 10 141 5251 10 141 5451	R 1/8" G 1/8" NPT 1/8"
Female thread 	10 141 5201 10 141 5401	G 1/8" NPT 1/8"



Series 220 – Standard

CEJN ORIGINAL STANDARD

GLOBAL

- High flow capacity
- Small external dimensions
- One-hand operation

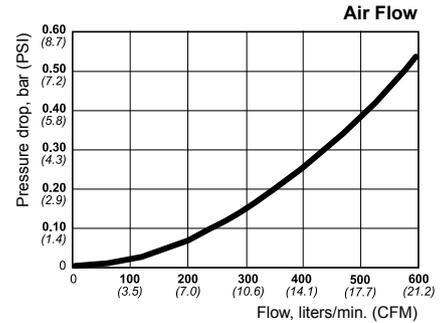
Series 220 couplings are suitable for fluid and vacuum applications, as well as compressed air. They offer high flow capacity for a wide range of applications. Safety rings to prevent unintentional disconnection are available on request.

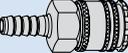
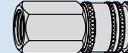
Refer to the CEJN Fluid Products Catalog for specialized versions of Series 220 with brass nipples (Series 221) and two-way shutoff (Series 225). Refer to the CEJN Breathing Air Products Catalog for Series 221 that offers an easy-to-grip locking sleeve.



Technical Data

- Nominal flow dia..... 5 mm (3/16")
- Flow capacity..... 580 l/min. (20.5 CFM)
- Max. working pressure 35 bar (508 PSI)
- Min. burst pressure 140 bar (2030 PSI)
- Temperature range -30°C to +100°C (-22°F to +212°F)
- Coupling Material Nickel-plated brass
- Nipple Material Hardened zinc-plated steel



COUPLINGS	Part No.	Connection
 Hose connection	10 220 1001	5 mm (3/16")
	10 220 1002	6.3 mm (1/4")
	10 220 1003	8 mm (5/16")
	10 220 1004	10 mm (3/8")
 Male thread	10 220 1151	R 1/8"
	10 220 1152	R 1/4"
	10 220 1154	R 3/8"
	10 220 1451	NPT 1/8"
	10 220 1452	NPT 1/4"
	10 220 1454	NPT 3/8"
 Female thread	10 220 1201	G 1/8"
	10 220 1202	G 1/4"
	10 220 1204	G 3/8"
	10 220 1401	NPT 1/8"
	10 220 1402	NPT 1/4"
	10 220 1404	NPT 3/8"

NIPPLES	Part No.	Connection
 Hose connection	10 220 5001	5 mm (3/16")
	10 220 5002	6.3 mm (1/4")
	10 220 5003	8 mm (5/16")
	10 220 5004	10 mm (3/8")
 Male thread	10 220 5151	R 1/8"
	10 220 5152	R 1/4"
	10 220 5154	R 3/8"
	10 220 5451	NPT 1/8"
	10 220 5452	NPT 1/4"
	10 220 5454	NPT 3/8"
 Female thread	10 220 5201	G 1/8"
	10 220 5202	G 1/4"
	10 220 5204	G 3/8"
	10 220 5401	NPT 1/8"
	10 220 5402	NPT 1/4"
	10 220 5404	NPT 3/8"

Flow capacity is measured at 6 bar (87 PSI) inlet pressure, and pressure drop at 0.5 bar (7 PSI). Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.



Series 300 – Standard & Vented Safety

ARO 210 STANDARD

BENELUX, NORTH AMERICA, SWITZERLAND

- **Full automatic operation**
- **Strong and durable**
- **High flow capacity**

Series 300 couplings offer high flow and require only a low connection force, which ensures a safe working environment. Male threads on the couplings and nipples feature pre-applied thread sealant.

The Series 300 vented safety version is disconnected in two stages in order to vent the coupling and minimize the risk of sudden component separation, which has the potential to cause operator injury. Full automatic operation ensures easy handling. The vented safety version complies with ISO Standard 4414 and EN 983.



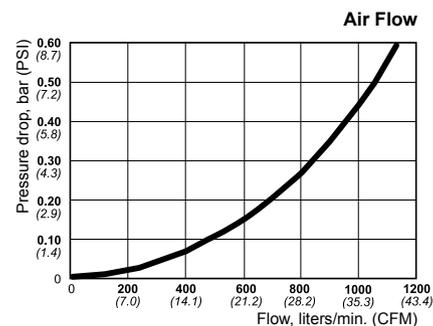
This series includes safety products.
For other safety products, see Page 67-74.



STANDARD

Technical Data

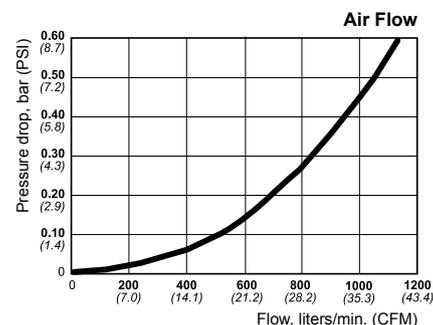
Nominal flow dia.....	5.5 mm (7/32")
Flow capacity.....	1050 l/min. (37.1 CFM)
Max. working pressure.....	16 bar (232 PSI)
Min. burst pressure.....	140 bar (2030 PSI)
Temperature range.....	-20°C to +100°C (-4°F to +212°F)
Coupling Material.....	Zinc-plated steel/brass
Nipple Material.....	Hardened zinc-plated steel
Connection force.....	70.7 N



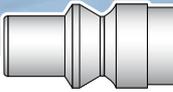
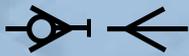
VENTED SAFETY

Technical Data

Nominal flow dia.....	5.5 mm (7/32")
Flow capacity.....	975 l/min. (34.4 CFM)
Max. working pressure.....	12 bar (174 PSI)
Min. burst pressure.....	48 bar (696 PSI)
Temperature range.....	-20°C to +80°C (-4°F to +176°F)
Coupling Material.....	Zinc-plated steel/brass
Connection force.....	59.8 N



Flow capacity is measured at 6 bar (87 PSI) inlet pressure, and pressure drop at 0.5 bar (7 PSI). Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.



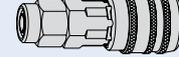
Series 300 – Standard & Vented Safety

ARO 210 STANDARD

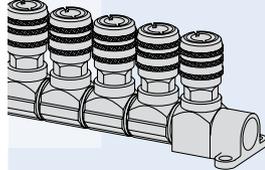
This series includes safety products.
For other safety products, see Page 67-74.



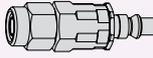
COUPLINGS	Part No.	Connection
Hose connection 	10 300 1002	6.3 mm (1/4")
	10 300 1003	8 mm (5/16")
	10 300 1004	10 mm (3/8")
Male thread 	10 300 1152	R 1/4"
	10 300 1154	R 3/8"
	10 300 1155	R 1/2"
	10 300 1452	NPT 1/4"
Female thread 	10 300 1202	G 1/4"
	10 300 1204	G 3/8"
	10 300 1402	NPT 1/4"
Stream-Line connection 	10 300 1060	6.5 x 10 mm
	10 300 1062	8 x 12 mm

VENTED SAFETY COUPLINGS	Part No.	Connection
Hose connection 	10 300 3002	6.3 mm (1/4")
	10 300 3003	8 mm (5/16")
	10 300 3004	10 mm (3/8")
	10 300 3005	13 mm (1/2")
Male thread 	10 300 3152	R 1/4"
	10 300 3154	R 3/8"
	10 300 3155	R 1/2"
	10 300 3452	NPT 1/4"
	10 300 3454	NPT 3/8"
	10 300 3455	NPT 1/2"
Female thread 	10 300 3202	G 1/4"
	10 300 3204	G 3/8"
	10 300 3205	G 1/2"
	10 300 3402	NPT 1/4"
	10 300 3404	NPT 3/8"
Stream-Line connection 	10 300 3060	6.5 x 10 mm
	10 300 3062	8 x 12 mm
	10 300 3063	9.5 x 13.5 mm
	10 300 3066	11 x 16 mm
Soft-Line Stream-Line connection (Page 26) 	10 300 3080	6.5 x 10 mm
	10 300 3082	8 x 12 mm

MULTI-LINK (Page 30)	Part No.	Connection
Center module, Vented Safety	19 902 1061	
Outlet module, Vented Safety	19 902 2061	G 1/2"
	19 902 2066	NPT 1/2"



NIPPLES	Part No.	Connection
Hose connection 	10 300 5002	6.3 mm (1/4")
	10 300 5003	8 mm (5/16")
	10 300 5004	10 mm (3/8")
Male thread 	10 300 5151	R 1/8"
	10 300 5152	R 1/4"
	10 300 5154	R 3/8"
	10 300 5155	R 1/2"
	10 300 5451	NPT 1/8"
	10 300 5452	NPT 1/4"
Female thread 	10 300 5201	G 1/8"
	10 300 5202	G 1/4"
	10 300 5204	G 3/8"
	10 300 5401	NPT 1/8"
	10 300 5402	NPT 1/4"
	10 300 5404	NPT 3/8"
Stream-Line connection 	10 300 5058	5 x 8 mm
	10 300 5060	6.5 x 10 mm
	10 300 5062	8 x 12 mm
	10 300 5063	9.5 x 13.5 mm
	10 300 5066	11 x 16 mm

ANTI-HOSE WHIP NIPPLES	Part No.	Connection
Hose connection 	10 300 8003	8 mm (5/16")
	10 300 8004	10 mm (3/8")
Stream-Line connection 	10 300 8060	6 x 10 mm
	10 300 8062	8 x 12 mm

Flow capacity is measured at 6 bar (87 PSI) inlet pressure, and pressure drop at 0.5 bar (7 PSI). Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.



Series 303 – Standard

FINLAND, SWEDEN

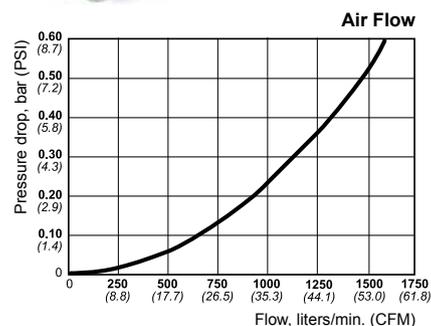
- **Strong and durable**
- **One-hand operation**
- **Low connection force**

Series 303 couplings offer high-flow capacity and are insensitive to vibrations. A wide range of connections is included in the series, which is also suitable for vacuum service. Male threads on the couplings and nipples feature pre-applied thread sealant.

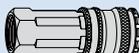
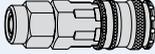


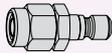
Technical Data

Nominal flow dia.....	6.3 mm (1/4")
Flow capacity.....	1450 l/min. (51.2 CFM)
Max. working pressure.....	16 bar (232 PSI)
Min. burst pressure.....	140 bar (2030 PSI)
Temperature range.....	-20°C to +100°C (-4°F to +212°F)
Coupling Material.....	Zinc-plated steel/brass
Nipple Material.....	Hardened zinc-plated steel
Connection force.....	85.0 N

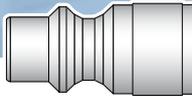
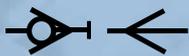


 **This series includes safety products.**
For other safety products, see Page 67-74.

COUPLINGS	Part No.	Connection
 Hose connection	10 303 1002	6.3 mm (1/4")
	10 303 1003	8 mm (5/16")
	10 303 1004	10 mm (3/8")
	10 303 1005	13 mm (1/2")
 Male thread	10 303 1152	R 1/4"
	10 303 1154	R 3/8"
	10 303 1155	R 1/2"
 Female thread	10 303 1202	G 1/4"
	10 303 1204	G 3/8"
	10 303 1205	G 1/2"
 Stream-Line connection	10 303 1058	5 x 8 mm
	10 303 1060	6.5 x 10 mm
	10 303 1062	8 x 12 mm
	10 303 1063	9.5 x 13.5 mm
	10 303 1066	11 x 16 mm

NIPPLES	Part No.	Connection
 Hose connection	10 303 5002	6.3 mm (1/4")
	10 303 5003	8 mm (5/16")
	10 303 5004	10 mm (3/8")
	10 303 5005	13 mm (1/2")
 Male thread	10 303 5151	R 1/8"
	10 303 5152	R 1/4"
	10 303 5154	R 3/8"
	10 303 5155	R 1/2"
 Female thread	10 303 5201	G 1/8"
	10 303 5202	G 1/4"
	10 303 5204	G 3/8"
	10 303 5205	G 1/2"
 Stream-Line connection	10 303 5058	5 x 8 mm
	10 303 5060	6.5 x 10 mm
	10 303 5062	8 x 12 mm
	10 303 5063	9.5 x 13.5 mm
	10 303 5066	11 x 16 mm
ANTI-HOSE WHIP NIPPLES		
 Hose connection	10 303 8002	6.3 mm (1/4")
	10 303 8003	8 mm (5/16")
	10 303 8004	10 mm (3/8")
	10 303 8005	13 mm (1/2")
 Male thread	10 303 8152	R 1/4"
 Stream-Line connection	10 303 8060	6.5 x 10 mm
	10 303 8062	8 x 12 mm
	10 303 8066	11 x 16 mm

Flow capacity is measured at 6 bar (87 PSI) inlet pressure, and pressure drop at 0.5 bar (7 PSI). Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.



Series 310 – Standard & Vented Safety

A-A 59439 (former U.S. Standard MIL C 4109 1/4"), ISO 6150 B

BENELUX, FRANCE, NORTH AMERICA, NORWAY, SWITZERLAND

- **High flow capacity**
- **One-hand operation**
- **Low connection force**

Series 310 offers a wide range of easy-to-grip couplings, including Soft-Line, Stream-Line, and Multi-Link connections. Male threads on the couplings and nipples feature pre-applied thread sealant.

The Series 310 vented safety version is disconnected in two stages in order to vent the coupling and minimize the risk of sudden component separation, which has the potential to cause operator injury. Full automatic operation ensures easy handling. The vented safety version complies with ISO Standard 4414 and EN 983.



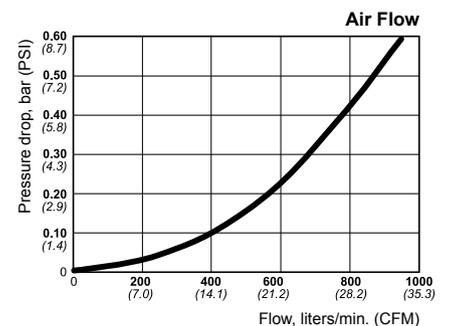
This series includes safety products.
For other safety products, see Page 67-74.



STANDARD

Technical Data

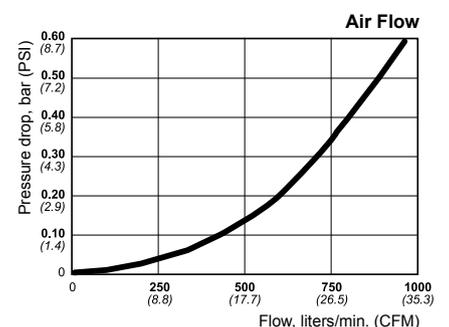
Nominal flow dia.	5.3 mm (7/32")
Flow capacity	925 l/min. (32.7 CFM)
Max. working pressure	16 bar (232 PSI)
Min. burst pressure	140 bar (2030 PSI)
Temperature range	-20°C – +100°C (-4°F – +212°F)
Coupling Material	Zinc-plated steel/brass
Nipple Material	Hardened zinc-plated steel
Connection force	70.7 N



VENTED SAFETY

Technical Data

Nominal flow dia.	5.3 mm (7/32")
Flow capacity	900 l/min. (31.8 CFM)
Max. working pressure	12 bar (174 PSI)
Min. burst pressure	48 bar (696 PSI)
Temperature range	-20°C – +80°C (-4°F – +176°F)
Coupling Material	Zinc-plated steel/brass
Connection force	61.7 N



Flow capacity is measured at 6 bar (87 PSI) inlet pressure, and pressure drop at 0.5 bar (7 PSI). Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.

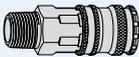
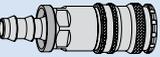


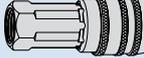
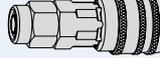
Series 310 – Standard & Vented Safety

A-A 59439 (former U.S. Standard MIL C 4109 1/4"), ISO 6150 B

This series includes safety products.
For other safety products, see Page 67-74.



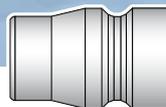
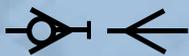
COUPLINGS	Part No.	Connection
Hose connection 	10 310 1002	6.3 mm (1/4")
	10 310 1003	8 mm (5/16")
	10 310 1004	10 mm (3/8")
	10 310 1005	13 mm (1/2")
Male thread 	10 310 1152	R 1/4"
	10 310 1154	R 3/8"
	10 310 1155	R 1/2"
	10 310 1452	NPT 1/4"
	10 310 1454	NPT 3/8"
	10 310 1455	NPT 1/2"
Female thread 	10 310 1202	G 1/4"
	10 310 1204	G 3/8"
	10 310 1205	G 1/2"
	10 310 1402	NPT 1/4"
	10 310 1404	NPT 3/8"
	10 310 1405	NPT 1/2"
	Stream-Line connection 	10 310 1058
10 310 1060		6.5 x 10 mm
10 310 1062		8 x 12 mm
10 310 1063		9.5 x 13.5 mm
10 310 1066		11 x 16 mm
CEJN-Lock hose connection 	10 310 1042	1/4"
	10 310 1044	3/8"
	10 310 1045	1/2"
Soft-Line (Page 26) 	Stream-Line connection	10 310 1083 6.5 x 10 mm
		10 310 1084 8 x 12 mm
	Female thread	10 310 1240 G 1/4"
		10 310 1241 G 3/8"
		10 310 1446 NPT 1/4"
	10 310 1447 NPT 3/8"	

VENTED SAFETY COUPLINGS	Part No.	Connection
Hose connection 	10 310 3002	6.3 mm (1/4")
	10 310 3003	8 mm (5/16")
	10 310 3004	10 mm (3/8")
	10 310 3005	13 mm (1/2")
Male thread 	10 310 3152	R 1/4"
	10 310 3154	R 3/8"
	10 310 3155	R 1/2"
	10 310 3452	NPT 1/4"
	10 310 3454	NPT 3/8"
Female thread 	10 310 3202	G 1/4"
	10 310 3204	G 3/8"
	10 310 3205	G 1/2"
	10 310 3402	NPT 1/4"
	10 310 3404	NPT 3/8"
Stream-Line connection 	10 310 3060	6.5 x 10 mm
	10 310 3062	8 x 12 mm
	10 310 3063	9.5 x 13.5 mm
Soft-Line (Page 26) 	Stream-Line connection	10 310 3080 6.5 x 10 mm
	Female thread	10 310 3082 8 x 12 mm
		10 310 3234 G 3/8"

MULTI-LINK (page 30)	Part No.	Connection
Center module	19 902 1070	
Outlet module	19 902 2070	G 1/2"
	19 902 2075	NPT 1/2"
 Center module, Vented Safety	19 902 1071	
 Outlet module, Vented Safety	19 902 2071	G 1/2"
	19 902 2076	NPT 1/2"

ANTI-HOSE WHIP NIPPLES	Part No.	Connection
Hose connection 	10 310 8003	8 mm (5/16")
	10 310 8004	10 mm (3/8")
Stream-Line connection 	10 310 8060	6.5 x 10 mm
	10 310 8062	8 x 12 mm

NIPPLES	Part No.	Connection
Hose connection 	10 310 5001	5 mm (3/16")
	10 310 5002	6.3 mm (1/4")
	10 310 5003	8 mm (5/16")
	10 310 5004	10 mm (3/8")
	10 310 5005	13 mm (1/2")
Male thread 	10 310 5151	R 1/8"
	10 310 5152	R 1/4"
	10 310 5154	R 3/8"
	10 310 5252	G 1/4"
	10 310 5451	NPT 1/8"
	10 310 5452	NPT 1/4"
	10 310 5454	NPT 3/8"
	10 310 5455	NPT 1/2"
Female thread 	10 310 5201	G 1/8"
	10 310 5202	G 1/4"
	10 310 5204	G 3/8"
	10 310 5401	NPT 1/8"
	10 310 5402	NPT 1/4"
	10 310 5404	NPT 3/8"
Stream-Line connection 	10 310 5058	5 x 8 mm
	10 310 5060	6.5 x 10 mm
	10 310 5062	8 x 12 mm
	10 310 5063	9.5 x 13.5 mm
	10 310 5066	11 x 16 mm
CEJN-Lock hose connection 	10 310 5042	1/4"
	10 310 5044	3/8"
	10 310 5045	1/2"



Series 315 – Standard

ASIAN STANDARD

ASIA, ITALY, SOUTH AMERICA

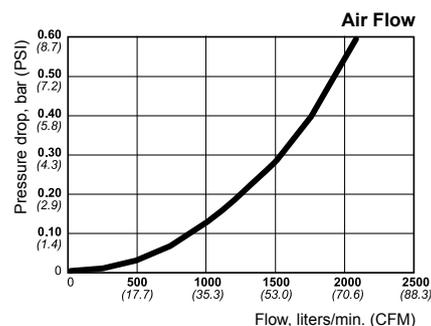
- **Extremely high flow capacity**
- **Low connection force**
- **One-hand operation**

Series 315 couplings are lightweight and easy to handle, yet strong and durable. The series includes a wide range of connections, as well as anti-hose whip nipples. Male threads on the couplings and nipples feature pre-applied thread sealant.

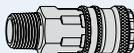


Technical Data

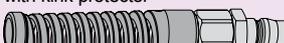
Nominal flow dia.....	7.5 mm (5/16")
Flow capacity.....	1950 l/min. (68.9 CFM)
Max. working pressure.....	16 bar (232 PSI)
Min. burst pressure.....	140 bar (2030 PSI)
Temperature range.....	-20°C to +100°C (-4°F to +212°F)
Coupling Material.....	Zinc-plated steel/brass
Nipple Material.....	Hardened zinc-plated steel
Connection force.....	73.5 N



 **This series includes safety products.**
For other safety products, see Page 67-74.

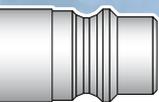
COUPLINGS	Part No.	Connection
	10 315 1002	6.3 mm (1/4")
	10 315 1043	7 mm (9/32")
	10 315 1004	10 mm (3/8")
	10 315 1005	13 mm (1/2")
	10 315 1152	R 1/4"
	10 315 1154	R 3/8"
	10 315 1155	R 1/2"
	10 315 1452	NPT 1/4"
	10 315 1454	NPT 3/8"
	10 315 1455	NPT 1/2"
	10 315 1102	Rc 1/4"
	10 315 1104	Rc 3/8"
	10 315 1105	Rc 1/2"
	10 315 1402	NPT 1/4"
	10 315 1404	NPT 3/8"
	10 315 1405	NPT 1/2"
	10 315 1058	5 x 8 mm
	10 315 1060	6.5 x 10 mm
	10 315 1062	8 x 12 mm
	10 315 1066	11 x 16 mm

NIPPLES	Part No.	Connection
	10 315 5001	5 mm (3/16")
	10 315 5002	6.3 mm (1/4")
	10 315 5043	7 mm (9/32")
	10 315 5004	10 mm (3/8")
	10 315 5005	13 mm (1/2")
	10 315 5151	R 1/8"
	10 315 5152	R 1/4"
	10 315 5154	R 3/8"
	10 315 5155	R 1/2"
	10 315 5452	NPT 1/4"
	10 315 5454	NPT 3/8"
	10 315 5455	NPT 1/2"

NIPPLES	Part No.	Connection
	10 315 5101	Rc 1/8"
	10 315 5102	Rc 1/4"
	10 315 5104	Rc 3/8"
	10 315 5105	Rc 1/2"
	10 315 5402	NPT 1/4"
	10 315 5404	NPT 3/8"
	10 315 5058	5 x 8 mm
	10 315 5060	6.5 x 10 mm
	10 315 5062	8 x 12 mm
	10 315 5085	6.5 x 10 mm
	10 315 5086	8 x 12 mm

ANTI-HOSE WHIP NIPPLES	Part No.	Connection
	10 315 8012	6.3 mm (1/4")
	10 315 8013	7 mm (9/32")
	10 315 8014	10 mm (3/8")
	10 315 8015	13 mm (1/2")
	10 315 8152	R 1/4"
	10 315 8154	R 3/8"
	10 315 8452	NPT 1/4"
	10 315 8102	Rc 1/4"
	10 315 8402	NPT 1/4"
	10 315 8068	5 x 8 mm
	10 315 8070	6.5 x 10 mm
	10 315 8072	8 x 12 mm
	10 315 8076	11 x 16 mm

Flow capacity is measured at 6 bar (87 PSI) inlet pressure, and pressure drop at 0.5 bar (7 PSI). Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.



Series 320 – Standard & Vented Safety

CEJN ORIGINAL STANDARD, EUROSTANDARD 7.6 (7.4)
GLOBAL

- **Extremely high flow capacity**
- **Easy to connect**
- **Strong and durable**

Series 320 couplings feature the original high-flow valve design upon which all other CEJN pneumatic couplings are based. Their popularity has made Series 320 a European standard. The series is easy-to-handle and one-hand operated and offers long service life. Male threads on the couplings and nipples feature pre-applied thread sealant. Lightweight aluminum styles are also available (also see the Aluminum Couplings section of this catalog).

The Series 320 vented safety version is disconnected in two stages in order to vent the coupling and minimize the risk of sudden component separation, which has the potential to cause operator injury. Full automatic operation ensures easy handling. The vented safety version complies with ISO Standard 4414 and EN 983.

Refer to the CEJN Fluid Products Catalog for specialized versions of Series 320 with brass nipples (Series 321), high-pressure straight-through design (Series 322), two-way shutoff (Series 324), and stainless steel construction (Series 326).



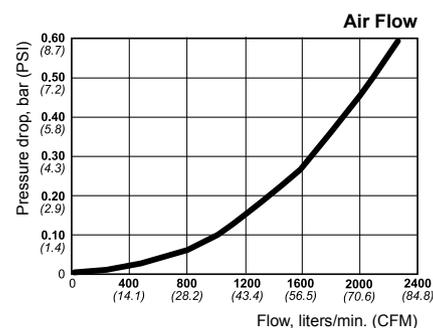
This series includes safety products.
For other safety products, see Page 67-74.



STANDARD

Technical Data

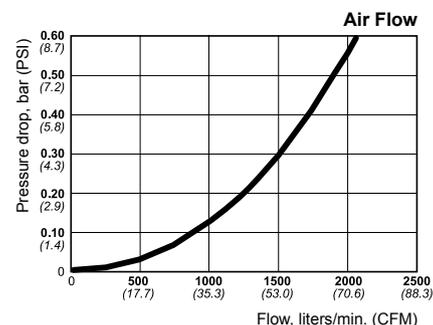
Nominal flow dia.....	7.6 mm (5/16")
Flow capacity.....	2100 l/min. (74.2 CFM)
Max. working pressure.....	16 bar (232 PSI)
Min. burst pressure.....	140 bar (2030 PSI)
Temperature range.....	-20°C to +100°C (-4°F to +212°F)
Coupling Material.....	Zinc-plated steel/brass
Nipple Material.....	Hardened zinc-plated steel
Connection force.....	70.7 N



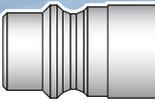
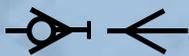
VENTED SAFETY

Technical Data

Nominal flow dia.....	7.6 mm (5/16")
Flow capacity.....	1900 l/min. (67.1 CFM)
Max. working pressure.....	12 bar (174 PSI)
Min. burst pressure.....	48 bar (696 PSI)
Temperature range.....	-20°C to +80°C (-4°F to +176°F)
Coupling Material.....	Zinc-plated steel/brass
Connection force.....	64.0 N



Flow capacity is measured at 6 bar (87 PSI) inlet pressure, and pressure drop at 0.5 bar (7 PSI). Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.

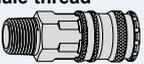
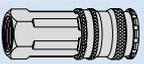
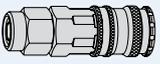
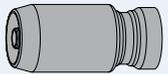


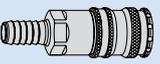
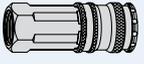
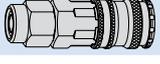
Series 320 – Standard & Vented Safety

CEJN ORIGINAL STANDARD, EUROSTANDARD 7.6 (7.4)

This series includes safety products.
For other safety products, see Page 67-74.

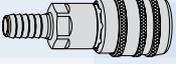
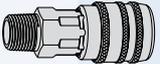
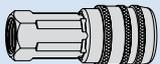
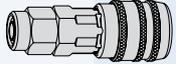


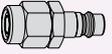
COUPLINGS	Part No.	Connection																		
Hose connection 	10 320 1002	6.3 mm (1/4")																		
	10 320 1003	8 mm (5/16")																		
	10 320 1009	9 mm																		
	10 320 1004	10 mm (3/8")																		
	10 320 1005	13 mm (1/2")																		
Male thread 	10 320 1152	R 1/4"																		
	10 320 1154	R 3/8"																		
	10 320 1155	R 1/2"																		
	10 320 1452	NPT 1/4"																		
	10 320 1454	NPT 3/8"																		
	10 320 1455	NPT 1/2"																		
Female thread 	10 320 1202	G 1/4"																		
	10 320 1204	G 3/8"																		
	10 320 1205	G 1/2"																		
	10 320 1402	NPT 1/4"																		
	10 320 1404	NPT 3/8"																		
	10 320 1405	NPT 1/2"																		
Stream-Line connection 	10 320 1058	5 x 8 mm																		
	10 320 1060	6.5 x 10 mm																		
	10 320 1062	8 x 12 mm																		
	10 320 1063	9.5 x 13.5 mm																		
	10 320 1066	11 x 16 mm																		
CEJN-Lock hose connection 	10 320 1032	1/4"																		
	10 320 1034	3/8"																		
	10 320 1035	1/2"																		
Soft-Line (Page 26) <table border="0" style="display: inline-table; vertical-align: middle;"> <tr> <td>Hose connection</td> <td>10 320 1086</td> <td>10 mm (3/8")</td> </tr> <tr> <td>Stream-Line connection</td> <td>10 320 1087</td> <td>13 mm (1/2")</td> </tr> <tr> <td></td> <td>10 320 1089</td> <td>6.5 x 10 mm</td> </tr> <tr> <td></td> <td>10 320 1090</td> <td>8 x 12 mm</td> </tr> <tr> <td>Female thread</td> <td>10 320 1246</td> <td>G 1/4"</td> </tr> <tr> <td></td> <td>10 320 1247</td> <td>G 3/8"</td> </tr> </table> 	Hose connection	10 320 1086	10 mm (3/8")	Stream-Line connection	10 320 1087	13 mm (1/2")		10 320 1089	6.5 x 10 mm		10 320 1090	8 x 12 mm	Female thread	10 320 1246	G 1/4"		10 320 1247	G 3/8"		
	Hose connection	10 320 1086	10 mm (3/8")																	
	Stream-Line connection	10 320 1087	13 mm (1/2")																	
		10 320 1089	6.5 x 10 mm																	
		10 320 1090	8 x 12 mm																	
Female thread	10 320 1246	G 1/4"																		
	10 320 1247	G 3/8"																		

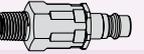
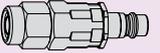
ALUMINUM COUPLINGS (Page 28)	Part No.	Connection
Hose connection 	10 320 1932	6.3 mm (1/4")
	10 320 1934	10 mm (3/8")
	10 320 1935	13 mm (1/2")
Female thread 	10 320 1942	G 1/4"
	10 320 1972	NPT 1/4"
	10 320 1974	NPT 3/8"
Stream-Line Connection 	10 320 1960	6.5 x 10 mm
	10 320 1962	8 x 12 mm

MULTI-LINK (Page 30)	Part No.	Connection
Center module	19 902 1080	
Outlet module	19 902 2080	G 1/2"
	19 902 2085	NPT 1/2"
Center module, Vented Safety	19 902 1081	
Outlet module, Vented Safety	19 902 2081	G 1/2"
	19 902 2086	NPT 1/2"



VENTED SAFETY COUPLINGS	Part No.	Connection						
Hose connection 	10 320 3002	6.3 mm (1/4")						
	10 320 3003	8 mm (5/16")						
	10 320 3004	10 mm (3/8")						
	10 320 3005	13 mm (1/2")						
Male thread 	10 320 3152	R 1/4"						
	10 320 3154	R 3/8"						
	10 320 3155	R 1/2"						
	10 320 3452	NPT 1/4"						
	10 320 3454	NPT 3/8"						
	10 320 3455	NPT 1/2"						
Female thread 	10 320 3202	G 1/4"						
	10 320 3204	G 3/8"						
	10 320 3205	G 1/2"						
	10 320 3402	NPT 1/4"						
	10 320 3404	NPT 3/8"						
	10 320 3405	NPT 1/2"						
Stream-Line connection 	10 320 3060	6.5 x 10 mm						
	10 320 3062	8 x 12 mm						
	10 320 3063	9.5 x 13.5 mm						
	10 320 3066	11 x 16 mm						
Soft-Line (Page 26) <table border="0" style="display: inline-table; vertical-align: middle;"> <tr> <td>Stream-Line connection</td> <td>10 320 3080</td> <td>6.5 x 10 mm</td> </tr> <tr> <td></td> <td>10 320 3082</td> <td>8 x 12 mm</td> </tr> </table> 	Stream-Line connection	10 320 3080	6.5 x 10 mm		10 320 3082	8 x 12 mm		
	Stream-Line connection	10 320 3080	6.5 x 10 mm					
	10 320 3082	8 x 12 mm						

NIPPLES	Part No.	Connection
Hose connection 	10 320 5001	5 mm (3/16")
	10 320 5002	6.3 mm (1/4")
	10 320 5003	8 mm (5/16")
	10 320 5004	10 mm (3/8")
	10 320 5005	13 mm (1/2")
Male thread 	10 320 5151	R 1/8"
	10 320 5152	R 1/4"
	10 320 5154	R 3/8"
	10 320 5155	R 1/2"
	10 320 5263	G 1/4"
	10 320 5264	G 3/8"
	10 320 5265	G 1/2"
	10 320 5451	NPT 1/8"
	10 320 5452	NPT 1/4"
	10 320 5454	NPT 3/8"
	10 320 5455	NPT 1/2"
Female thread 	10 320 5201	G 1/8"
	10 320 5202	G 1/4"
	10 320 5204	G 3/8"
	10 320 5205	G 1/2"
	10 320 5401	NPT 1/8"
	10 320 5402	NPT 1/4"
	10 320 5404	NPT 3/8"
	10 320 5405	NPT 1/2"
Stream-Line connection 	10 320 5058	5 x 8 mm
	10 320 5060	6.5 x 10 mm
	10 320 5062	8 x 12 mm
	10 320 5063	9.5 x 13.5 mm
	10 320 5066	11 x 16 mm
CEJN-Lock hose connection 	10 320 5032	1/4"
	10 320 5034	3/8"
	10 320 5035	1/2"

ANTI-HOSE WHIP NIPPLES	Part No.	Connection
Hose connection 	10 320 8002	6.3 mm (1/4")
	10 320 8003	8 mm (5/16")
	10 320 8004	10 mm (3/8")
	10 320 8005	13 mm (1/2")
Male thread 	10 320 8152	R 1/4"
Stream-Line connection 	10 320 8060	6.5 x 10 mm
	10 320 8062	8 x 12 mm
	10 320 8063	9.5 x 13.5 mm
	10 320 8066	11 x 16 mm

Flow capacity is measured at 6 bar (87 PSI) inlet pressure, and pressure drop at 0.5 bar (7 PSI). Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.



Series 342 – Safety Lock

CEJN ORIGINAL STANDARD

GLOBAL

- **Automatic safety-locking feature**
- **Extremely high flow capacity**
- **One-hand operation**

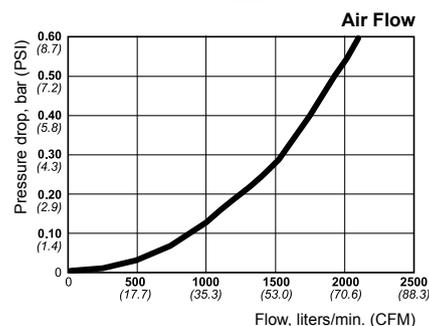
Series 342 couplings withstand extremely rough handling in extra tough applications. The series features a zinc-plated steel/brass construction with a locking sleeve made of hardened zinc-plated steel. The series offers a wide range of connections, as well as anti-hose whip nipples. The automatic safety-locking feature prevents unintentional disconnection.

For an all-brass version (Series 341), see the CEJN Breathing Air Products Catalog.



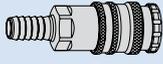
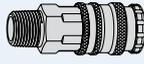
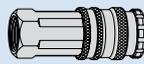
Technical Data

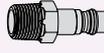
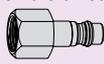
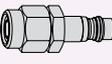
Nominal flow dia.....	7.4 mm (9/32")
Flow capacity.....	1950 l/min. (68.9 CFM)
Max. working pressure.....	35 bar (508 PSI)
Min. burst pressure.....	140 bar (2030 PSI)
Temperature range.....	-30°C to +100°C (-22°F to +212°F)
Coupling Material.....	Zinc-plated steel/brass
Nipple Material.....	Hardened zinc-plated steel
Connection force.....	103.0 N

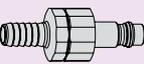


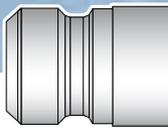
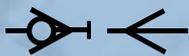
This series includes safety products.

For other safety products, see Page 67-74.

COUPLINGS	Part No.	Connection
 Hose connection	10 342 1002	6.3 mm (1/4")
	10 342 1003	8 mm (5/16")
	10 342 1004	10 mm (3/8")
	10 342 1005	13 mm (1/2")
 Male thread	10 342 1152	R 1/4"
	10 342 1154	R 3/8"
	10 342 1155	R 1/2"
	10 342 1452	NPT 1/4"
	10 342 1454	NPT 3/8"
	10 342 1455	NPT 1/2"
 Female thread	10 342 1202	G 1/4"
	10 342 1204	G 3/8"
	10 342 1205	G 1/2"
	10 342 1402	NPT 1/4"
	10 342 1404	NPT 3/8"
 Stream-Line	10 342 1060	6.5 x 10 mm
	10 342 1062	8 x 12 mm

NIPPLES	Part No.	Connection
 Hose connection	10 342 5002	6.3 mm (1/4")
	10 342 5004	10 mm (3/8")
	10 342 5005	13 mm (1/2")
 Male thread	10 342 5152	R 1/4"
	10 342 5154	R 3/8"
	10 342 5155	R 1/2"
	10 342 5452	NPT 1/4"
	10 342 5454	NPT 3/8"
	10 342 5455	NPT 1/2"
 Female thread	10 342 5202	G 1/4"
	10 342 5204	G 3/8"
	10 342 5205	G 1/2"
	10 342 5402	NPT 1/4"
	10 342 5404	NPT 3/8"
 Stream-Line	10 342 5060	6.5 x 10 mm
	10 342 5062	8 x 12 mm

ANTI-HOSE WHIP NIPPLES	Part No.	Connection
 Hose connection	10 342 8004	10 mm (3/8")
	10 342 8005	13 mm (1/2")



Series 408 – Standard

FINLAND, SWEDEN

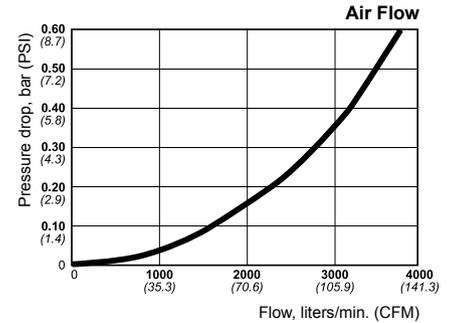
- Strong and durable
- One-hand operation
- Low connection force

Series 408 couplings offer high flow capacity. They have higher resistance to vibrations than competitive couplings. The series is suitable for vacuum service. A wide range of connections is available, as well as anti-hose whip nipples.

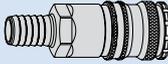
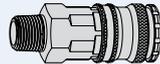
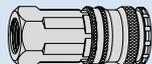
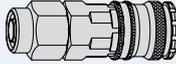


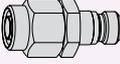
Technical Data

- Nominal flow dia..... 9.5 mm (3/8")
- Flow capacity..... 3450 l/min. (121.8 CFM)
- Max. working pressure 16 bar (232 PSI)
- Min. burst pressure 140 bar (2030 PSI)
- Temperature range -20°C to +100°C (-4°F to +212°F)
- Coupling Material Zinc-plated steel/brass
- Nipple Material..... Hardened zinc-plated steel
- Connection force..... 160.0 N



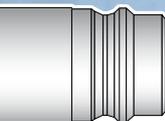
 This series includes safety products. For other safety products, see Page 67-74.

COUPLINGS	Part No.	Connection
Hose connection 	10 408 1003	8 mm (5/16")
	10 408 1004	10 mm (3/8")
	10 408 1005	13 mm (1/2")
	10 408 1006	16 mm (5/8")
	10 408 1007	19 mm (3/4")
Male thread 	10 408 1154	R 3/8"
	10 408 1155	R 1/2"
	10 408 1157	R 3/4"
Female thread 	10 408 1204	G 3/8"
	10 408 1205	G 1/2"
	10 408 1207	G 3/4"
Stream-Line connection 	10 408 1066	11 x 16 mm

NIPPLES	Part No.	Connection
Hose connection 	10 408 5002	6.3 mm (1/4")
	10 408 5003	8 mm (5/16")
	10 408 5004	10 mm (3/8")
	10 408 5005	13 mm (1/2")
	10 408 5006	16 mm (5/8")
	10 408 5007	19 mm (3/4")
	Male thread 	10 408 5152
10 408 5154		R 3/8"
10 408 5155		R 1/2"
10 408 5157		R 3/4"
Female thread 	10 408 5202	G 1/4"
	10 408 5204	G 3/8"
	10 408 5205	G 1/2"
	10 408 5207	G 3/4"
Stream-Line connection 	10 408 5066	11 x 16 mm

ANTI-HOSE WHIP NIPPLES	Part No.	Connection
Hose connection 	10 408 8004	10 mm (3/8")
	10 408 8005	13 mm (1/2")
	10 408 8006	16 mm (5/8")
	10 408 8007	19 mm (3/4")

Flow capacity is measured at 6 bar (87 PSI) inlet pressure, and pressure drop at 0.5 bar (7 PSI). Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.



Series 410 – Standard & Vented Safety

CEJN ORIGINAL STANDARD, EUROSTANDARD 10.4
GLOBAL

Couplings

20

- **Extremely high flow capacity**
- **Full automatic operation**
- **Strong and durable**

Series 410 couplings are an original CEJN design that has become a European standard. The series is one-hand operated and offers long service life. A wide range of connections is available, as well as anti-hose whip nipples.

The Series 410 vented safety version is disconnected in two stages in order to vent the coupling and minimize the risk of sudden component separation, which has the potential to cause operator injury. Full automatic operation ensures easy handling. The vented safety version complies with ISO Standard 4414 and EN 983 and has a steel front part as standard.

Refer to the CEJN Fluid Products Catalog for specialized versions of Series 410 with brass nipples (Series 411), high-pressure straight-through design (Series 412), two-way shutoff (Series 414), and stainless steel construction (Series 416).



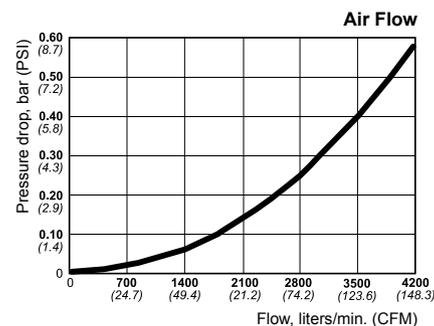
This series includes safety products.
For other safety products, see Page 67-74.



STANDARD

Technical Data

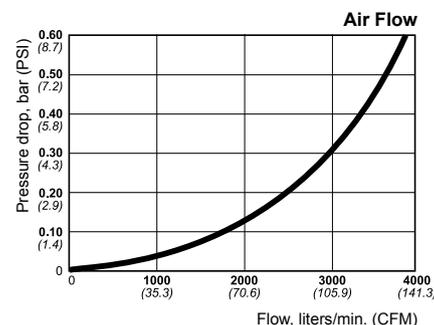
Nominal flow dia.....	10.4 mm (13/32")
Flow capacity.....	3900 l/min. (137.7 CFM)
Max. working pressure.....	16 bar (232 PSI)
Min. burst pressure.....	140 bar (2030 PSI)
Temperature range.....	-20°C to +100°C (-4°F to +212°F)
Coupling Material.....	Zinc-plated steel/brass
Nipple Material.....	Hardened zinc-plated steel
Connection force.....	105.2 N



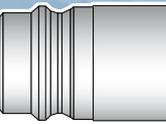
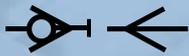
VENTED SAFETY

Technical Data

Nominal flow dia.....	10.4 mm (13/32")
Flow capacity.....	3700 l/min. (130.7 CFM)
Max. working pressure.....	16 bar (232 PSI)
Min. burst pressure.....	140 bar (2030 PSI)
Temperature range.....	-20°C to +80°C (-4°F to +176°F)
Coupling Material.....	Zinc-plated steel/brass
Connection force.....	145.0 N



Flow capacity is measured at 6 bar (87 PSI) inlet pressure, and pressure drop at 0.5 bar (7 PSI). Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.

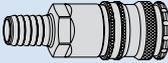
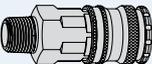
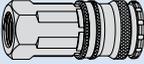
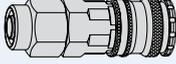


Series 410 – Standard & Vented Safety

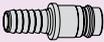
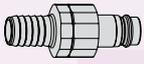
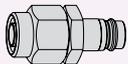
CEJN ORIGINAL STANDARD, EUROSTANDARD 10.4

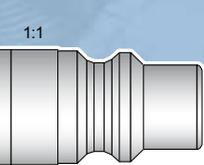
This series includes safety products.
For other safety products, see Page 67-74.



COUPLINGS	Part No.	Connection	VENTED SAFETY COUPLINGS	Part No.	Connection
Hose connection 	10 410 1003 10 410 1004 10 410 1005 10 410 1006 10 410 1007	8 mm (5/16") 10 mm (3/8") 13 mm (1/2") 16 mm (5/8") 19 mm (3/4")	Hose connection 	10 410 3005 10 410 3006 10 410 3007	13 mm (1/2") 16 mm (5/8") 19 mm (3/4")
Male thread 	10 410 1154 10 410 1155 10 410 1157 10 410 1454 10 410 1455 10 410 1457	R 3/8" R 1/2" R 3/4" NPT 3/8" NPT 1/2" NPT 3/4"	Male thread 	10 410 3155 10 410 3157	R 1/2" R 3/4"
Female thread 	10 410 1204 10 410 1205 10 410 1207 10 410 1404 10 410 1405 10 410 1407	G 3/8" G 1/2" G 3/4" NPT 3/8" NPT 1/2" NPT 3/4"	Female thread 	10 410 3204 10 410 3205	G 3/8" G 1/2"
Stream-Line connection 	10 410 1066	11 x 16 mm	Stream-Line connection 	10 410 3066	11 x 16 mm



NIPPLES	Part No.	Connection	ANTI-HOSE WHIP NIPPLES	Part No.	Connection
Hose connection 	10 410 5002 10 410 5003 10 410 5004 10 410 5005 10 410 5006 10 410 5007	6.3 mm (1/4") 8 mm (5/16") 10 mm (3/8") 13 mm (1/2") 16 mm (5/8") 19 mm (3/4")	Hose connection 	10 410 8004 10 410 8005 10 410 8006 10 410 8007	10 mm (3/8") 13 mm (1/2") 16 mm (5/8") 19 mm (3/4")
Male thread 	10 410 5152 10 410 5154 10 410 5155 10 410 5157 10 410 5454 10 410 5455 10 410 5457	R 1/4" R 3/8" R 1/2" R 3/4" NPT 3/8" NPT 1/2" NPT 3/4"			
Female thread 	10 410 5202 10 410 5204 10 410 5205 10 410 5207 10 410 5404 10 410 5405 10 410 5407	G 1/4" G 3/8" G 1/2" G 3/4" NPT 3/8" NPT 1/2" NPT 3/4"			
Stream-Line connection 	10 410 5066	11 x 16 mm			

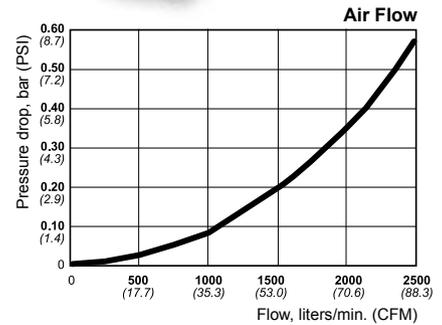


Series 430 – Standard

A-A 59439 (former U.S. Standard MIL C 4109 3/8”), ISO 6150 B
FRANCE, NORTH AMERICA, NORWAY

- **Small outside dimensions**
- **High flow capacity**
- **One-hand operation**

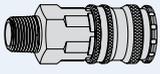
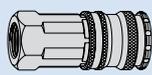
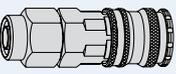
Series 430 couplings feature an easy-to-grip design and require only a low connection force. The series offers a wide range of connections, as well as anti-hose whip nipples. The couplings have smaller outside dimensions than comparable designs.

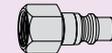


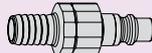
Technical Data

- Nominal flow dia..... 8.2 mm (5/16")
- Flow capacity..... 2350 l/min. (83.0 CFM)
- Max. working pressure 16 bar (232 PSI)
- Min. burst pressure 140 bar (2030 PSI)
- Temperature range -20°C to +100°C (-4°F to +212°F)
- Coupling Material Zinc-plated steel/brass
- Nipple Material..... Hardened zinc-plated steel
- Connection force..... 110.8 N

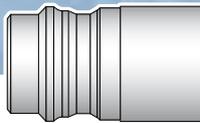
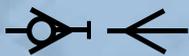
This series includes safety products.
For other safety products, see Page 67-74.

COUPLINGS	Part No.	Connection
 Hose connection	10 430 1003	8 mm (5/16")
	10 430 1004	10 mm (3/8")
	10 430 1005	13 mm (1/2")
	10 430 1006	16 mm (5/8")
	10 430 1007	19 mm (3/4")
 Male thread	10 430 1154	R 3/8"
	10 430 1155	R 1/2"
	10 430 1157	R 3/4"
	10 430 1454	NPT 3/8"
	10 430 1455	NPT 1/2"
 Female thread	10 430 1204	G 3/8"
	10 430 1205	G 1/2"
	10 430 1207	G 3/4"
	10 430 1404	NPT 3/8"
	10 430 1405	NPT 1/2"
 Stream-Line connection	10 430 1066	11 x 16 mm

NIPPLES	Part No.	Connection
 Hose connection	10 430 5002	6.3 mm (1/4")
	10 430 5003	8 mm (5/16")
	10 430 5004	10 mm (3/8")
	10 430 5005	13 mm (1/2")
	10 430 5006	16 mm (5/8")
	10 430 5007	19 mm (3/4")
	 Male thread	10 430 5152
10 430 5154		R 3/8"
10 430 5155		R 1/2"
10 430 5157		R 3/4"
10 430 5452		NPT 1/4"
10 430 5454		NPT 3/8"
10 430 5455		NPT 1/2"
 Female thread	10 430 5202	G 1/4"
	10 430 5204	G 3/8"
	10 430 5205	G 1/2"
	10 430 5207	G 3/4"
	10 430 5402	NPT 1/4"
	10 430 5404	NPT 3/8"
	10 430 5405	NPT 1/2"
 Stream-Line connection	10 430 5066	11 x 16 mm

ANTI-HOSE WHIP NIPPLES	Part No.	Connection
 Hose connection	10 430 8005	13 mm (1/2")
	10 430 8007	19 mm (3/4")

Flow capacity is measured at 6 bar (87 PSI) inlet pressure, and pressure drop at 0.5 bar (7 PSI). Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.



Series 442 – Safety Lock

CEJN ORIGINAL STANDARD

GLOBAL

- **Automatic safety-locking feature**
- **Extremely high flow capacity**
- **One-hand operation**

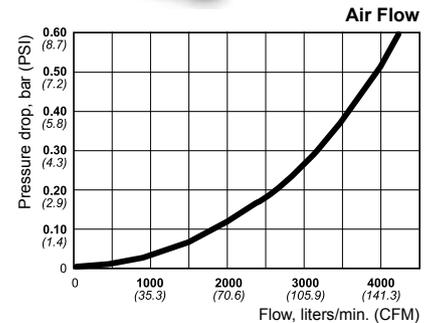
Series 442 couplings withstand extremely rough handling in extra tough applications. The series features a zinc-plated steel/brass construction with a locking sleeve made of hardened zinc-plated steel. The series offers a wide range of connections, as well as anti-hose whip nipples. The automatic safety-locking feature prevents unintentional disconnection.

For an all-brass version (Series 441), see the CEJN Breathing Air Products Catalog.

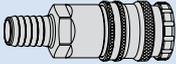
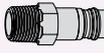
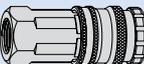
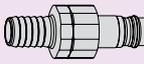


Technical Data

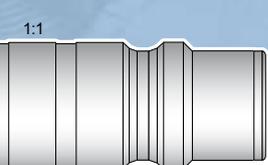
Nominal flow dia.....	10.4 mm (13/32")
Flow capacity.....	3950 l/min. (139.5 CFM)
Max. working pressure.....	35 bar (508 PSI)
Min. burst pressure.....	140 bar (2030 PSI)
Temperature range.....	-30°C to +100°C (-22°F to +212°F)
Coupling Material.....	Zinc-plated steel/brass
Nipple Material.....	Hardened zinc-plated steel
Connection force.....	169.6 N



 **This series includes safety products.**
For other safety products, see Page 67-74.

COUPLINGS	Part No.	Connection	NIPPLES	Part No.	Connection	
Hose connection 	10 442 1003	8 mm (5/16")	Hose connection 	10 442 5005	13 mm (1/2")	
	10 442 1004	10 mm (3/8")		10 442 5006	16 mm (5/8")	
	10 442 1005	13 mm (1/2")		10 442 5007	19 mm (3/4")	
	Male thread 	10 442 1006	16 mm (5/8")	Male thread 	10 442 5152	R 1/4"
		10 442 1007	19 mm (3/4")		10 442 5154	R 3/8"
10 442 1154		R 3/8"	10 442 5155		R 1/2"	
10 442 1155		R 1/2"	10 442 5157		R 3/4"	
10 442 1157		R 3/4"	10 442 5454		NPT 3/8"	
10 442 1454		NPT 3/8"	10 442 5455		NPT 1/2"	
Female thread 	10 442 1455	NPT 1/2"	Female thread 	10 442 5457	NPT 3/4"	
	10 442 1457	NPT 3/4"		10 442 5204	G 3/8"	
	10 442 1204	G 3/8"		10 442 5205	G 1/2"	
	10 442 1205	G 1/2"		10 442 5207	G 3/4"	
	10 442 1207	G 3/4"		10 442 5404	NPT 3/8"	
	10 442 1404	NPT 3/8"		10 442 5405	NPT 1/2"	
	10 442 1405	NPT 1/2"		10 442 5407	NPT 3/4"	
10 442 1407	NPT 3/4"					
			ANTI-HOSE WHIP NIPPLES	Part No.	Connection	
Hose connection 	10 442 8004	10 mm (3/8")	10 442 8004	10 mm (3/8")		
	10 442 8005	13 mm (1/2")	10 442 8005	13 mm (1/2")		
	10 442 8006	16 mm (5/8")	10 442 8006	16 mm (5/8")		
	10 442 8007	19 mm (3/4")	10 442 8007	19 mm (3/4")		

Flow capacity is measured at 6 bar (87 PSI) inlet pressure, and pressure drop at 0.5 bar (7 PSI). Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.



Series 550 – Standard & Vented Safety

A-A 59439 (former U.S. Standard MIL C 4109 1/2”), ISO 6150 B
FRANCE, NORTH AMERICA, NORWAY

- **Strong and durable**
- **Extremely easy to connect**
- **One-hand operation**

Series 550 couplings feature an easy-to-grip design and require only a low connection force. They are smaller and more compact and generate higher flows than comparable designs. Series 550 couplings have an extremely low noise level upon disconnection. The series includes anti-hose whip nipples.

The Series 550 vented safety version is disconnected in two stages in order to vent the coupling and minimize the risk of sudden component separation, which has the potential to cause operator injury. Its unique, balanced-valve design makes it extremely easy to connect, regardless of system pressure. The safety version is also ideal for multiple connection points, such as manifold applications in which low connection force is required. It complies with ISO Standard 4414 and EN 983.



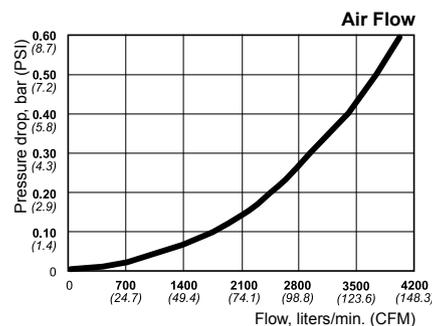
This series includes safety products.
For other safety products, see Page 67-74.



STANDARD

Technical Data

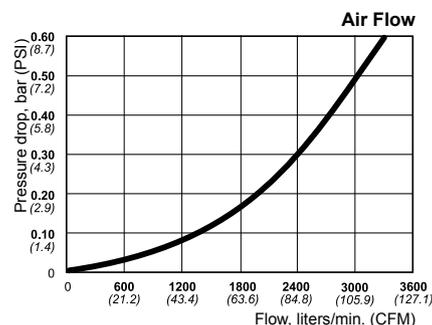
- Nominal flow dia..... 11 mm (7/16")
- Flow capacity..... 3750 l/min. (132.4 CFM)
- Max. working pressure 16 bar (232 PSI)
- Min. burst pressure 140 bar (2030 PSI)
- Temperature range -20°C to +100°C (-4°F to +212°F)
- Coupling Material Zinc-plated steel/brass
- Nipple Material Hardened zinc-plated steel
- Connection force 145.0 N



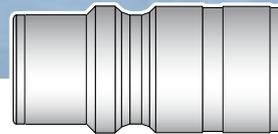
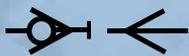
VENTED SAFETY

Technical Data

- Nominal flow dia..... 11 mm (7/16")
- Flow capacity..... 3000 l/min. (106.0 CFM)
- Max. working pressure 16 bar (232 PSI)
- Min. burst pressure 64 bar (928 PSI)
- Temperature range -20°C to +80°C (-4°F to +176°F)
- Coupling Material Zinc-plated steel/brass
- Connection force 68.6 N



Flow capacity is measured at 6 bar (87 PSI) inlet pressure, and pressure drop at 0.5 bar (7 PSI). Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.



Series 550 – Standard & Vented Safety

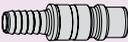
A-A 59439 (former U.S. Standard MIL C 4109 1/2"), ISO 6150 B

This series includes safety products.
For other safety products, see Page 67-74.



COUPLINGS	Part No.	Connection
Hose connection 	10 550 1004	10 mm (3/8")
	10 550 1005	13 mm (1/2")
	10 550 1007	19 mm (3/4")
Male thread 	10 550 1154	R 3/8"
	10 550 1155	R 1/2"
	10 550 1157	R 3/4"
	10 550 1454	NPT 3/8"
	10 550 1455	NPT 1/2"
Female thread 	10 550 1457	NPT 3/4"
	10 550 1204	G 3/8"
	10 550 1205	G 1/2"
	10 550 1207	G 3/4"
	10 550 1404	NPT 3/8"
	10 550 1405	NPT 1/2"
	10 550 1407	NPT 3/4"

VENTED SAFETY COUPLINGS	Part No.	Connection
Male thread 	10 550 3155	R 1/2"
	10 550 3157	R 3/4"
	10 550 3454	NPT 3/8"
	10 550 3455	NPT 1/2"
	10 550 3457	NPT 3/4"
Female thread 	10 550 3205	G 1/2"
	10 550 3207	G 3/4"
	10 550 3404	NPT 3/8"
	10 550 3405	NPT 1/2"
	10 550 3407	NPT 3/4"

NIPPLES	Part No.	Connection
Hose connection 	10 550 5004	10 mm (3/8")
	10 550 5005	13 mm (1/2")
	10 550 5007	19 mm (3/4")
Male thread 	10 550 5152	R 1/4"
	10 550 5154	R 3/8"
	10 550 5155	R 1/2"
	10 550 5157	R 3/4"
	10 550 5452	NPT 1/4"
	10 550 5454	NPT 3/8"
	10 550 5455	NPT 1/2"
	10 550 5457	NPT 3/4"
Female thread 	10 550 5204	G 3/8"
	10 550 5205	G 1/2"
	10 550 5404	NPT 3/8"
	10 550 5405	NPT 1/2"
	10 550 5407	NPT 3/4"

ANTI-HOSE WHIP NIPPLES	Part No.	Connection
Hose connection 	10 550 8005	13 mm (1/2")
	10 550 8007	19 mm (3/4")

Flow capacity is measured at 6 bar (87 PSI) inlet pressure, and pressure drop at 0.5 bar (7 PSI). Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.

Soft-Line Couplings



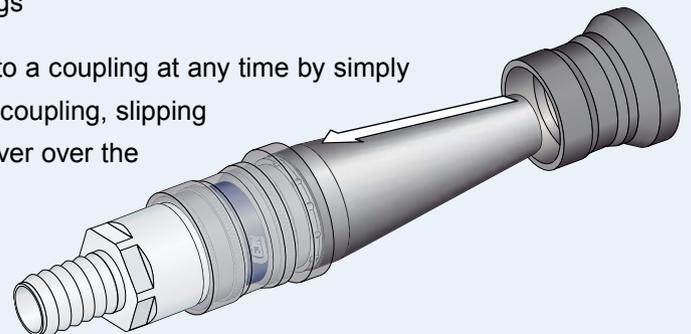
Soft-Line Coupling Covers Provide Application Protection

CEJN Soft-Line “softens” the edges of quick connect couplings, making them non-abrasive and less likely to cause damage to surrounding components and surfaces. They also protect couplings from impact, prolonging the service life of the couplings.

Soft-Line covers are available in two styles:

- **Integrated** – Permanently attached to couplings during the manufacturing process
- **Accessory** – Designed to be added onto couplings

The accessory-style cover can be attached easily to a coupling at any time by simply placing the assembly tool over the front end of the coupling, slipping the cover on the assembly tool, and moving the cover over the assembly tool and onto the coupling.



Accessory style



Integrated vented safety style with additional kink protector



Integrated standard style





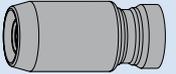
Soft-Line Couplings

INTEGRATED

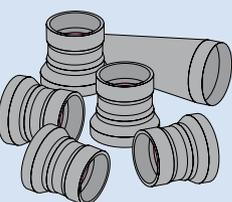
This series includes safety products.
For other safety products, see Page 67-74.



SERIES 300 (Page 10)	Part No.	Connection
Stream-Line, Vented Safety 	10 300 3080	6.5 x 10 mm
	10 300 3082	8 x 12 mm

SERIES 310 (Page 13)	Part No.	Connection
Stream-Line 	10 310 1083	6.5 x 10 mm
	10 310 1084	8 x 12 mm
Female thread 	10 310 1240	G 1/4"
	10 310 1241	G 3/8"
	10 310 1446	NPT 1/4"
	10 310 1447	NPT 3/8"
Stream-Line, Vented Safety 	10 310 3080	6.5 x 10 mm
	10 310 3082	8 x 12 mm
Female thread, Vented Safety 	10 310 3234	G 3/8"

SERIES 320 (Page 16)	Part No.	Connection
Hose connection 	10 320 1086	10 mm (3/8")
	10 320 1087	13 mm (1/2")
Stream-Line 	10 320 1089	6.5 x 10 mm
	10 320 1090	8 x 12 mm
Female thread 	10 320 1246	G 1/4"
	10 320 1247	G 3/8"
Stream-Line, Vented Safety 	10 320 3080	6.5 x 10 mm
	10 320 3082	8 x 12 mm
	10 320 3085	11 x 16 mm
Hose connection, Vented Safety 	10 320 3086	10 mm (3/8")
	10 320 3087	13 mm (1/2")
Female thread, Vented Safety 	10 320 3234	G 3/8"

ACCESSORIES	Hose Connection	Part No.
Accessory Covers 		19 900 7000
Accessory-style covers are available in packages of 10, including an assembly tool and assembly instructions. They are compatible with all standard Series 300, 303, 310, 315, 320, and 342 couplings.		
Assembly tool 		19 900 7050
Kink protectors 	6.5 x 10.0	10 300 4010
	8.0 x 12.0	10 300 4012
Kink protectors can be used on all Stream-Line connections with the corresponding hose size. Kink protectors are sold separately and can be replaced during use with the cap nut on the Stream-Line connection.		

Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.



Aluminum Couplings

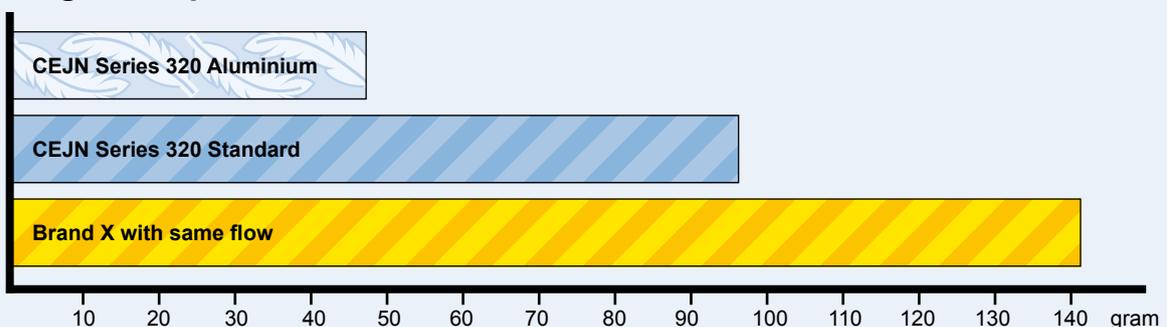
When Lightweight and Quality Are the Heaviest Factors

Small or lightweight pneumatic tools call for couplings with the same characteristics. Standard brass couplings can weigh down otherwise lightweight tools. CEJN Series 320 aluminum couplings keep these tool assemblies as they are intended to be – light in weight.

Series 320 aluminum couplings are based on the proven success of CEJN's popular Series 320 brass couplings. They offer the same high-flow capacity and 16-bar (232-PSI) maximum pressure rating as standard Series 320 couplings, at only half the weight.

CEJN aluminum couplings weigh 50% less than standard CEJN Series 320 couplings, and up to 70% less than other traditional couplings on the market.

Weight Comparison



High-performing Aluminum

Even though it's a lightweight material, aluminum is not light duty in terms of performance. Aluminum is approximately 68% lower in weight than brass, yet offers durability and long service life.

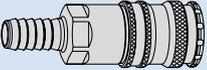
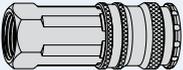
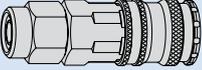
And since aluminum is a non-ferrous material, Series 320 aluminum couplings offer low magnetic interference and will not generate sparks.

Ergonomically Correct

Smaller and lower weight pneumatic tools are gaining increasing popularity as a means to prevent operator injuries and fatigue. They also are being used to increase the comfort level of operators when they are working in awkward positions or performing repetitive tasks. Series 320 aluminum couplings only marginally increase the total working weight of pneumatic tools.

Aluminum Couplings

GLOBAL

SERIES 320 (Page 16)	Part No.	Connection
Hose connection 	10 320 1932 10 320 1934 10 320 1935	6.3 mm (1/4") 10 mm (3/8") 13 mm (1/2")
Female thread 	10 320 1942 10 320 1972 10 320 1974	G 1/4" NPT 1/4" NPT 3/8"
Stream-Line connection 	10 320 1960 10 320 1962	6.5 x 10 mm 8 x 12 mm

Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.



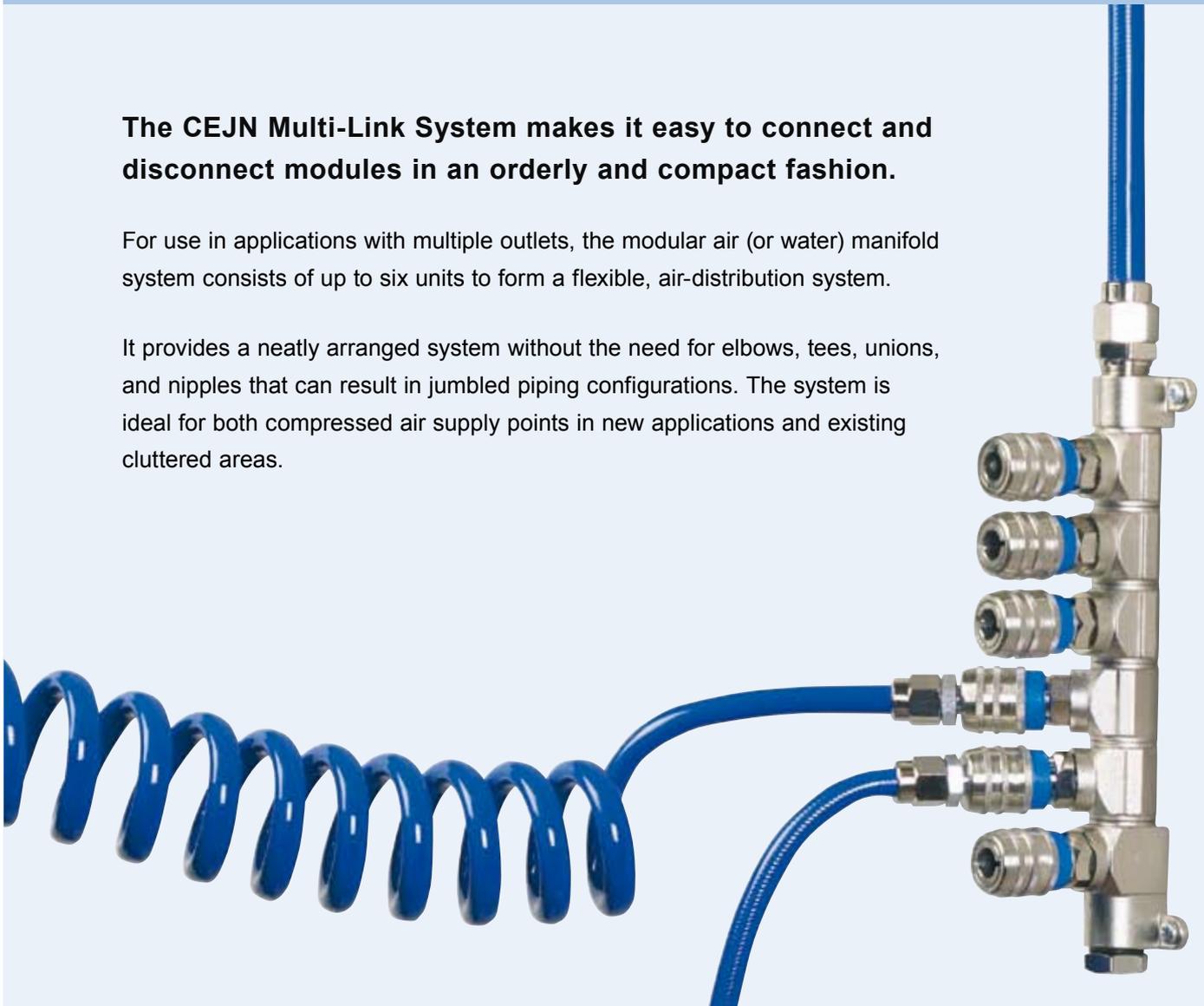
Multi-Link System

Flexible Multiple Outlet System Saves Time and Space

The CEJN Multi-Link System makes it easy to connect and disconnect modules in an orderly and compact fashion.

For use in applications with multiple outlets, the modular air (or water) manifold system consists of up to six units to form a flexible, air-distribution system.

It provides a neatly arranged system without the need for elbows, tees, unions, and nipples that can result in jumbled piping configurations. The system is ideal for both compressed air supply points in new applications and existing cluttered areas.



CEJN's Multi-Link System offers multiple connection alternatives and advantages:

Versatile – The Multi-Link System offers almost endless combination possibilities.

Modules are offered with:

- Eurostandard 7.6 couplings, standard and vented safety
- A-A 59439 (former U.S. Standard MIL C 4109 1/4"), ISO 6150 B couplings, standard and vented safety
- ARO 210 Interchange couplings, standard and vented safety
- Threaded connections for an endless array of connection possibilities

The Multi-Link System can be supplied with compressed air or water from either end. With the use of an optional stop valve, two different pressures (or media) can be supplied to the same manifold. For each manifold or complete assembly of modules, both an inlet module and an outlet module must be used.

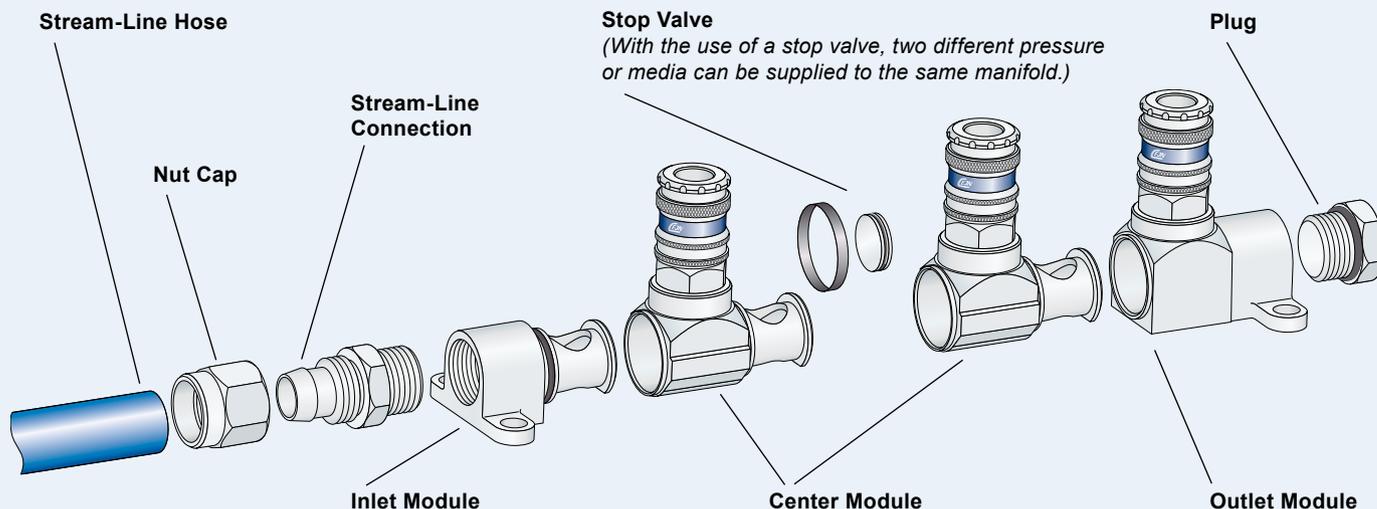
Energy saving – The system is sealed with nitrile O-rings to prevent leaks between modules. The capability of the modules to be positioned at different angles helps decrease the likelihood of kinked hose and helps ensure the unobstructed flow of air.

Space saving – Its ability to conserve space adds to the usefulness of the Multi-Link System. Even with the maximum number of modules in use (no more than six are recommended), the system is only 23 centimeters in length. An assembly with the same number of distribution points using standard iron elbows, nipples, and tees is approximately 60 centimeters long.

Easy to maintain – Adding or changing a module is quick and easy by simply:

- Unbolting the existing modules
- Twisting the modules 180° and pulling them apart
- Inserting the new module, twisting it 180°, and bolting it down

Economical – The system's built-in couplings, combined with assembly and installation time that requires only minutes – not hours – make the Multi-Link system an economical air-distribution method.





Multi-Link Couplings

GLOBAL

 **This series includes safety products.**
For other safety products, see Page 67-74.

Technical Data

Max. working pressure 10 bar (145 PSI)
Temperature range -30°C to +100°C (-22°F to +212°F)
Material Nickel-plated brass

SERIES 300 (Page 10)	Part No.	Connection
Center module, Vented Safety 	19 902 1061	
Outlet module, Vented Safety 	19 902 2061 19 902 2066	G 1/2" NPT 1/2"

SERIES 310 (Page 13)	Part No.	Connection
Center module 	19 902 1070	
Outlet module 	19 902 2070 19 902 2075	G 1/2" NPT 1/2"
Center module, Vented Safety 	19 902 1071	
Outlet module, Vented Safety 	19 902 2071 19 902 2076	G 1/2" NPT 1/2"

SERIES 320 (Page 16)	Part No.	Connection
Center module 	19 902 1080	
Outlet module 	19 902 2080 19 902 2085	G 1/2" NPT 1/2"
Center module, Vented Safety 	19 902 1081	
Outlet module, Vented Safety 	19 902 2081 19 902 2086	G 1/2" NPT 1/2"

MODULES & ACCESSORIES	Hose Connection	Part No.
Center module, female thread 	19 902 1025 19 902 1045	G 1/2" NPT 1/2"
Outlet module, female thread 	19 902 2025 19 902 2045	G 1/2" NPT 1/2"
Inlet module 	19 902 0025 19 902 0045	G 1/2" NPT 1/2"
Stop valve 	19 902 3000	
Plug with O-ring 	19 900 4335 19 900 4345	G 1/2" NPT 1/2"
Stream-Line connection 11 x 16 mm 	19 958 1615 19 958 1645	R 1/2" NPT 1/2"
Stream-Line hose 11 x 16 mm, 100 m roll 	19 958 1600	

Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.

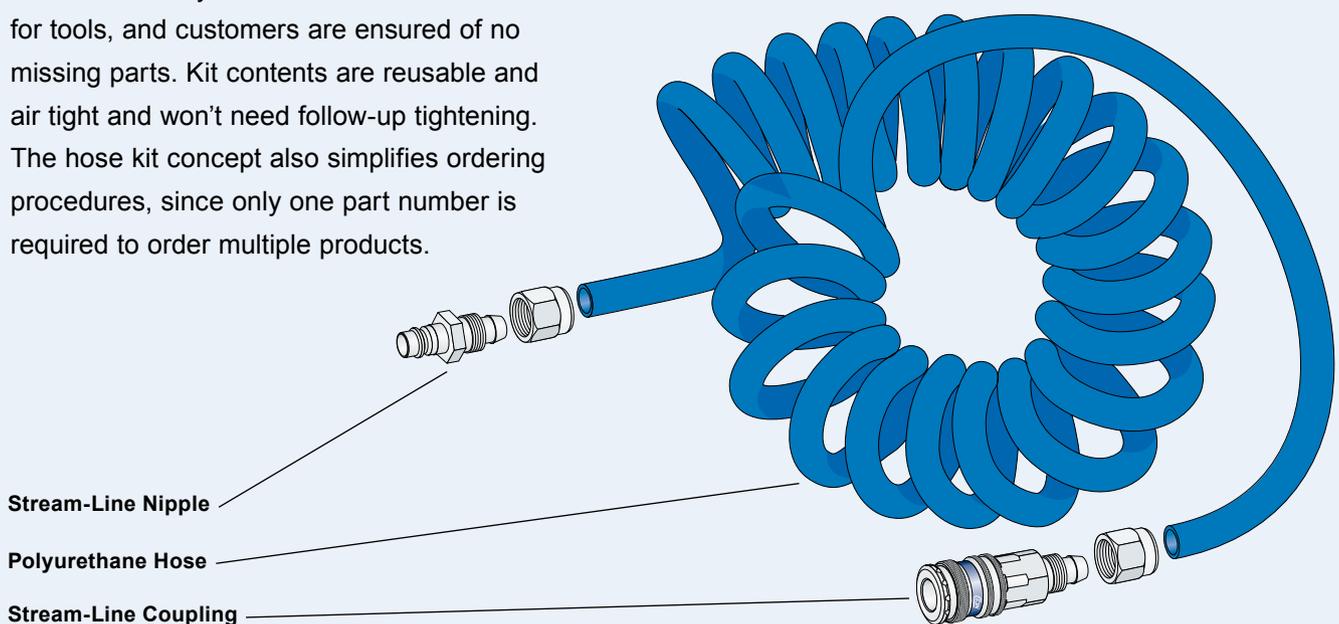


Pre-assembled Hose and Coupling Combinations for Immediate Use

CEJN hose kits provide an easy, convenient means of obtaining just the right hose and coupling combinations for pneumatic applications.

Each kit contains a CEJN polyurethane hose style, Stream-Line couplings, nipples, and swivels that provide reusable, leak-free hose connections.

Each kit is ready for immediate use without the need for tools, and customers are ensured of no missing parts. Kit contents are reusable and air tight and won't need follow-up tightening. The hose kit concept also simplifies ordering procedures, since only one part number is required to order multiple products.





PUR Hose Kits – with Series 300

ARO 210 STANDARD

BENELUX, NORTH AMERICA, SWITZERLAND

Technical Data

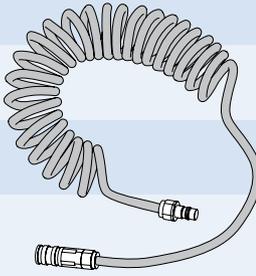
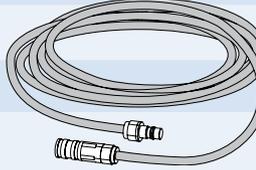
Size (IDxOD mm) 5x8, 6.5x10, 8x12, 11x16
Length..... From 2 to 20 m (from 6.5 to 65.5 ft)
Max. working pressure Spiral 10 bar (145 PSI), Straight 16 bar (232 PSI)
Hose..... Straight Braided or Spiral

 **This series includes safety products.**
 For other safety products, see Page 67-74.



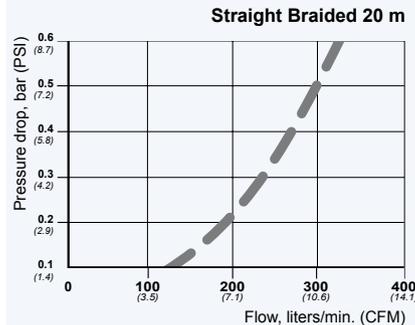
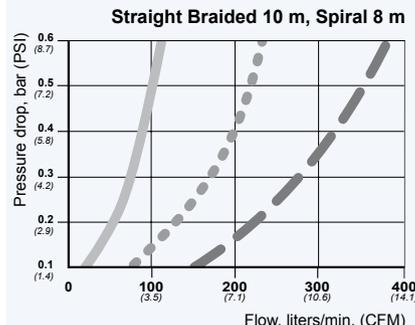
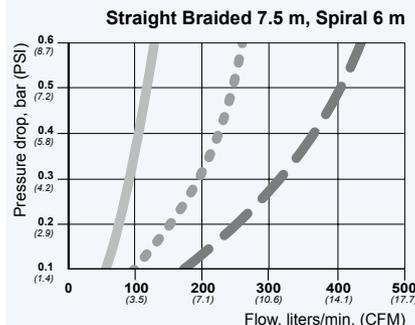
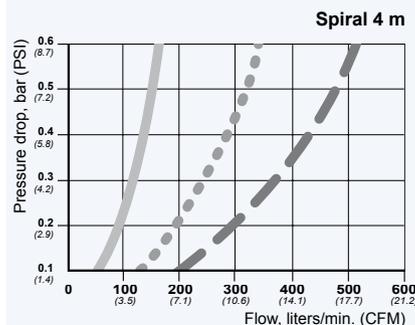
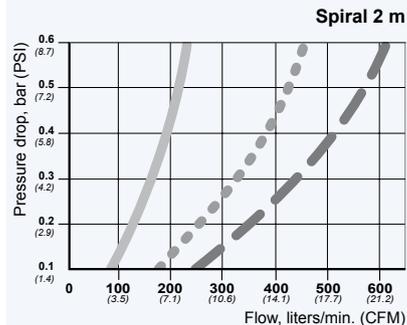
Hose Kits

34

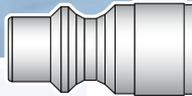
SERIES 300	Service Length	ID x OD (mm)	Standard	Vented Safety
	2 m	5 x 8	19 958 9977	-
		6.5 x 10	19 958 9946	19 958 9739
		8 x 12	19 958 9996	-
	4 m	5 x 8	19 958 9980	-
		6.5 x 10	19 958 9948	19 958 9740
		8 x 12	19 958 9975	19 958 9712
	6 m	5 x 8	19 958 9982	-
		6.5 x 10	19 958 9952	19 958 9741
		8 x 12	19 958 9960	19 958 9713
	8 m	5 x 8	19 958 9984	-
			19 958 9956	19 958 9742
		6.5 x 10	19 958 9961	19 958 9714
19 958 9813			19 958 9782	
11 x 16			19 958 9813	19 958 9782
	7.5 m	6.5 x 10	19 958 9994	-
	10 m	6.5 x 10	19 958 9959	19 958 9793
		8 x 12	19 958 9802	19 958 9704
	15 m	6.5 x 10	19 958 9995	19 958 9794
		8 x 12	19 958 9842	19 958 9705
20 m	8 x 12	19 958 9790	19 958 9796	

Air Flow

— Hose 5x8 mm
 - - - - - Hose 6.5x10 mm
 — — — — — Hose 8x12 mm
 — — — — — Hose 11x16 mm



Flow capacity is measured at 6 bar (87 PSI) inlet pressure, and pressure drop at 0.5 bar (7 PSI). Check with an authorized CEJN distributor for availability and prices.



PUR Hose Kits – with Series 310

A-A 59439 (former U.S. Standard MIL C 4109 1/4"), ISO 6150 B

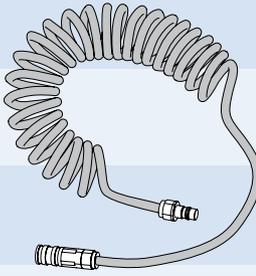
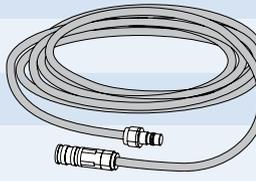
BENELUX, FRANCE, NORTH AMERICA, NORWAY, SWITZERLAND

Technical Data

Size (IDxOD mm) 5x8, 6.5x10, 8x12, 11x16
Length..... From 2 to 20 m (from 6.5 to 65.5 ft)
Max. working pressure Spiral 10 bar (145 PSI), Straight 16 bar (232 PSI)
Hose..... Straight Braided or Spiral

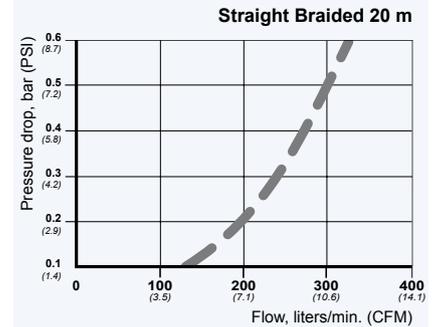
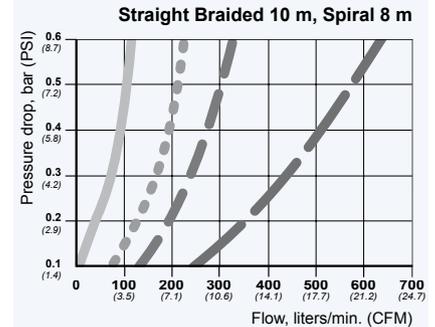
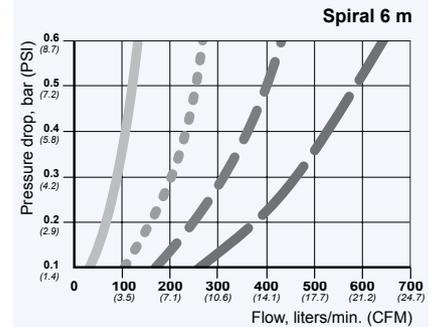
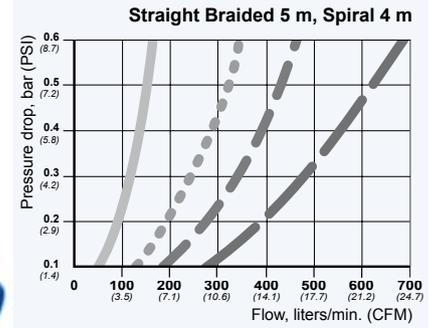
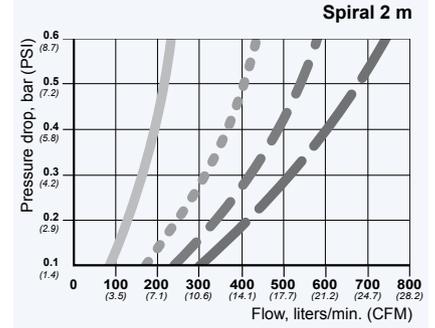
 **This series includes safety products.**
 For other safety products, see Page 67-74.



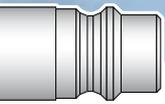
SERIES 310	Service Length	ID x OD (mm)	Standard	Vented Safety
	2 m	5 x 8	19 958 9923	-
		6.5 x 10	19 958 9927	-
		8 x 12	19 958 9931	-
		11 x 16	19 958 9935	-
	4 m	5 x 8	19 958 9924	-
		6.5 x 10	19 958 9928	-
		8 x 12	19 958 9932	19 958 9709
		11 x 16	19 958 9936	-
	6 m	5 x 8	19 958 9925	-
		6.5 x 10	19 958 9929	-
		8 x 12	19 958 9933	19 958 9710
		11 x 16	19 958 9937	-
8 m	5 x 8	19 958 9926	-	
	6.5 x 10	19 958 9930	-	
	8 x 12	19 958 9934	19 958 9711	
	11 x 16	19 958 9938	-	
	5 m	8 x 12	-	19 958 9700
	10 m	6.5 x 10	19 958 9600	-
		8 x 12	19 958 9832	19 958 9701
	15 m	8 x 12	19 958 9833	19 958 9702
20 m	8 x 12	19 958 9822	-	

Air Flow

— Hose 5x8 mm
 - - - - - Hose 6.5x10 mm
 - - - - - Hose 8x12 mm
 - - - - - Hose 11x16 mm



Flow capacity is measured at 6 bar (87 PSI) inlet pressure, and pressure drop at 0.5 bar (7 PSI). Check with an authorized CEJN distributor for availability and prices.



PUR Hose Kits – with Series 320

CEJN, EUROSTANDARD 7.6 (7.4)

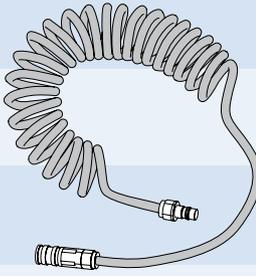
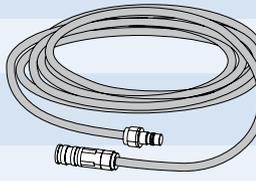
GLOBAL

Technical Data

Size (IDxOD mm) 5x8, 6.5x10, 8x12, 11x16
Length..... From 2 to 20 m (from 6.5 to 65.5 ft)
Max. working pressure Spiral 10 bar (145 PSI), Straight up to 16 bar (232 PSI)
Hose..... Straight Braided or Spiral

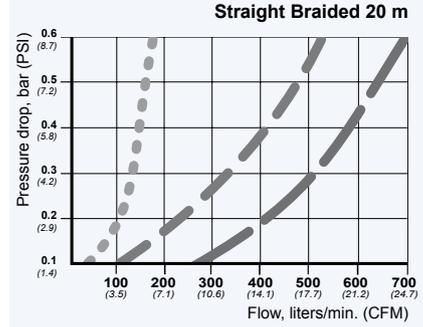
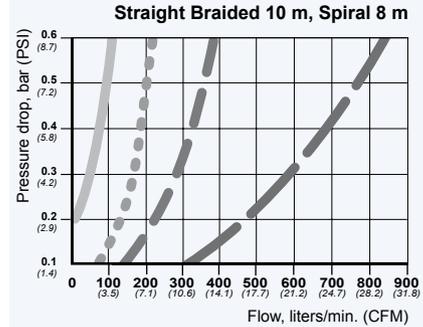
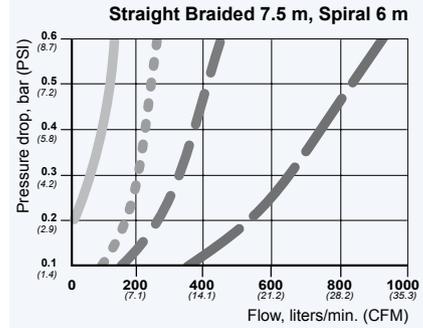
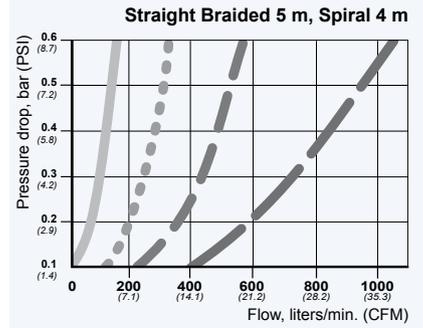
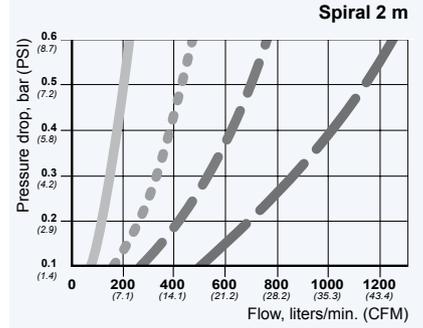
 **This series includes safety products.**
 For other safety products, see Page 67-74.



SERIES 320	Service Length	ID x OD (mm)	Standard	Vented Safety	
	2 m	5 x 8	19 958 9907	-	
		6.5 x 10	19 958 9910	19 958 9763	
		8 x 12	19 958 9914	19 958 9762	
		11 x 16	19 958 9917	19 958 9767	
	4 m	5 x 8	19 958 9903	-	
		6.5 x 10	19 958 9904	19 958 9764	
		8 x 12	19 958 9905	19 958 9706	
		11 x 16	19 958 9906	19 958 9768	
	6 m	5 x 8	19 958 9908	-	
		6.5 x 10	19 958 9912	19 958 9765	
		8 x 12	19 958 9915	19 958 9707	
		11 x 16	19 958 9918	19 958 9769	
8 m	5 x 8	19 958 9909	-		
	6.5 x 10	19 958 9913	19 958 9766		
	8 x 12	19 958 9916	19 958 9708		
	11 x 16	19 958 9919	19 958 9770		
	5 m	8 x 12	-	19 958 9897	
	7.5 m	8 x 12	19 958 9884	-	
		10 m	6.5 x 10	19 958 9882	19 958 9771
			8 x 12	19 958 9829	19 958 9898
	15 m	11 x 16	19 958 9737	19 958 9738	
		20 m	6.5 x 10	-	19 958 9772
	8 x 12		19 958 9830	19 958 9899	
	11 x 16		19 958 9748	19 958 9775	
20 m	6.5 x 10	-	19 958 9773		
	8 x 12	19 958 9831	19 958 9774		
	11 x 16	19 958 9894	19 958 9776		

Air Flow

— Hose 5x8 mm
 - - - - - Hose 6.5x10 mm
 - - - - - Hose 8x12 mm
 - - - - - Hose 11x16 mm



Flow capacity is measured at 6 bar (87 PSI) inlet pressure, and pressure drop at 0.5 bar (7 PSI). Check with an authorized CEJN distributor for availability and prices.



Complete Spiral Hose Kits

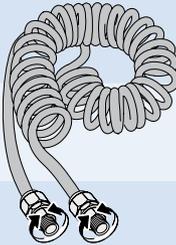
COUPLINGS, NIPPLES, AND ACCESSORIES

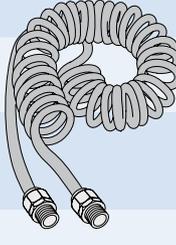
Connection 1: Short End

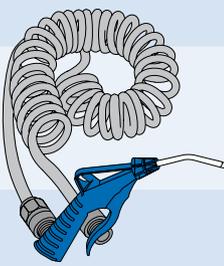
Connection 2: Long End

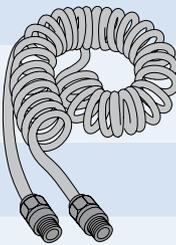
This series includes safety products.
For other safety products, see Page 67-74.



SWIVEL & THREADED		Size ID x OD	Connection 1	Connection 2	Part No.
	2 m	5 x 8 mm	R 1/4" swiveling	R 1/4" swiveling	19 958 9978
		6.5 x 10 mm	R 1/4" swiveling	R 1/4" swiveling	19 958 9947
		8 x 12 mm	R 3/8" swiveling	R 3/8" swiveling	19 958 9997
		11 x 16 mm	R 1/2" swiveling	R 1/2" swiveling	19 958 9807
	4 m	5 x 8 mm	R 1/4" swiveling	R 1/4" swiveling	19 958 9965
		6.5 x 10 mm	R 1/4" swiveling	R 1/4" swiveling	19 958 9949
		8 x 12 mm	R 3/8" swiveling	R 3/8" swiveling	19 958 9967
		11 x 16 mm	R 1/2" swiveling	R 1/2" swiveling	19 958 9810
	6 m	5 x 8 mm	R 1/4" swiveling	R 1/4" swiveling	19 958 9983
		6.5 x 10 mm	R 1/4" swiveling	R 1/4" swiveling	19 958 9954
		8 x 12 mm	R 3/8" swiveling	R 3/8" swiveling	19 958 9998
		11 x 16 mm	R 1/2" swiveling	R 1/2" swiveling	19 958 9812
8 m	5 x 8 mm	R 1/4" swiveling	R 1/4" swiveling	19 958 9985	
	6.5 x 10 mm	R 1/4" swiveling	R 1/4" swiveling	19 958 9957	
	8 x 12 mm	R 3/8" swiveling	R 3/8" swiveling	19 958 9809	

FIXED & THREADED		Size ID x OD	Connection 1	Connection 2	Part No.
	2 m	6.5 x 10 mm	R 1/4"	R 1/4"	19 958 9987
	4 m	6.5 x 10 mm	R 1/4"	R 1/4"	19 958 9988
		8 x 12 mm	R 3/8"	R 3/8"	19 958 9805
		11 x 16 mm	R 1/2"	R 1/2"	19 958 9885
	6 m	5 x 8 mm	R 1/4"	R 1/4"	19 958 9857
		6.5 x 10 mm	R 1/4"	R 1/4"	19 958 9955
		8 x 12 mm	R 3/8"	R 3/8"	19 958 9804
		11 x 16 mm	R 1/2"	R 1/2"	19 958 9860
	8 m	5 x 8 mm	R 1/4"	R 1/4"	19 958 9866
		8 x 12 mm	R 3/8"	R 3/8"	19 958 9801
		11 x 16 mm	R 1/2"	R 1/2"	19 958 9862

HOSE KITS WITH BLOWGUN		Size ID x OD	Connection 1	Connection 2	Blowgun	Description	Part No.
	2 m	6.5 x 10 mm	320 nipple	R 1/4"	208 Star-Tip	Blowgun with removable tube	19 958 9654
	4 m	5 x 8 mm	320 nipple	R 1/4"	208 standard	-	19 958 9871
		5 x 8 mm	320 nipple	R 1/4"	208 Star-Tip	-	19 958 9872
		6.5 x 10 mm	R 1/4"	320 nipple	208 standard	Nipple on long hose end	19 958 9639
		6.5 x 10 mm	320 nipple	320 coupling	208 standard	Nipple assembled on blowgun	19 958 9901
		6.5 x 10 mm	310 nipple	310 coupling	208 standard	Nipple assembled on blowgun	19 958 9911
		6.5 x 10 mm	320 nipple	320 coupling	208 Star-Tip	10 320 1152 + Nipple assembled on blowgun	19 958 9746
	6 m	5 x 8 mm	320 nipple	R 1/4"	208 standard	Air curtain nozzle	19 958 9645
		5 x 8 mm	R 1/4"	310 nipple	208 standard	Nipple on long hose end	19 958 9652
		5 x 8 mm	R 1/4"	R 1/4" swiveling	208 standard	Blowgun with removable tube	19 958 9671
		6.5 x 10 mm	300 nipple	R 1/4"	208 Star-Tip	Blowgun with removable tube	19 958 9658
		6.5 x 10 mm	320 nipple	320 coupling	208 Star-Tip	Nipple assembled on blowgun	19 958 9760
6.5 x 10 mm		320 nipple	320 coupling	208 standard	Nipple assembled on blowgun	19 958 9761	

OTHER HOSE KITS		Size ID x OD	Connection 1	Connection 2	Description	Part No.
	2 m	5 x 8 mm	R 1/4" swiveling	320 coupling	-	19 958 9895
		8 x 12 mm	R 3/8"	320 coupling	-	19 958 9726
	4 m	5 x 8 mm	303 nipple	303 coupling	-	19 958 9655
		5 x 8 mm	320 nipple	R 1/4" swiveling	-	19 958 9896
		6.5 x 10 mm	303 nipple	303 coupling	-	19 958 9656
		8 x 12 mm	R 3/8"	320 coupling	-	19 958 9727
	6 m	8 x 12 mm	410 nipple	410 coupling	-	19 958 9836
		11 x 16 mm	R 1/2" swiveling	320 coupling	-	19 958 9725
		11 x 16 mm	NPT 1/2" swiveling	320 coupling	-	19 958 9729
	8 m	8 x 12 mm	430 nipple	430 coupling	Swiveling connections	19 958 9821

Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.



Hose



When Lightweight and Extreme Flexibility Are Tooling Requirements

An extensive hose range, combined with a wide range of couplings, nipples, and adapters, makes CEJN a one-stop source for pneumatic hose assemblies.

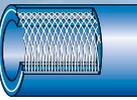
The CEJN hose family offers several styles of polyurethane (PUR) hose, including straight braided, straight non-braided, and spiral non-braided, for specific application requirements.

CEJN PUR hose styles are lightweight and extremely flexible and have excellent recoil ability, making them a perfect mate for small and lightweight pneumatic tools.

They are abrasion resistant and score high marks in impact strength and tensile and tear strength.

The long service life and outstanding aging qualities of CEJN PUR hose styles make hose replacements uncommon. In fact, CEJN PUR hose remains flexible after extensive use and outlasts conventional PVC hose up to 10 times.





Straight Hose

BRAIDED

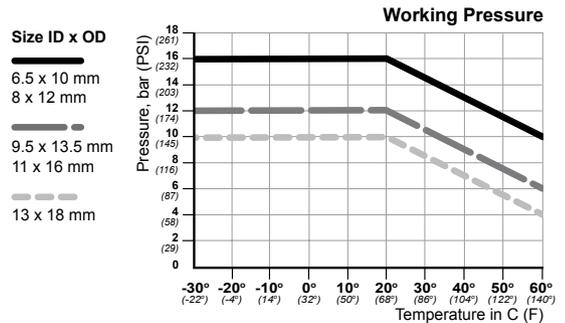
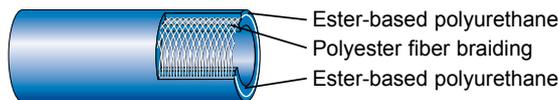
- **Light and flexible**
- **Excellent resistance to oils, solvents, and other non-aqueous solutions**
- **Long service life with outstanding aging qualities**

CEJN straight braided hose is an excellent choice for applications requiring a maximum working pressure up to 16 bar (232 PSI). It offers a wide temperature range and high tensile, tear, and impact strength. The hose easily springs back to its original form and has excellent abrasion resistance.



Technical Data

Size (IDxOD mm) 6.5x10, 8x12, 9.5x13.5, 11x16, 13x18
Max. working pressure Up to 16 bar (232 PSI)
Material Ester-based polyurethane reinforced with polyester fiber



HOSE, ID X OD (mm)	Part No.	Length (m)*	Working Pressure (20°C, 68°F)	Burst Pressure (20°C, 68°F)
6.5 x 10	19 958 1000	100	16 bar / 232 PSI	64 bar / 928 PSI
	19 958 1020	50	16 bar / 232 PSI	64 bar / 928 PSI
	19 958 1021	25	16 bar / 232 PSI	64 bar / 928 PSI
	19 958 1051	10	16 bar / 232 PSI	64 bar / 928 PSI
8 x 12	19 958 1200	100	16 bar / 232 PSI	64 bar / 928 PSI
	19 958 1220	50	16 bar / 232 PSI	64 bar / 928 PSI
	19 958 1221	25	16 bar / 232 PSI	64 bar / 928 PSI
	19 958 1251	10	16 bar / 232 PSI	64 bar / 928 PSI
9.5 x 13.5	19 958 1350	100	12 bar / 174 PSI	48 bar / 696 PSI
	19 958 1370	50	12 bar / 174 PSI	48 bar / 696 PSI
11 x 16	19 958 1600	100	12 bar / 174 PSI	48 bar / 696 PSI
	19 958 1638	50	12 bar / 174 PSI	48 bar / 696 PSI
	19 958 1621	25	12 bar / 174 PSI	48 bar / 696 PSI
	19 958 1651	10	12 bar / 174 PSI	48 bar / 696 PSI
13 x 18	19 958 1801	50	10 bar / 145 PSI	40 bar / 580 PSI

*Sold in precut lengths, as specified in the Length column above.

Straight Hose

NON-BRAIDED

- Suitable for push-to-connect fittings
- Excellent resistance to oils, solvents, and other non-aqueous solutions
- Long service life with outstanding aging qualities

CEJN non-braided hose is an excellent choice for applications requiring a maximum working pressure up to 10 bar (145 PSI). It is light and flexible and offers high tensile, tear, and impact strength. The hose easily springs back to its original form.

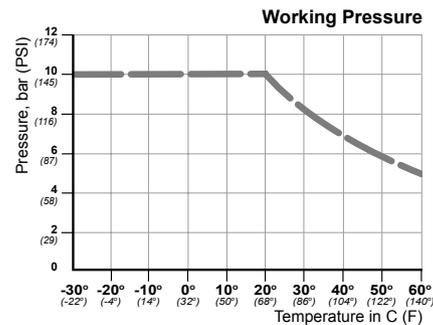


Technical Data

Size (IDxOD mm) 6.5x10, 8x12, 9.5x13.5, 11x16
 Max. working pressure 10 bar (145 PSI)
 Material FDA approved, Ester-based polyurethane

Size ID x OD

- 4 x 6 mm
- 5 x 8 mm
- 6.5 x 10 mm
- 8 x 12 mm
- 11 x 16 mm



Hose



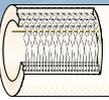
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HOSE, ID X OD (mm)	Part No.	Working Pressure (20°C, 68°F)	Burst Pressure (20°C, 68°F)
4 x 6	19 958 0702	10 bar / 145 PSI	25 bar / 362 PSI
5 x 8	19 958 0802	10 bar / 145 PSI	25 bar / 362 PSI
6.5 x 10	19 958 1002	10 bar / 145 PSI	25 bar / 362 PSI
8 x 12	19 958 1202	10 bar / 145 PSI	25 bar / 362 PSI
11 x 16	19 958 1602	10 bar / 145 PSI	25 bar / 362 PSI

Note: Hose is sold by the meter; full roll equals 100 meters.

Check with an authorized CEJN distributor for availability and prices.





Electrically Conductive Hose

STRAIGHT BRAIDED

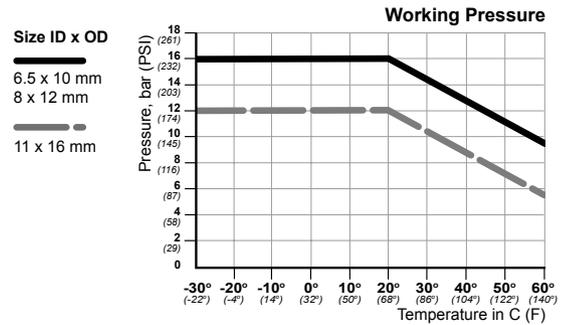
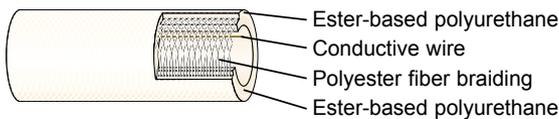
- **Dissipates electro-static discharge**
- **Excellent resistance to oils, solvents, and other non-aqueous solutions**
- **Long service life with outstanding aging qualities**

CEJN electrically conductive hose has an integral wire that dissipates electro-static discharge and minimizes errant sparks. When assembled, the integral wire needs to be in contact with the hose connection for proper function. It is an excellent choice for applications in which media causes excessive static charge or where a static discharge has the potential to cause an explosion or damage. The hose offers high tensile strength, tear and abrasion resistance, and extremely high impact strength. The hose easily springs back to its original form.



Technical Data

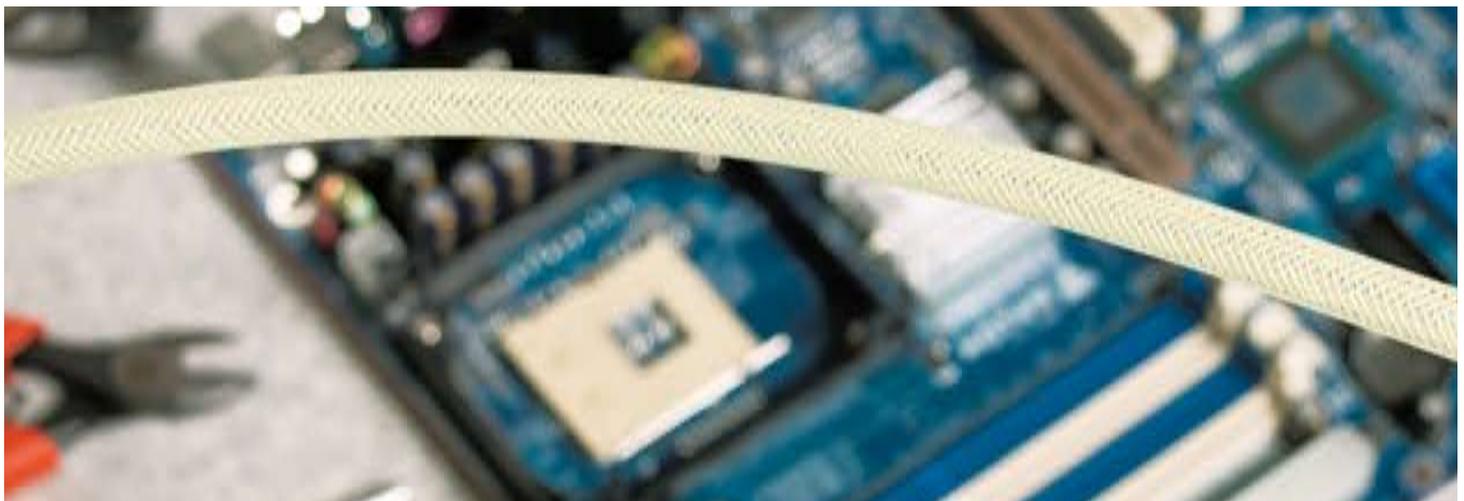
Size (IDxOD mm) 6.5x10, 8x12, 11x16
Max. working pressure Up to 16 bar (232 PSI)
Material Ester-based polyurethane reinforced with polyester fiber

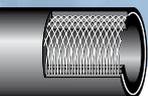


HOSE, ID X OD (mm)	Part No.	Working Pressure (20°C, 68°F)	Burst Pressure (20°C, 68°F)
6.5 x 10	19 958 1050	16 bar / 232 PSI	64 bar / 928 PSI
8 x 12	19 958 1250	16 bar / 232 PSI	64 bar / 928 PSI
11 x 16	19 958 1650	12 bar / 174 PSI	48 bar / 696 PSI

Note: Hose is sold by the meter; full roll equals 100 meters.

Check with an authorized CEJN distributor for availability and prices.





Anti-Spark Hose

STRAIGHT BRAIDED

- Spark and scorch resistant
- Excellent resistance to oils, solvents, and other non-aqueous solutions
- Long service life with outstanding aging qualities

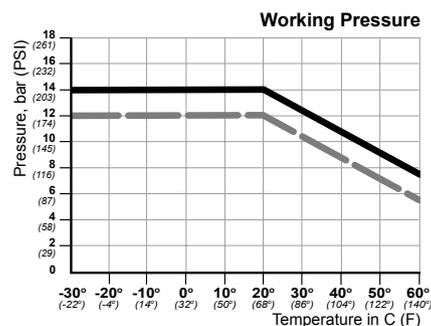
CEJN anti-spark hose is resistant to scorching and damage due to exposure to sparks that are present in welding environments or where cutting equipment is in use. The hose offers outstanding aging qualities and long duty. It is light and flexible and has high impact strength, as well as high tensile and tear strength. The hose easily springs back to its original form.



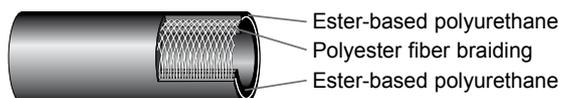
Technical Data

Size (IDxOD mm) 6.5x10, 8x12, 11x16
Max. working pressure Up to 14 bar (203 PSI)
Material Ester-based polyurethane reinforced with polyester fiber

Size ID x OD
 6.5 x 10 mm
 8 x 12 mm
 11 x 16 mm



Hose



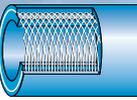
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HOSE, ID X OD (mm)	Part No.	Working Pressure (20°C, 68°F)	Burst Pressure (20°C, 68°F)
6.5 x 10	19 958 1030	14 bar / 203 PSI	56 bar / 812 PSI
8 x 12	19 958 1230	14 bar / 203 PSI	56 bar / 812 PSI
9.5 x 13.5	19 958 1330	12 bar / 174 PSI	48 bar / 696 PSI
11 x 16	19 958 1637	12 bar / 174 PSI	48 bar / 696 PSI

Note: Hose is sold by the meter; full roll equals 100 meters.

Check with an authorized CEJN distributor for availability and prices.





Water Hose

STRAIGHT BRAIDED

- **Light and flexible**
- **Excellent resistance to oils, solvents, and both aqueous and non-aqueous solutions**
- **Long service life with outstanding aging qualities**

CEJN water hose is also an excellent choice for compressed air in damp and wet environments. It has high impact strength and is functional in a wide temperature range. The hose easily springs back to its original form and has excellent abrasion resistance.

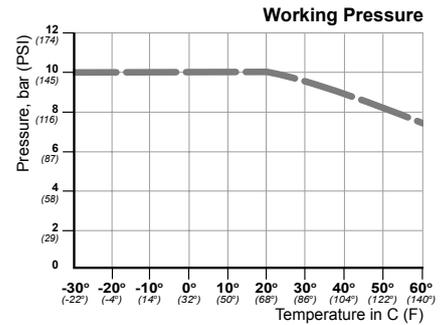


Technical Data

Size (IDxOD mm) 8x12, 11x16
Max. working pressure 10 bar (145 PSI)
Material Ether-based polyurethane reinforced with polyester fiber



Size ID x OD
 8 x 12. mm
 11 x 16 mm



HOSE, ID X OD (mm)	Part No.	Working Pressure (20°C, 68°F)	Burst Pressure (20°C, 68°F)
8 x 12	19 958 1240	10 bar / 145 PSI	40 bar / 580 PSI
11 x 16	19 958 1640	10 bar / 145 PSI	40 bar / 580 PSI

Note: Hose is sold by the meter; full roll equals 100 meters.

Check with an authorized CEJN distributor for availability and prices.

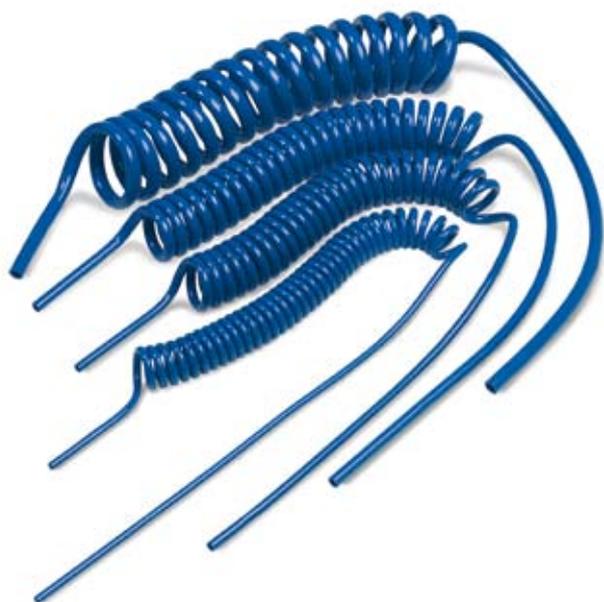


Spiral Hose

NON-BRAIDED

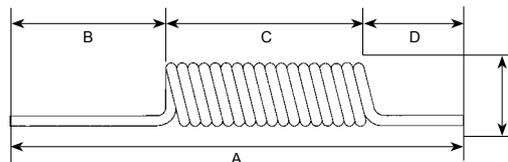
- *Light and flexible*
- *Excellent resistance to oils, solvents, and other non-aqueous solutions*
- *Long service life with outstanding aging qualities*

CEJN spiral hose is an excellent choice for applications that call for hose to have excellent recoil ability and crimp resistance. It offers high tensile and tear strength and resistance to impacts. The hose is abrasion resistant and is suitable for applications in a wide temperature range.

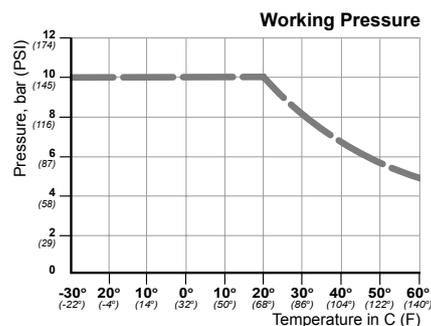


Technical Data

Size (IDxOD mm) 5x8, 6.5x10, 8x12, 11x16
Max. working pressure 10 bar (145 PSI)
Min. burst pressure 25 bar (362 PSI)
Material FDA approved, Ester-based polyurethane



Size ID x OD
 5 x 8 mm
 6.5 x 10 mm
 8 x 12 mm
 11 x 16 mm



Hose

44

HOSE	Part No.	Size ID x OD (mm)	Service Length (m)	Total Length (m)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Working Pressure (20°C, 68°F)
2 meter	19 958 5820	5 x 8	2.0	2.5	740	500	140	100	42	10 bar / 145 PSI
	19 958 6020	6.5 x 10	2.0	2.5	740	500	140	100	52	10 bar / 145 PSI
	19 958 6220	8 x 12	2.0	2.5	740	500	140	100	65	10 bar / 145 PSI
	19 958 6620	11 x 16	2.0	2.5	720	500	120	100	95	10 bar / 145 PSI
4 meter	19 958 5840	5 x 8	4.0	5.0	930	500	330	100	42	10 bar / 145 PSI
	19 958 6040	6.5 x 10	4.0	5.0	930	500	330	100	52	10 bar / 145 PSI
	19 958 6240	8 x 12	4.0	5.0	920	500	320	100	65	10 bar / 145 PSI
	19 958 6640	11 x 16	4.0	5.0	880	500	280	100	95	10 bar / 145 PSI
5.5 meter	19 958 6092	6.5 x 10	5.5	6.9	2440	2000	340	100	52	10 bar / 145 PSI
	19 958 6294	8 x 12	5.5	6.5	2420	2000	320	100	65	10 bar / 145 PSI
6 meter	19 958 5860	5 x 8	6.0	7.5	1120	500	520	100	42	10 bar / 145 PSI
	19 958 6060	6.5 x 10	6.0	7.5	1120	500	520	100	52	10 bar / 145 PSI
	19 958 6260	8 x 12	6.0	7.5	1100	500	500	100	65	10 bar / 145 PSI
	19 958 6660	11 x 16	6.0	7.5	1040	500	440	100	95	10 bar / 145 PSI
7.5 meter	19 958 6093	6.5 x 10	7.5	9.7	2640	2000	540	100	52	10 bar / 145 PSI
	19 958 6295	8 x 12	7.5	9.0	2600	2000	500	100	65	10 bar / 145 PSI
8 meter	19 958 5880	5 x 8	8.0	10.0	1300	500	700	100	42	10 bar / 145 PSI
	19 958 6080	6.5 x 10	8.0	10.0	1310	500	710	100	52	10 bar / 145 PSI
	19 958 6280	8 x 12	8.0	10.0	1280	500	680	100	65	10 bar / 145 PSI
	19 958 6680	11 x 16	8.0	10.0	1210	500	610	100	95	10 bar / 145 PSI



Spiral Anti-Spark Hose

NON-BRAIDED

- **Spark and scorch resistant**
- **Excellent resistance to oils, solvents, and other non-aqueous solutions**
- **Long service life with outstanding aging qualities**

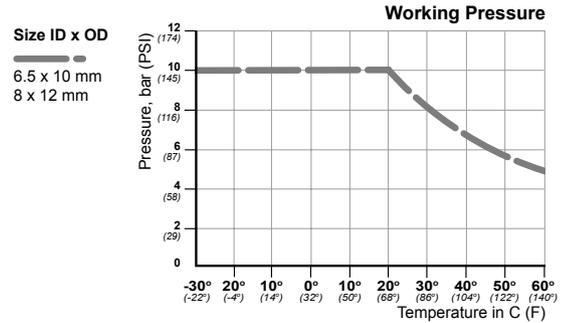
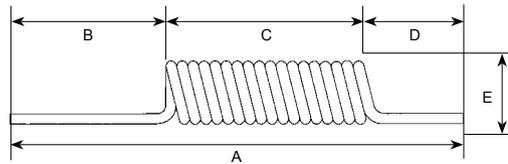
CEJN spiral anti-spark hose is resistant to scorching and damage due to exposure to sparks that are present in welding environments or where cutting equipment is in use. Its excellent recoil ability and outstanding aging qualities make it ideal for assembly lines and fixed workplaces. The hose can also be used for breathing air applications.

See the CEJN Breathing Air Products Catalog for more information.



Technical Data

- Size (IDxOD mm)** 6.5x10, 8x12
Max. working pressure 10 bar (145 PSI)
Min. burst pressure 25 bar (362 PSI)
Material Ester-based polyurethane



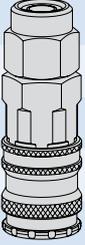
HOSE	Part No.	Size ID x OD (mm)	Service Length (m)	Total Length (m)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Working Pressure (20°C, 68°F)
2 meter	19 958 4020	6.5 x 10	2.0	2.5	740	500	140	100	52	10 bar / 145 PSI
	19 958 4220	8 x 12	2.0	2.5	740	500	140	100	65	10 bar / 145 PSI
4 meter	19 958 4040	6.5 x 10	4.0	5.0	930	500	330	100	52	10 bar / 145 PSI
	19 958 4240	8 x 12	4.0	5.0	920	500	320	100	65	10 bar / 145 PSI
6 meter	19 958 4060	6.5 x 10	6.0	7.5	1120	500	520	100	52	10 bar / 145 PSI
	19 958 4260	8 x 12	6.0	7.5	1100	500	500	100	65	10 bar / 145 PSI
8 meter	19 958 4080	6.5 x 10	8.0	10.0	1310	500	710	100	52	10 bar / 145 PSI
	19 958 4280	8 x 12	8.0	10.0	1280	500	680	100	65	10 bar / 145 PSI

Check with an authorized CEJN distributor for availability and prices.



Stream-Line Connections

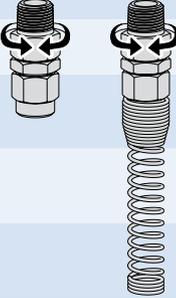
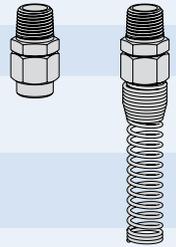
COUPLINGS, NIPPLES, AND ADAPTERS

COUPLINGS	Hose ID x OD (mm)	Series 300	Series 303	Series 310	Series 315	Series 320	Series 408	Series 410	Series 430
	5 x 8	10 300 1058	10 303 1058	10 310 1058	10 315 1058	10 320 1058	-	-	-
	6.5 x 10	10 300 1060	10 303 1060	10 310 1060	10 315 1060	10 320 1060	-	-	-
	8 x 12	10 300 1062	10 303 1062	10 310 1062	10 315 1062	10 320 1062	-	-	-
	9.5 x 13.5	10 300 1063	10 303 1063	10 310 1063	-	10 320 1063	-	-	-
	11 x 16	10 300 1066	10 303 1066	10 310 1066	10 315 1066	10 320 1066	10 408 1066	10 410 1066	10 430 1066

NIPPLES	Hose ID x OD (mm)	Series 300	Series 303	Series 310	Series 315	Series 320	Series 408	Series 410	Series 430
	5 x 8	10 300 5058	10 303 5058	10 310 5058	10 315 5058	10 320 5058	-	-	-
	6.5 x 10	10 300 5060	10 303 5060	10 310 5060	10 315 5060	10 320 5060	-	-	-
	8 x 12	10 300 5062	10 303 5062	10 310 5062	10 315 5062	10 320 5062	-	-	-
	9.5 x 13.5	10 300 5063	10 303 5063	10 310 5063	-	10 320 5063	-	-	-
	11 x 16	10 300 5066	10 303 5066	10 310 5066	10 315 5066	10 320 5066	10 408 5066	10 410 5066	10 430 5066

KINK PROTECTORS for couplings and nipples	Hose Connection	Part No.
	6.5 x 10	10 300 4010
	8 x 12	10 300 4012

Kink protectors can be used on all Stream-Line couplings and nipples with the corresponding hose size. Kink protectors are sold separately and can be replaced during use with the cap nut on the Stream-Line connection.

ADAPTERS	Hose ID x OD (mm)	Male Thread	R Thread	R Thread with Kink Protector	NPT Thread	NPT Thread with Kink Protector
Swivel 	5 x 8	1/4"	19 958 0877	19 958 0876	19 958 0892	19 958 0891
	6.5 x 10	1/4"	19 958 1077	19 958 1076	19 958 1092	19 958 1091
	8 x 12	1/4" 3/8"	19 958 1277 19 958 1279	19 958 1276 19 958 1278	19 958 1292 19 958 1294	19 958 1291 19 958 1293
	9.5 x 13.5	1/4" 3/8"	19 958 1377 19 958 1379	19 958 1376 19 958 1378	19 958 1392 19 958 1394	19 958 1391 19 958 1393
	11 x 16	1/2"	19 958 1687	19 958 1686	19 958 1695	19 958 1694
Fixed 	5 x 8	1/4"	19 958 0812	19 958 0813	19 958 0842	19 958 0843
	6.5 x 10	1/4"	19 958 1012	19 958 1013	19 958 1042	19 958 1043
	8 x 12	1/4" 3/8"	19 958 1212 19 958 1214	19 958 1213 19 958 1215	19 958 1242 19 958 1244	19 958 1243 19 958 1246
	9.5 x 13.5	1/4" 3/8"	19 958 1312 19 958 1314	19 958 1313 19 958 1315	19 958 1342 19 958 1344	19 958 1343 19 958 1345
	11 x 16	1/2"	19 958 1615	19 958 1616	19 958 1645	19 958 1646

Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.

Hose And Cable Reels

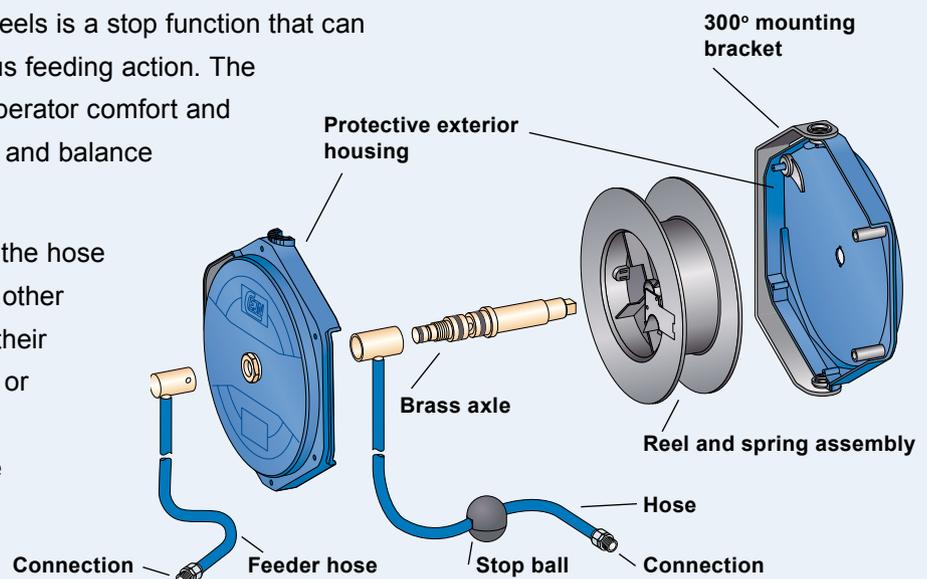
Hose & Cable Reels for Safe, Efficient Workplaces

CEJN high-quality hose and cable reels contain an ample length of CEJN polyurethane hose or PVC cable that is neatly wound into place.

The lightweight design of polyurethane hose makes CEJN hose reels easy to maneuver. The smooth outer layer of the hose ensures flawless feeding action without tangles. Polyurethane hose offers a high rate of flow and outstanding resistance to oils, solvents, and other non-aqueous solutions.

Among special features of CEJN reels is a stop function that can be disengaged, allowing continuous feeding action. The spring force can be adjusted for operator comfort and to compensate for different weight and balance requirements.

A sturdy exterior housing protects the hose and reel mechanism from dirt and other debris that could alter or damage their function. The reels can be ceiling- or wall-mounted with no adjustment required and offer full, 300-degree movement.



Compressed Air

HOSE REELS

- **High flow capacity**
- **Low pressure drop**
- **Strong and durable**

CEJN compressed air hose reels feature high-quality, oil-resistant polyurethane hose and are supplied with a feeder hose as standard equipment. The series is available in several casing sizes and hose dimensions, as well as with CEJN non-braided anti-spark hose.



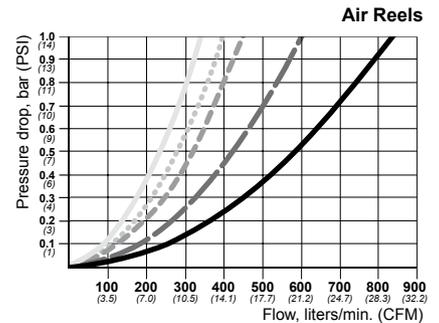
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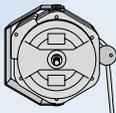
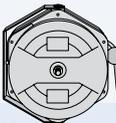
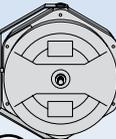
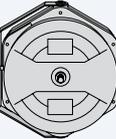
Technical Data

Hose size (IDxOD mm)	6.5x10, 8x12, 9.5x13.5, 11x16
Hose	Braided PUR
Reel diameter	330 mm, 430 mm
Feeder hose length	2 m (6.5 ft)
Max. working pressure	Up to 16 bar (232 PSI)
Temperature range	-20°C to +60°C (-4°F to +140°F)

 **This series includes safety products.**
For other safety products, see Page 67-74.

- 19 911 501X
- 19 911 510X
- 19 911 10X0
- 19 911 512X
- 19 911 502X
- 19 911 513X



	COMPRESSED AIR	Part No.	Size ID x OD (mm)	Connection (male)	Diameter (mm)	Weight (kg)	Working Pressure (20° C, 68° F)
	7 meter	19 911 5020	8 x 12	R 1/4"	330	3.9	16 bar / 232 PSI
		19 911 5021	8 x 12	NPT 1/4"	330	3.9	16 bar / 232 PSI
	9 meter	19 911 5010	6.5 x 10	R 1/4"	330	3.9	16 bar / 232 PSI
		19 911 5011	6.5 x 10	NPT 1/4"	330	3.9	16 bar / 232 PSI
	10 meter	19 911 1000	8 x 12	R 1/4"	390	5.5	16 bar / 232 PSI
		19 911 1050	8 x 12	NPT 1/4"	390	5.5	16 bar / 232 PSI
	10 meter	19 911 5130	11.0 x 16.0	R 1/2"	430	6.6	12 bar / 174 PSI
		19 911 5131	11.0 x 16.0	NPT 1/2"	430	6.6	12 bar / 174 PSI
	14 meter	19 911 5120	9.5 x 13.5	R 1/4"	430	6.3	12 bar / 174 PSI
		19 911 5121	9.5 x 13.5	NPT 1/4"	430	6.3	12 bar / 174 PSI
	16 meter	19 911 5100	8 x 12	R 1/4"	430	6.3	16 bar / 232 PSI
		19 911 5101	8 x 12	NPT 1/4"	430	6.3	16 bar / 232 PSI
	ANTI-SPARK	19 911 5125	9.5 x 13.5	R 1/4"	430	6.3	12 bar / 174 PSI
		19 911 5126	9.5 x 13.5	NPT 1/4"	430	6.3	12 bar / 174 PSI

Flow capacity is measured at 6 bar (87 PSI) inlet pressure, and pressure drop at 0.5 bar (7 PSI). Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.

Water

HOSE REELS

- **Suitable for damp or wet environments**
- **Compatible with water-based fluids, such as acetylene glycol**
- **Strong and durable**

CEJN water hose reels are ideal for wash-down applications, fluid-filling stations, and personnel rinse areas. They are also an excellent choice for compressed air in damp and wet environments. When used exclusively for water, the green color of the hose makes it distinguishable from CEJN compressed air hose reels. A feeder hose is included.



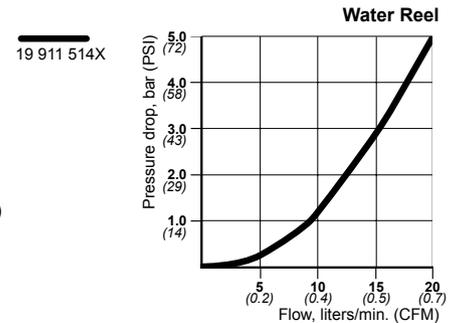
CE marked in compliance with 98/37/EC

Technical Data

Hose size (IDxOD mm)	9.5x13.5
Hose	Braided PUR
Reel diameter	430 mm
Feeder hose length	2 m (6.5 ft)
Max. working pressure	9 bar (130 PSI) at 20°C (68°F), 7 bar (102 PSI) at 60°C (140°F)
Temperature range	+5°C to +60°C (+41°F to +140°F)



This series includes safety products. For other safety products, see Page 67-74.



WATER	Part No.	Size ID x OD (mm)	Connection (male)	Diameter (mm)	Weight (kg)	Working Pressure (20° C, 68° F)	
	14 meter	19 911 5140	9.5 x 13.5	R 1/4"	430	6.3	9 bar / 130 PSI
		19 911 5141	9.5 x 13.5	NPT 1/4"	430	6.3	9 bar / 130 PSI

Flow capacity is measured at 6 bar (87 PSI) inlet pressure, and pressure drop at 0.5 bar (7 PSI). Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.



Electrical

CABLE REELS

- **Sturdy housing protects enclosed cable and reel mechanism**
- **Strong and durable**
- **Approved by TÜV**

CEJN electrical cable reels are supplied with a thermal overload protection circuit, which cuts off the electrical supply in the event of a power surge. They can be ceiling- or wall-mounted and swivel 300°.



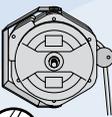
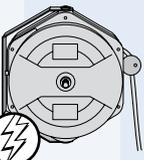
 CE marked in compliance with 98/37/EC

Technical Data

Cable.....	PVC
Reel diameter.....	330 mm, 430 mm
Current.....	10 and 16 ampere
Voltage.....	230 V
Connections.....	Schuko and CH plug
Power output.....	1000 W (fully wound), 3500 W (fully unwound, 16 Ampere version)
Protection class.....	IP 23
Temperature range.....	+5°C to +60°C (+41°F to +140°F)

 **This series includes safety products.**
For other safety products, see Page 67-74.



ELECTRICITY	Part No.	Dimensions (mm ²)	Connection	Diameter (mm)	Current (Ampere)	Voltage (Volt)	Weight (kg)
	10 meter 19 911 5050* 19 911 5052**	3 x 1.5	Schuko plug	330	16	230	4.6
		3 x 1.5	CH plug	330	10	230	4.6
	17 meter 19 911 5150* 19 911 5152**	3 x 1.5	Schuko plug	430	16	230	6.7
		3 x 1.5	CH plug	430	10	230	6.7

* Certified by TÜV, Germany
** Certified by SEV, Switzerland.

Check with an authorized CEJN distributor for availability and prices.



Blowguns



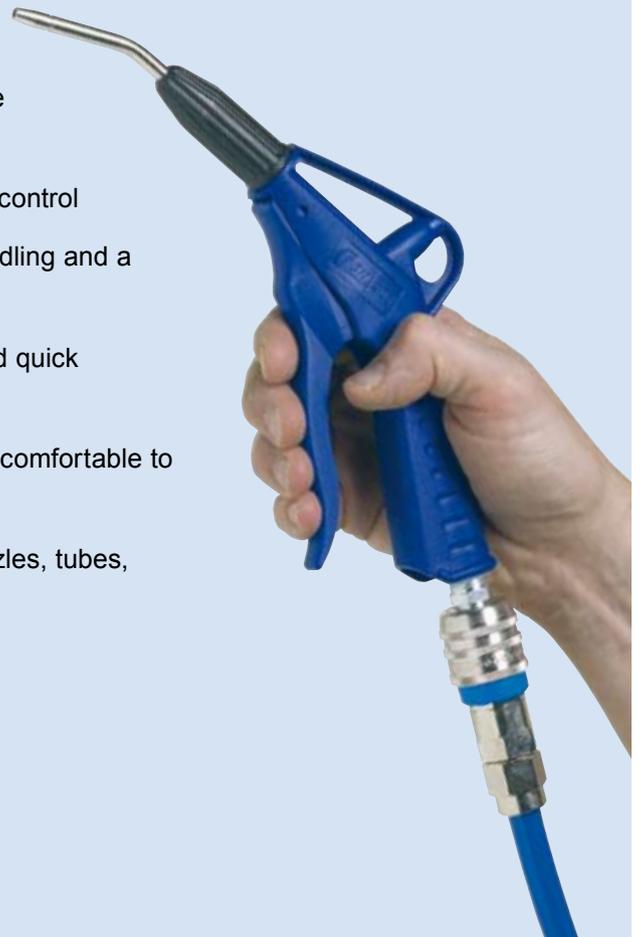
Blowguns Offering Comfort and High Performance

CEJN Series 208 blowguns offer new levels of performance in operation and ease of use.

Its highly valued design features include:

- **High blowing force** – Generates much higher blowing force than comparable designs
- **Lightweight design** – Makes the blowgun easy to use and control
- **Ergonomic and versatile styling** – Offers comfortable handling and a “perfect fit” for both left- and right-handed users
- **Flexible hanging options** – Provide convenient storage and quick retrieval
- **User friendly** – Results from an acetalplastic handle that is comfortable to grip and shields against cold air flow

Series 208 blowguns are available with a wide range of nozzles, tubes, and other accessories.



Blowgun

SERIES 208

- High blowing force
- Easily regulated infinite flow
- Ergonomic, comfortable controls

The CEJN Series 208 blowgun is offered in several styles, including standard full-flow, noise-reducing Star-Tip, and a pressure-regulated safety version. Various tubes and tips are available to meet specific application requirements.



This series includes safety products.
For other safety products, see Page 67-74.

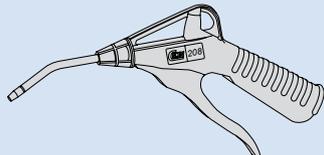
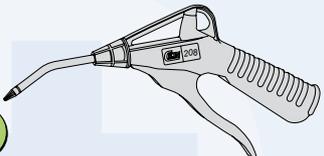
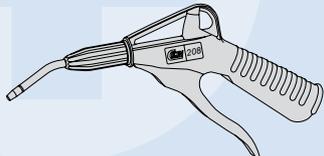
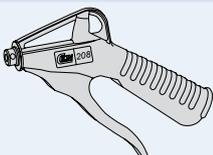
Technical Data

Air flow	500 l/min (18 CFM)*
Max. working pressure	16 bar (232 PSI)*
Min. burst pressure	64 bar (928 PSI)
Connections	1/4" female thread
Weight	112 g. (3.6 oz)*
Material	POM (body), brass (valve, tube)
Temperature range	-20°C to +60°C (-4°F to +140°F)

* Version with 90 mm standard tube

Star-Tip – Incorporates six separate outlets, which result in a silencing effect, as well as meet OSHA safety standards.



BLOWGUNS	Part No.	Tube	Connection	Air Flow	Max. Working Pressure
	11 208 0100	Fixed tube	G 1/4"	500 l/min (18 CFM)	16 bar (232 PSI)
	11 208 0150	Fixed tube	NPT 1/4"	500 l/min (18 CFM)	16 bar (232 PSI)
	11 208 0200	Removable tube	G 1/4"	500 l/min (18 CFM)	16 bar (232 PSI)
	11 208 0250	Removable tube	NPT 1/4"	500 l/min (18 CFM)	16 bar (232 PSI)
 	11 208 3100	Fixed tube	G 1/4"	190 l/min (7 CFM)	16 bar (232 PSI)
	11 208 3150	Fixed tube	NPT 1/4"	190 l/min (7 CFM)	16 bar (232 PSI)
	11 208 3200	Removable tube	G 1/4"	190 l/min (7 CFM)	16 bar (232 PSI)
	11 208 3250	Removable tube	NPT 1/4"	190 l/min (7 CFM)	16 bar (232 PSI)
Sound level at inlet pressure of 6 bar (87 PSI): 79 dBA					
 	11 208 0300	Removable tube	G 1/4"	250 l/min (9 CFM)	8 bar (116 PSI)
	11 208 0350	Removable tube	NPT 1/4"	250 l/min (9 CFM)	8 bar (116 PSI)
Max. outlet pressure when dead-ended: 2 bar (29 PSI)					
 	11 208 0000	G 1/4"			
	11 208 0050	NPT 1/4"			

Flow capacity is measured at 6 bar (87 PSI) inlet pressure, and pressure drop at 0.5 bar (7 PSI). Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.

Accessories

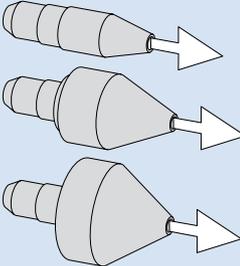
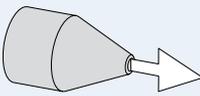
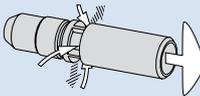
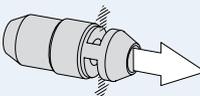
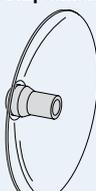
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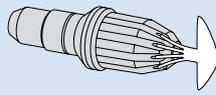
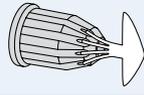
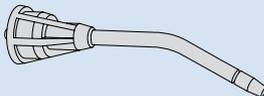
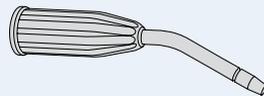
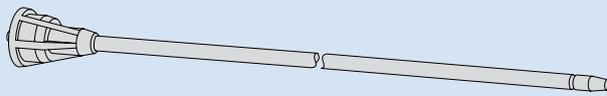
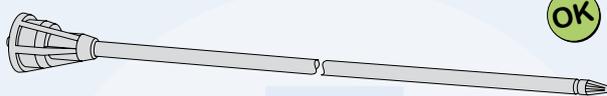


All products marked with the "OK" symbol are compliant with OSHA Instruction STD 1-13.1: "...when dead-ending occurs, static pressure at the main orifice shall not exceed 30 PSI [2 bar]."



All products marked with the "ear" symbol have a sound level below 85 dB(A) and meet the EU Machine Directive §1.5.8. concerning noise reduction demands.

ACCESSORIES	Part No.
Rubber-tip nozzle Fits directly onto the tube. For use against sensitive surfaces. Suitable for pressurizing, such as in leakage or cylinder testing. Nozzle available in three sizes, individually and as a set.	Ø 14 mm (1/2") 11 208 9956 Ø 25 mm (1") 11 208 9957 Ø 35 mm (1 1/3") 11 208 9958 3-piece set 11 208 9960
	
Rubber-tip nozzle Fits directly onto the threads of blowgun body. For use when space is limited and a more dynamic tip and orifice seal are desired.	11 208 9964
	
Venturi nozzle Fits directly onto the tube. Draws in ambient air for extra-high flow. Increases air flow by 100%. Suitable for deflecting lightweight wood chips and diverts air when dead-ended, reducing the outlet pressure to less than 2 bar (29 PSI).	11 208 9963
	OK
Bypass nozzle Fits directly onto the tube. When dead-ended, pressure is released (or diverted) through the side outlets, reducing the maximum outlet pressure to less than 2 bar (29 PSI).	11 208 9961
	OK
Air curtain nozzle Fits directly onto the tube. Creates a protective air curtain that is suitable for deflecting lightweight chips or fluids and diverts air when dead-ended, reducing the outlet pressure to less than 2 bar (29 PSI).	11 208 9954
	OK
Chip shield Fits directly onto the tube. Protects operators from flyaway chip debris. For placement anywhere on the tube. Nitrile bushing for easy mounting. Translucent shield diameter: 100 mm (4")	11 208 9955
	

ACCESSORIES	Part No.
Silencer Fits directly onto the tube. Reduces noise effectively when low noise is a requirement. Sound level: 82 dB(A).	11 208 9962
	OK Ear
Silencer nozzle Fits directly onto the threads of blowgun body. For use when space is limited.	11 208 9965
	OK Ear
Tube: 90 mm (4") Fits directly onto the threads of blowgun body. Air flow: Regular – 500 l/min (18 CFM). Star-Tip* – 190 l/min (7 CFM).	Regular 11 208 0215 Star-Tip* 11 208 3215
	*OK *Ear
Tube regulator: 90 mm (4") Fits directly onto the threads of blowgun body. Reduces the outlet pressure to a safe level in the event of blockage in the tube or when dead-ended.	11 208 0216
	OK
Extension tube: 300/500 mm (12"/20") Fits directly onto the threads of blowgun body. Offers increased access in hard-to-reach areas. Air flow: 380 l/min (13 CFM)	300 mm (12") 11 208 0219 500 mm (20") 11 208 0220
	
Star-Tip extension tube: 300/500 mm (12"/20") Fits directly onto the threads of blowgun body. Offers increased access in hard-to-reach areas, along with silencing and OSHA-compliant features. Air flow: 180 l/min (6 CFM)	300 mm (12") 11 208 3219 500 mm (20") 11 208 3220
	OK Ear
Bendable extension tube: 400 mm (16") Fits directly onto the threads of blowgun body. Can be bent and adjusted for specific tasks in hard-to-reach areas. Bendable 6-mm (1/4") coated copper tube. Air flow: 120 l/min (4 CFM)	11 208 0222
	Ear





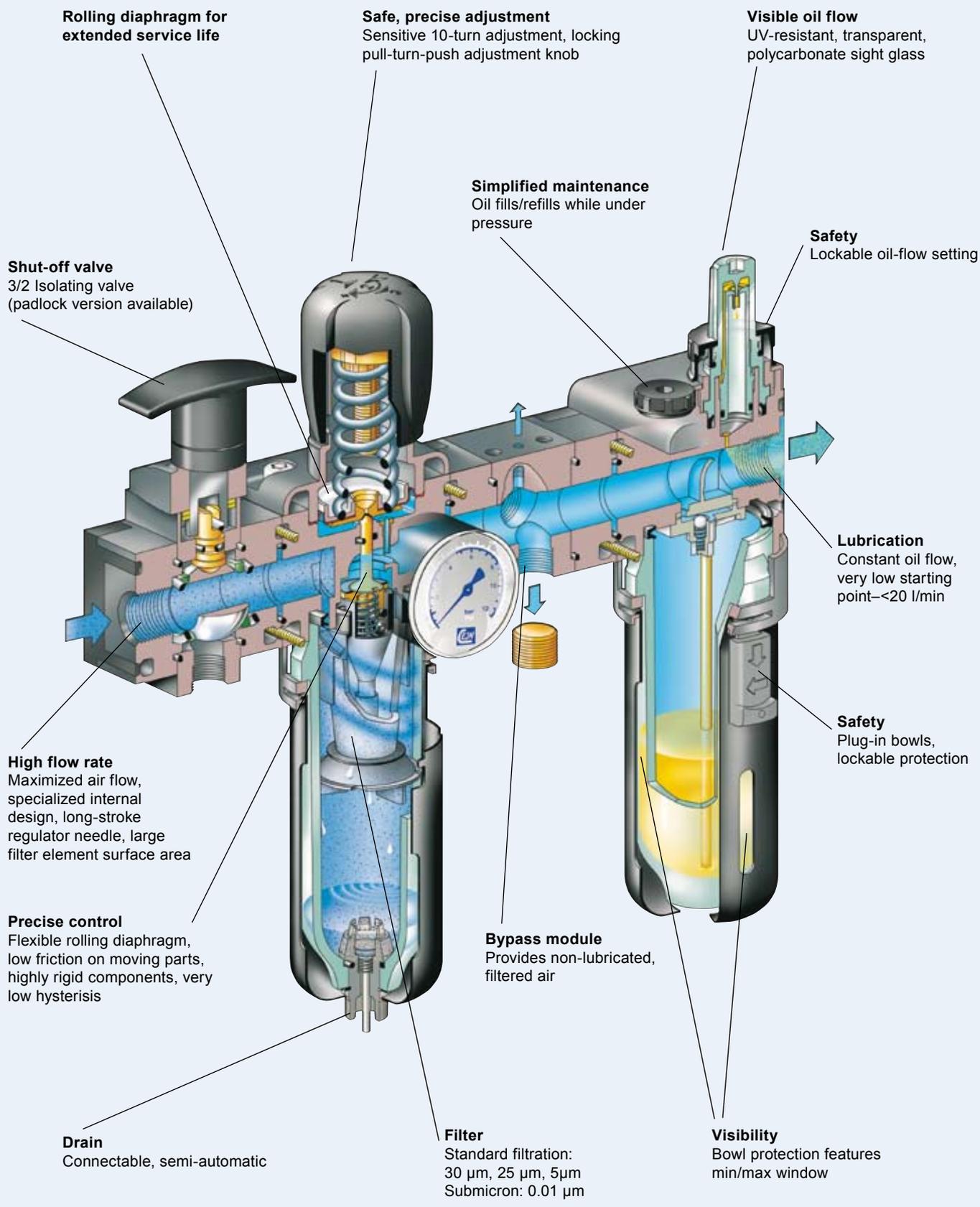
Advanced FRL Range Offers Numerous Connection Sizes

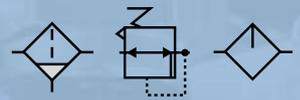
The CEJN Filtration, Regulation, and Lubrication (FRL) range offers quality products for ensuring reliable, compressed air performance. The range includes filters, regulators, filter regulators, lubricators, isolation valves, and bypasses.

CEJN FRL products are offered in 1/8-inch through 1-inch thread connection sizes. They are easy to assemble and maintain and can be top- or side-mounted. FRL products from CEJN combine what customers want most:

- **Wide Range** – The extensive product range ensures component compatibility.
- **High Flow Capacity** – CEJN filters provide maximum air flow, as a result of the large surface area of the filtering element, the long stroke of the regulator needle, and an optimized flow path.
- **Precision Regulation** – CEJN regulators ensure minimum pressure differential between set point and operating pressure, due to the low friction of moving parts, rigidity of components, and the flexibility of the rolling diaphragm. Hysteresis less than 0.2 bar can be achieved, regardless of upstream pressure.







FRL Systems

- Complete, pre-assembled sets
- Compact design
- Gauge included

CEJN FRL systems are designed to take the burden off of customers in selecting individual air-treatment products. They combine a filter, regulator, and lubricator in a ready-to-use set. The system concept also simplifies ordering procedures, since only one part number is required to order multiple products.

For details and technical data on system components, refer to the following pages.



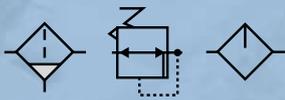
Filter/Regulator & Lubricator	Model	Part No.	Connection	Bowl Capacity (cl)	Max. Oil Capacity (cl)	Gauge Ø (mm)	Min. Flow (l/min / CFM)	Max. Flow (l/min / CFM)
	107	19 903 1602	G 1/4"	7	4	40	20 / 0.7	1300 / 45.9
	112	19 903 5604	G 3/8"	12	7	50	20 / 0.7	3000 / 105.9
	112	19 903 5605	G 1/2"	12	7	50	20 / 0.7	3000 / 105.9
	160	19 903 2607	G 3/4"	50	36	50	90 / 3.2	11000 / 388.4
	160	19 903 2609	G 1"	50	36	50	90 / 3.2	13500 / 476.7
	<p>Note: 107 and 112: 25 µm filtration, 160: 30 µm filtration</p>							

Filter/Regulator, Porting Block & Lubricator	Model	Part No.	Connection	Bowl Capacity (cl)	Max. Oil Capacity (cl)	Gauge Ø (mm)	Min. Flow (l/min / CFM)	Max. Flow (l/min / CFM)
	107	19 903 1612	G 1/4"	7	4	40	20 / 0.7	1300 / 45.9
	112	19 903 5614	G 3/8"	12	7	50	20 / 0.7	3000 / 105.9
	112	19 903 5615	G 1/2"	12	7	50	20 / 0.7	3000 / 105.9
	160	19 903 2617	G 3/4"	50	36	50	90 / 3.2	11000 / 388.4
	160	19 903 2619	G 1"	50	36	50	90 / 3.2	13500 / 476.7
	<p>Note: 107 and 112: 25 µm filtration, 160: 30 µm filtration</p>							

Filter, Regulator & Lubricator	Model	Part No.	Connection	Bowl Capacity (cl)	Max. Oil Capacity (cl)	Gauge Ø (mm)	Min. Flow (l/min / CFM)	Max. Flow (l/min / CFM)
	107	19 903 1622	G 1/4"	7	4	40	20 / 0.7	1300 / 45.9
	112	19 903 5624	G 3/8"	12	7	50	20 / 0.7	3000 / 105.9
	112	19 903 5625	G 1/2"	12	7	50	20 / 0.7	3000 / 105.9
	160	19 903 2627	G 3/4"	50	36	50	90 / 3.2	11000 / 388.4
	160	19 903 2629	G 1"	50	36	50	90 / 3.2	13500 / 476.7
	<p>Note: 107 and 112: 25 µm filtration, 160: 30 µm filtration</p>							

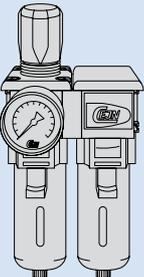
Flow capacity is measured at 8 bar (116 PSI) inlet pressure, with a set point at 6.3 bar (91.4 PSI) and pressure drop at 1 bar (14.5 PSI). Model 160 is measured at 12 bar (174 PSI) inlet pressure. Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.

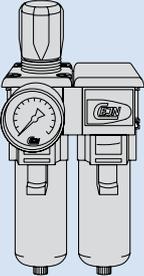


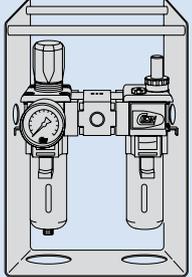


FRL Systems



Filter/Regulator 5 µm & Filter 0.01 µm	Model	Part No.	Connection	Bowl Capacity (cl)	Max. Oil Capacity (cl)	Gauge Ø (mm)	Min. Flow (l/min / CFM)	Max. Flow (l/min / CFM)
	112	19 903 5634	G 3/8"	12	-	50	20 / 0.7	1050 / 37.1
	112	19 903 5635	G 1/2"	12	-	50	20 / 0.7	1050 / 37.1

Filter/Regulator 5 µm & Filter 0.01 µm with metal bowl	Model	Part No.	Connection	Bowl Capacity (cl)	Max. Oil Capacity (cl)	Gauge Ø (mm)	Min. Flow (l/min / CFM)	Max. Flow (l/min / CFM)
	112	19 903 5654	G 3/8"	12	-	50	20 / 0.7	1050 / 37.1
	112	19 903 5655	G 1/2"	12	-	50	20 / 0.7	1050 / 37.1

Portable System – Filter, Regulator & Lubricator	Model	Part No.	Connection	Bowl Capacity (cl)	Max. Oil Capacity (cl)	Gauge Ø (mm)	Min. Flow (l/min / CFM)	Max. Flow (l/min / CFM)
	112	19 903 5645	G 1/2"	12	7	50	20 / 0.7	3000 / 105.9
<p><i>Note: 25 µm filtration</i></p>								

ACCESSORIES	Model 107	Model 112	Model 160
Side-mounting brackets	19 903 1510	19 903 5510	19 903 2510

Flow capacity is measured at 8 bar (116 PSI) inlet pressure, with a set point at 6.3 bar (91.4 PSI) and pressure drop at 1 bar (14.5 PSI). Model 160 is measured at 12 bar (174 PSI) inlet pressure. Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.





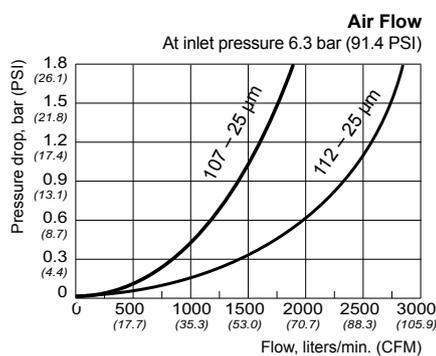
Filters

- **Excellent filtration of water and dirt**
- **Quick and easy removal and replacement of filter element**
- **Semi-automatic drain as standard**

CEJN filters offer high flow capacity and withstand up to 17.5 bar (253.8 PSI) inlet pressure. Features include a metal bowl protector, easily visible level indicators, and a compact modular construction. Filtration up to 99.9% can be achieved with a 0.01 µm filter.



For more technical data, see Page 62.

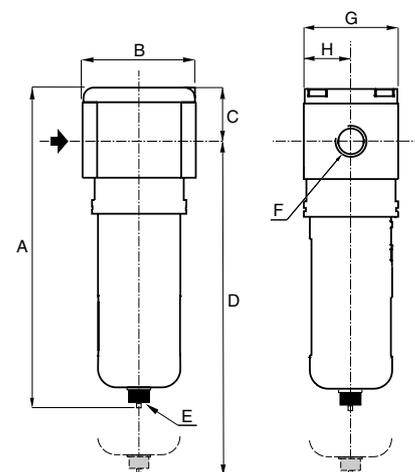


FILTERS	Model	Part No.	Connection	Bowl Capacity (cl)	Max. Flow (l/min / CFM)	Filtration (µm)
	107	19 903 1102	G 1/4"	7	1450 / 51.2	25
		19 903 1112	G 1/4"	7	1230 / 43.4	5
		19 903 1122	G 1/4"	7	700 / 24.7	0.01
	112	19 903 5104	G 3/8"	12	2400 / 84.8	25
		19 903 5114	G 3/8"	12	2040 / 72.0	5
		19 903 5105	G 1/2"	12	2400 / 84.8	25
		19 903 5115	G 1/2"	12	2040 / 72.0	5
		19 903 5125	G 1/2"	12	1050 / 37.1	0.01
	160	19 903 2107	G 3/4"	50	9000 / 317.8	30
19 903 2109		G 1"	50	9800 / 346	30	

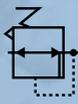
Note: In front of a 0.01 µm filter, the installation of a 5 µm filter is recommended using the special two-part kit below.

MODEL	A (mm)	B (mm)	C (mm)	D (mm)	E	F	G (mm)	H (mm)
107	159.5	42	25.5	190	G 1/8"	G 1/4"	42	40
112	191	66	30.5	221.5	G 1/8"	G 3/8", G 1/2"	55	46
160	245	90	30	325	6 mm	G 3/4", G 1"	94	47

ACCESSORIES	107	112	160
Two-part assembly kit	19 903 1500	19 903 5500	19 903 2500
Special two-part kit for 0.01 µm filter	19 903 1505	19 903 5505	—
Side-mounting brackets	19 903 1510	19 903 5510	19 903 2510
Automatic drain valve	19 903 1560	19 903 5560	19 903 2560



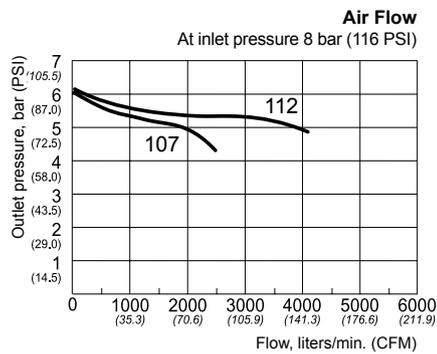
Flow capacity is measured at 6.3 bar (91.4 PSI) inlet pressure, and pressure drop at 1 bar (14.5 PSI). Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.



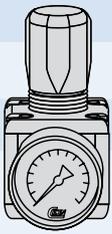
Regulators

- **High flow capacity**
- **Effortless, precise regulation**
- **Excellent hysteresis**

CEJN regulators feature a locking device, a flexible rolling diaphragm, and a gauge. A mini-version with thread connections down to 1/8-inch is available for use when space is limited.



For more technical data, see Page 62.

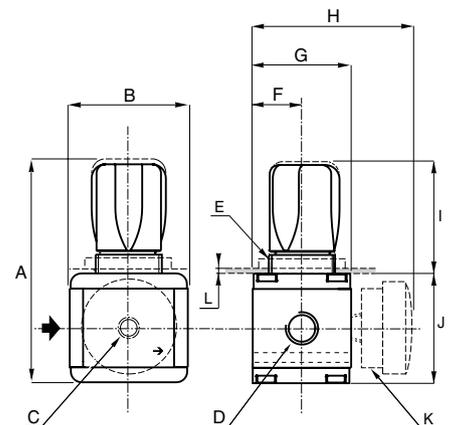
REGULATORS	Model	Part No.	Connection	Max. Inlet Pressure (bar / PSI)	Controlled Pressure (bar / PSI)	Max. Flow (l/min / CFM)
	Mini	19 903 8201	G 1/8"	12 / 174	0.5-10 / 7-145	500 / 17.6
		19 903 8202	G 1/4"	12 / 174	0.5-10 / 7-145	650 / 22.9
	107	19 903 1202	G 1/4"	16 / 232	0.5-10 / 7-145	1300 / 45.9
	112	19 903 5204	G 3/8"	16 / 232	0.5-10 / 7-145	3000 / 105.9
		19 903 5205	G 1/2"	16 / 232	0.5-10 / 7-145	3000 / 105.9
	160	19 903 2207	G 3/4"	17.5 / 253.8	0.5-12 / 7-174	12000 / 423.8
19 903 2209		G 1"	17.5 / 253.8	0.5-12 / 7-174	16500 / 459.0	

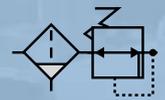
MODEL	A (mm)	B (mm)	C	D	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	L (mm)
Mini	74	45	G 1/8"	G 1/8", G 1/4"	20	40	71	37	39	3
107	104	42	G 1/8"	G 1/4"	21	42	76	53	51	2
112	125	66	G 1/8"	G 3/8", G 1/2"	27.5	55	87	64	61	2
160	182	90	G 1/8"	G 3/4", G 1"	47	94	126	97	85	5

ACCESSORIES	Mini	107	112	160
Two-part assembly kit	-	19 903 1500	19 903 5500	19 903 2500
Top-mounting ring and bracket	19 903 8511*	19 903 1511	19 903 5511	-
Side-mounting brackets	-	19 903 1510	19 903 5510	19 903 2510
Ø 40 mm gauge (0-12 bar/0-174 PSI)	19 903 1525	19 903 1525	19 903 1525	19 903 1525
Ø 50 mm gauge (0-12 bar/0-174 PSI)	19 903 1520	19 903 1520	19 903 1520	19 903 1520
Plug for gauge port 1/8"	19 903 1550	19 903 1550	19 903 1550	-

* Mounting ring is included with regulator.

Flow capacity is measured at 8 bar (116 PSI) inlet pressure, with a set point at 6.3 bar (91.4 PSI) and pressure drop at 1 bar (14.5 PSI). Model 160 is measured at 12 bar (174 PSI) inlet pressure. Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.





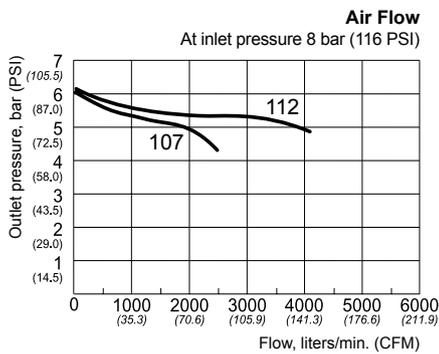
Filter/Regulators

- **Excellent filtration of water and dirt**
- **High flow capacity**
- **Excellent hysteresis**

CEJN filter/regulator units combine a filter, regulator, and gauge in one economical unit. The combination units withstand up to 17.5 bar (253.8 PSI) inlet pressure. Features include a metal bowl protector, easily visible level indicators, compact modular construction, flexible rolling diaphragm, and locking device.

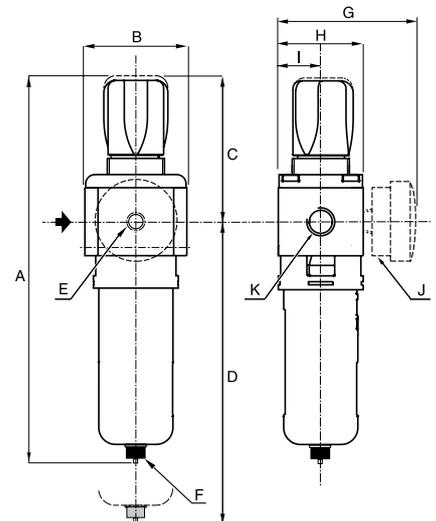


For more technical data, see Page 62.



FILTER / REGULATORS	Model	Part No.	Connection	Bowl Capacity (cl)	Filtration (µm)	Controlled Pressure (bar / PSI)	Max. Flow (l/min / CFM)
	107	19 903 1402	G 1/4"	7	25	0.5-10 / 7-145	1300 / 45.9
		19 903 1412	G 1/4"	7	5	0.5-10 / 7-145	1100 / 38.8
	112	19 903 5404	G 3/8"	12	25	0.5-10 / 7-145	3000 / 105.9
		19 903 5414	G 3/8"	12	5	0.5-10 / 7-145	2500 / 88.3
		19 903 5405	G 1/2"	12	25	0.5-10 / 7-145	3000 / 105.9
		19 903 5415	G 1/2"	12	5	0.5-10 / 7-145	2500 / 88.3
160	19 903 2407	G 3/4"	50	30	0.5-12 / 7-174	11000 / 388.4	
	19 903 2409	G 1"	50	30	0.5-12 / 7-174	15700 / 554.4	

MODEL	A (mm)	B (mm)	C (mm)	D (mm)	E	F	G (mm)	H (mm)	I (mm)	K
107	213	42	79	190	G 1/8"	G 1/8"	95	42	21	G 1/4"
112	251	66	94.5	221.5	G 1/8"	G 1/8"	105	55	27.5	G 3/8", G 1/2"
160	345	90	133	292	G 1/8"	6 mm	126	94	47	G 3/4", G 1"



ACCESSORIES	107	112	160
Two-part assembly kit	19 903 1500	19 903 5500	19 903 2500
Top-mounting ring and bracket	19 903 1511	19 903 5511	-
Side-mounting brackets	19 903 1510	19 903 5510	19 903 2510
Automatic drain valve	19 903 1560	19 903 5560	19 903 2560
Ø 40 mm gauge (0-12 bar/0-174 PSI)	19 903 1525	19 903 1525	19 903 1525
Ø 50 mm gauge (0-12 bar/0-174 PSI)	19 903 1520	19 903 1520	19 903 1520
Plug for gauge port 1/8"	19 903 1550	19 903 1550	-

Flow capacity is measured at 8 bar (116 PSI) inlet pressure, with a set point at 6.3 bar (91.4 PSI) and pressure drop at 1 bar (14.5 PSI). Model 160 is measured at 12 bar (174 PSI) inlet pressure. Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.



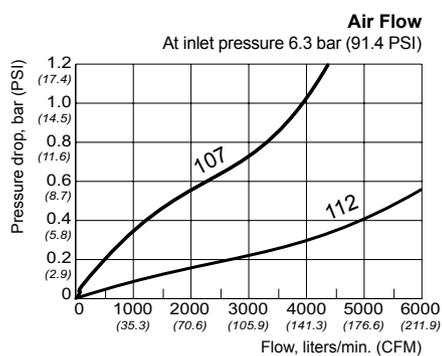
Lubricators

- **Lubrication corresponds accurately to variations or changes in air flow**
- **Refillable under pressure**
- **Easy adjustment**

CEJN lubricators can be adjusted easily without tools. Features include a lockable oil setting knob and a transparent sight glass offering visible oil flow from all directions. Models 112 and 160 are refillable under pressure.



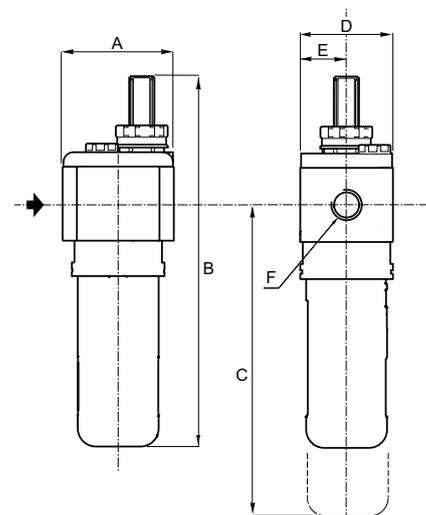
For more technical data, see Page 62.



LUBRICATORS	Model	Part No.	Connection	Bowl Capacity (cl)	Max. Oil Capacity (cl)	Min. Flow* (l/min / CFM)	Max. Flow (l/min / CFM)
	107	19 903 1302	G 1/4"	7	4	20 / 0.7	3500 / 123.6
	112	19 903 5304	G 3/8"	12	7	20 / 0.7	5500 / 194.2
		19 903 5305	G 1/2"	12	7	20 / 0.7	5500 / 194.2
	160	19 903 2307	G 3/4"	50	36	90 / 3.2	16000 / 554.4
		19 903 2309	G 1"	50	36	90 / 3.2	17700 / 625.1

* Minimum for lubricator startup

MODEL	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F
107	42	187	215	42	21	G 1/4"
112	66	215	243	55	27.5	G 3/8", G 1/2"
160	90	247	270	94	47	G 3/4", G 1"



ACCESSORIES	107	112	160
Two-part assembly kit	19 903 1500	19 903 5500	19 903 2500
Side-mounting brackets	19 903 1510	19 903 5510	19 903 2510
Lubricator Oil			
1 Liter	19 903 1571		
5 Liter	19 903 1570		
25 Liter	19 903 1597		

Flow capacity is measured at 6.3 bar (91.4 PSI) inlet pressure, and pressure drop at 1 bar (14.5 PSI). Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.



Technical Data

FRL PRODUCTS

FILTERS	Model 107	Model 112	Model 160
Media	Compressed air, neutral gas	Compressed air, neutral gas	Compressed air, neutral gas
Max. working pressure at 23°C (73.4°F)	16 bar (232 PSI)	16 bar (232 PSI)	17.5 bar (253.8 PSI)
Max. working pressure at 50°C (122°F)	10 bar (145 PSI)	10 bar (145 PSI)	12 bar (174 PSI)
Temperature range	0°C to +50°C (+32°F to +122°F)	0°C to +50°C (+32°F to +122°F)	0°C to +50°C (+32°F to +122°F)
Filtering capacity	25 µm / 5µm	25 µm / 5µm	30 µm
Filtering element	Polyethylene (PE)	Polyethylene (PE)	Sintered bronze
Body	Painted zamak	Painted zamak	Painted aluminium
Bowl	Polycarbonate (PC) resistant to UV, with protector	Polycarbonate (PC) resistant to UV, with protector	Metal with level window in Polypropylene (PP)
Bowl protector	With safety locking and condensate level view	With safety locking and condensate level view	–
Condensate drain	Semi-automatic	Semi-automatic	Pipeable semi-automatic

REGULATORS	Model Mini	Model 107	Model 112	Model 160
Media	Compressed air, neutral gas	Compressed air, neutral gas	Compressed air, neutral gas	Compressed air, neutral gas
Max. working pressure	12 bar (174 PSI)	16 bar (232 PSI)	16 bar (232 PSI)	17.5 bar (253.8 PSI)
Controlled pressure	0.5-10 bar (7-145 PSI)	0.5-10 bar (7-145 PSI)	0.5-10 bar (7-145 PSI)	0.5-12 bar (7-174 PSI)
Hysteresis	0.35 bar (5.1 PSI)	0.3 bar (4.4 PSI)	0.2 bar (2.9 PSI)	0.4 bar (5.8 PSI)
Temperature range	0°C to +50°C (+32°F to +122°F)	-10°C to +60°C (+14°F to +140°F)	-10°C to +60°C (+14°F to +140°F)	-10°C to +60°C (+14°F to +140°F)
Regulating device	Rolling diaphragm (very low hysteresis)	Rolling diaphragm (very low hysteresis)	Rolling diaphragm (very low hysteresis)	Diaphragm
Seal material	Nitrile	Nitrile	Nitrile	Nitrile
Body	Polymer	Painted zamak	Painted zamak	Painted aluminium

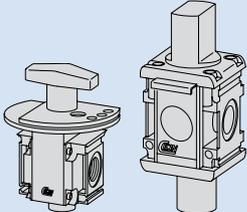
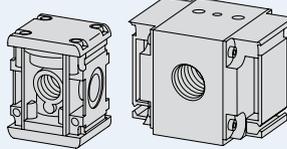
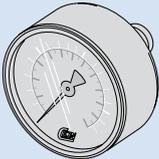
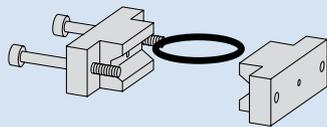
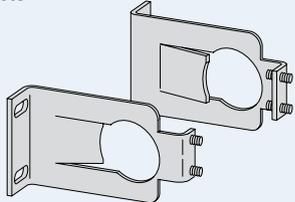
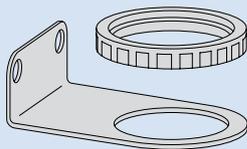
FILTER/REGULATORS	Model 107	Model 112	Model 160
Media	Compressed air, neutral gas	Compressed air, neutral gas	Compressed air, neutral gas
Max. working pressure at 23°C (73.4°F)	16 bar (232 PSI)	16 bar (232 PSI)	17.5 bar (253.8 PSI)
Max. working pressure at 50°C (122°F)	10 bar (145 PSI)	10 bar (145 PSI)	12 bar (174 PSI)
Controlled pressure	0.5-10 bar (7-145 PSI)	0.5-10 bar (7-145 PSI)	0.5-12 bar (7-174 PSI)
Hysteresis	0.3 bar (4.4 PSI)	0.2 bar (2.9 PSI)	0.4 bar (5.8 PSI)
Temperature range	0°C to +50°C (+32°F to +122°F)	0°C to +50°C (+32°F to +122°F)	0°C to +50°C (+32°F to +122°F)
Regulating device	Rolling diaphragm	Rolling diaphragm (very low hysteresis)	Rolling diaphragm (very low hysteresis)
Filtering element	Polyethylene (PE)	Polyethylene (PE)	Sintered bronze
Body	Painted zamak	Painted zamak	Painted aluminium
Bowl	Polycarbonate (PC) resistant to UV	Polycarbonate (PC) resistant to UV	Metal with level window in Polypropylene (PP)
Bowl protector	With safety locking and condensate level view	With safety locking and condensate level view	–
Seal material	Nitrile	Nitrile	Nitrile
Condensate drain	Semi-automatic	Semi-automatic	Pipeable semi-automatic

LUBRICATORS	Model 107	Model 112	Model 160
Media	Compressed air, neutral gas	Compressed air, neutral gas	Compressed air, neutral gas
Max. inlet pressure at 23°C (73.4°F)	12 bar (174 PSI)	12 bar (174 PSI)	17.5 bar (253.8 PSI)
Max. inlet pressure at 50°C (122°F)	10 bar (145 PSI)	10 bar (145 PSI)	12 bar (174 PSI)
Temperature range	0°C to +50°C (+32°F to +122°F)	0°C to +50°C (+32°F to +122°F)	0°C to +50°C (+32°F to +122°F)
Lubrication	Selective oil fog	Selective oil fog	Selective oil fog
Lubrication oil	Non-detergent without aggressive additives	Non-detergent without aggressive additives	Non-detergent without aggressive additives
Oil refilling	Unpressurized	Pressurized	Pressurized
Body	Painted zamak	Painted zamak	Painted aluminium
Bowl	Polycarbonate (PC) resistant to UV	Polycarbonate (PC) resistant to UV	Metal with level window in Polypropylene (PP)
Bowl protector	With safety locking and condensate level view	With safety locking and condensate level view	–



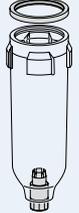
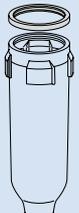
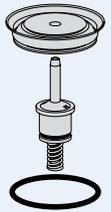
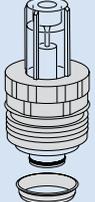
Accessories & Spare Parts

FRL PRODUCTS

FRL	Model	Part No.	
Ball Valves 	Shut off and vent the secondary side (G 1/4" exhaust port) during service and maintenance procedures Max. working pressure 17.5 bar (253.8 PSI)		
	107	Shut-off valve, G 1/4" (padlockable)	19 903 1532
	112	Shut-off valve, G 3/8"	19 903 5534
		Shut-off valve, G 3/8" (padlockable)	19 903 5554
		Shut-off valve, G 1/2"	19 903 5535
		Shut-off valve, G 1/2" (padlockable)	19 903 5555
Porting Blocks 	Designed with one, two, or three outlet ports, in addition to the main body Max. working pressure 16 bar (232 PSI)		
	107	Porting block G 1/4" with two G 1/8" bypass ports	19 903 1952
	112	Porting block G 3/8" with three G 3/8" bypass ports	19 903 5954
	160	Porting block G 1/2" with three G 3/8" bypass ports	19 903 5955
	Porting block with one G 1/2" bypass port	19 903 2955	
Gauges 	Measure pressure from 0 to 12 bar (0-174 PSI)		
	Mini / 107	Ø 40 mm pressure gauge 0-12 bar / 0-174 PSI	19 903 1525
		Ø 40 mm pressure gauge 0-4 bar / 0-58 PSI	19 903 1526
	112 / 160	Ø 50 mm pressure gauge 0-12 bar / 0-174 PSI	19 903 1520
	Ø 50 mm pressure gauge 0-16 bar / 0-232 PSI	19 903 1521	
Plug 1/8" 	Mini / 107 / 112 Plug for gauge port 1/8"	19 903 1550	
Two-part Assembly Kit 	Used to mount components in line		
	107	Two-part assembly kit special for 0.01 µm filter	19 903 1505
		Two-part assembly kit	19 903 1500
	112	Two-part assembly kit special for 0.01µm filter	19 903 5505
	Two-part assembly kit	19 903 5500	
160	Two-part assembly kit	19 903 2500	
Brackets 	Used to mount components on a wall, etc.		
	107	Side-mounting brackets	19 903 1510
	112	Side-mounting brackets	19 903 5510
160	Side-mounting brackets	19 903 2510	
Top-mounting Ring 	Used along with brackets to mount regulators and filter/regulators on a wall		
	Mini	Top-mounting bracket (ring included in regulator)	19 903 8511
	107	Top-mounting ring and bracket	19 903 1511
112	Top-mounting ring and bracket	19 903 5511	

Accessories & Spare Parts

FRL PRODUCTS

FRL	Model	Part No.	
Automatic drain		Floating valve opener	
		107 Automatic drain valve	19 903 1560
		160 Automatic drain valve	19 903 2560
		112 Automatic drain valve	19 903 5560
Lubricating oil		CEJN Lubricator Oil, 1 liter	19 903 1571
		CEJN Lubricator Oil, 5 liters	19 903 1570
		CEJN Lubricator Oil, 25 liters	19 903 1597
Sub-assembled filter		Color-coded filter elements	
		107 Sub-assembled filter element 25 µm	 19 903 1540
		Sub-assembled filter element 5 µm	 19 903 1541
		Sub-assembled filter element 0.01 µm	 19 903 1542
		112 Sub-assembled filter element 25 µm	 19 903 5540
		Sub-assembled filter element 5 µm	 19 903 5541
Sub-assembled filter element 0.01 µm	 19 903 5542		
Bowl for filter		Bowl for filter with semi-automatic drain	
		107 Polycarbonate bowl	19 903 1900
		112 Polycarbonate bowl	19 903 5900
		Metal bowl	19 903 5903
Polyamide bowl (for use in solvent-charged environments)	19 903 5904		
Bowl for lubricator		107 Polycarbonate bowl	19 903 1901
		112 Polycarbonate bowl	19 903 5901
		Polyamide bowl (for use in solvent-charged environments)	19 903 5905
Moving parts for regulator		107 Moving parts for regulator	19 903 1902
		112 Moving parts for regulator	19 903 5902
Polycarbonate cover for lubricator		Polycarbonate cover, internal and external, visualization cover for lubricator 107 / 112 Polycarbonate cover	19 903 5906



Complementary Products

Multi-Vac Fluid Evacuator

- **Easy to use**
- **Portable**
- **Quick drainage**

The CEJN Multi-Vac system quickly evacuates all types of non-explosive fluids by creating a vacuum that is generated by a compressed air supply. Fluid drains via a threaded, universal drain valve at the base of the unit. The system weighs less than 2.5 kg (5 lbs), making it extremely mobile and easy to use. The unit comes fully equipped with suction hose and tubes.



Part No.	Connection Thread	Working Pressure	Max. Air Consumption	Suction Capacity	Canister Capacity
19 912 0100	G 1/4" female	5.5 to 12 bar (80 to 174 PSI)	160 l/min. (5.6 CFM) at 6 bar (87 PSI)	Up to 5 l/min. (1.1 GPM UK)	2.5 l. (0.55 gl UK)
19 912 0150	NPT 1/4" female	5.5 to 12 bar (80 to 174 PSI)	160 l/min. (5.6 CFM) at 6 bar (87 PSI)	Up to 5 l/min. (1.1 GPM UK)	2.5 l. (0.55 gl UK)

Sprayer Kit

- **Infinite, variable fluid control**
- **Compatible with many liquids**
- **Light, compact design**

The CEJN Sprayer Kit includes a blowgun that can be detached and used separately. The nozzle is designed to spray a full, dense mist for optimum cleaning. Fluid flow and fluid/air mixture can be easily adjusted. The OSHA-compliant spray nozzle bowl makes the product safe to use.



Part No.	Connection Thread	Max. Working Pressure	Canister Capacity
11 208 3180	G 1/4" female	16 bar (232 PSI)	1.2 l (0.26 gl UK)

Compact Pressure Tester

- **Easy to use**
- **Convenient way to spot-check pressure**
- **Lightweight**

The CEJN Compact Pressure Tester provides a fast method to measure system outlet pressure and ensure air systems are working to specifications. The Pressure Tester also can be used to adjust the regulator during usage, as well as to locate and diagnose pressure differences.



Part No.	Fits	Pressure Range
19 900 9120	CEJN 300	0-10 bar (0-145 PSI)
19 900 9110	CEJN 310	0-10 bar (0-145 PSI)
19 900 9100	CEJN 320	0-10 bar (0-145 PSI)

Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.

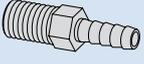
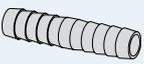


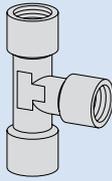
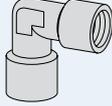
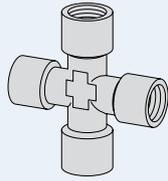
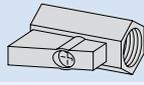
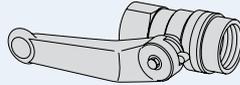
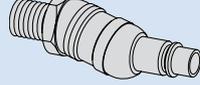
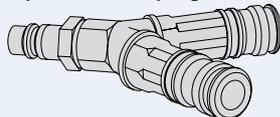
Adapters

CONNECTORS, ADAPTERS, BUSHINGS, & PLUGS

A wide range of hose connectors; male-to-male adapters; bushings; plugs; cross, T-, L-, and Y-pieces; and ball valves for maximum flexibility in a variety of applications.

Max. working pressure 35 bar (508 PSI)

ADAPTERS	Part No.	Connection	
Male to hose 	19 900 0211	R 1/8" - 5 mm (3/16")	
	19 900 0212	R 1/8" - 6.3 mm (1/4")	
	19 900 0221	R 1/4" - 5 mm (3/16")	
	19 900 0222	R 1/4" - 6.3 mm (1/4")	
	19 900 0223	R 1/4" - 8 mm (5/16")	
	19 900 0224	R 1/4" - 10 mm (3/8")	
	19 900 0225	R 1/4" - 13 mm (1/2")	
	19 900 0232	R 3/8" - 6.3 mm (1/4")	
	19 900 0233	R 3/8" - 8 mm (5/16")	
	19 900 0234	R 3/8" - 10 mm (3/8")	
	19 900 0235	R 3/8" - 13 mm (1/2")	
	19 900 0242	R 1/2" - 6.3 mm (1/4")	
	19 900 0243	R 1/2" - 8 mm (5/16")	
	19 900 0244	R 1/2" - 10 mm (3/8")	
	19 900 0245	R 1/2" - 13 mm (1/2")	
	19 900 0246	R 1/2" - 16 mm (5/8")	
	19 900 0247	R 1/2" - 19 mm (3/4")	
	19 900 0254	R 3/4" - 10 mm (3/8")	
	19 900 0255	R 3/4" - 13 mm (1/2")	
	19 900 0256	R 3/4" - 16 mm (5/8")	
19 900 0257	R 3/4" - 19 mm (3/4")		
Hose to hose 	19 900 0262	1/4" - 6.3 mm (1/4")	
	19 900 0264	3/8" - 10 mm (3/8")	
	19 900 0265	1/2" - 13 mm (1/2")	
Male to male 	19 900 1210	G 1/8" - G 1/8"	
	19 900 1211	G 1/4" - G 1/8"	
	19 900 1212	G 1/4" - G 1/4"	
	19 900 1214	G 1/4" - G 3/8"	
	19 900 1215	G 1/4" - G 1/2"	
	19 900 1220	G 3/8" - G 1/8"	
	19 900 1224	G 3/8" - G 3/8"	
	19 900 1225	G 3/8" - G 1/2"	
	19 900 1227	G 3/8" - G 3/4"	
	19 900 1229	G 1/2" - G 3/4"	
	19 900 1235	G 1/2" - G 1/2"	
	19 900 1249	G 3/4" - G 3/4"	
	Male to female 	19 900 2201	G 1/8" - G 1/8"
		19 900 2202	G 1/8" - G 1/4"
19 900 2204		G 1/8" - G 3/8"	
19 900 2212		G 1/4" - G 1/4"	
19 900 2214		G 1/4" - G 3/8"	
19 900 2224		G 3/8" - G 3/8"	
19 900 2225		G 3/8" - G 1/2"	
19 900 2235		G 1/2" - G 1/2"	
19 900 2237	G 1/2" - G 3/4"		
Reducing male to female 	19 900 3211	G 1/4" - G 1/8"	
	19 900 3221	G 3/8" - G 1/8"	
	19 900 3222	G 3/8" - G 1/4"	
	19 900 3232	G 1/2" - G 1/4"	
	19 900 3234	G 1/2" - G 3/8"	
	19 900 3244	G 3/4" - G 3/8"	
	19 900 3245	G 3/4" - G 1/2"	
Male plug 	19 900 4302	G 1/4"	
	19 900 4304	G 3/8"	
	19 900 4305	G 1/2"	
	19 900 4307	G 3/4"	

ADAPTERS	Part No.	Connection
T-piece 	Female/Female/Female	19 900 5302 G 1/4"
		19 900 5304 G 3/8"
		19 900 5305 G 1/2"
		19 900 5309 G 1"
		19 900 5322 G 1/4"
	Female/Male/Female	19 900 5324 G 3/8"
		19 900 5325 G 1/2"
	Female/Female/Male	19 900 5332 G 1/4"
		19 900 5334 G 3/8"
		19 900 5335 G 1/2"
L-piece 	Male/Male	19 900 5361 G 1/8"
		19 900 5362 G 1/4"
		19 900 5364 G 3/8"
		19 900 5365 G 1/2"
	Female/Female	19 900 5371 G 1/8"
		19 900 5372 G 1/4"
		19 900 5374 G 3/8"
		19 900 5375 G 1/2"
		19 900 5379 G 1"
	Male/Female	19 900 5382 G 1/4"
	19 900 5384 G 3/8"	
	19 900 5385 G 1/2"	
Y-piece 	Female/Female/Female	19 900 5916 G 1/4"
		19 900 5912 G 3/8"
		19 900 5902 G 1/2"
	Female/Male/Female	19 900 5920 G 1/4"
		19 900 5921 G 3/8"
	19 900 5925 G 1/2"	
Cross piece 	Female/Female/ Female/Female	19 900 5906 G 1/8"
		19 900 5905 G 1/4"
		19 900 5904 G 3/8"
	Male/Female/ Female/Male	19 900 5903 G 1/2"
		19 900 5932 G 1/4"
		19 900 5934 G 3/8"
	19 900 5935 G 1/2"	
Ball valve – Small 	Female/Female	19 900 9501 G 1/8"
	Max. working pressure 10 bar (145 PSI)	19 900 9502 G 1/4"
Ball valve – Large 	Female/Female	19 900 9504 G 3/8"
	Max. working pressure 30 bar (435 PSI)	19 900 9505 G 1/2"
		19 900 9507 G 3/4"
Free angle 	Female/Male	19 900 2622 RC 1/4" - R 1/4"
	Male/Nipple	10 320 5183 R 1/4" - CEJN 320
Y-piece with couplings 		10 310 5901 CEJN 310
		10 320 9200 CEJN 320

Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.



Pneumatic Products that Promote a Safe Workplace

A first and foremost concern must be safety in our workplace. Establishing a safe place to work is particularly important in environments in which compressed air systems are used. Because these systems are extremely forceful, implementing safety awareness programs and taking all necessary measures to prevent accidents are critical.

Compressed air has the potential to cause serious injuries. These injuries are primarily due to the force of the air itself and resultant flying debris and materials.

Taking care with compressed air is so important, in fact, that such agencies as the International Organization For Standardization (ISO), Comité Européen de Normalisation (CEN), U.S. Department of Labor Occupational Safety & Health Administration (OSHA), Schweizerische Unfall Versicherungs Anstalt (SUVA), and Berufsgenossenschaftliches Institut für Arbeitsschutz (BIA), have established numerous directives and standards involving compressed air use and equipment and components.





CEJN believes so strongly in workplace safety that its pneumatics line includes several products that are specially designed to protect individuals from harm by guarding against workplace injuries.

Industry standards are utilized as the fundamental framework for the development of CEJN pneumatic products with safety-related designs.

Each safety-related product is manufactured with the intent to comply with applicable federal regulations regarding safety requirements in order to achieve CEJN's strategic objective: providing pneumatic products that promote a safe workplace.

CEJN Safety-related Designs

CEJN offers numerous products that promote the use of compressed air in a safe manner, including:

- ***Vented safety couplings with recoil dampening***
 - Disconnect in two stages, in order to vent the coupling, minimize the risk of component separation reduce noise, and prevent recoil accidents; available in several connections, as well as Soft-Line and Multi-Link versions
- ***Couplings with added locking feature*** – Require operator to deliberately disengage the nipple from the coupling, preventing unintentional disconnection
- ***Anti-hose whip nipples with recoil dampening***
 - Include a non-return valve that vents downstream pressure when disconnected and reduces noise; secure hose ends to prevent whipping of hose that may occur upon disconnection
- ***Hose kits*** – Include vented safety couplings installed on spiral or straight braided hose in a complete safety package
- ***Blowgun with regulator*** – Reduces output pressure to a safe level (2 bar/30 PSI) when dead-ended
- ***Blowgun with Star-Tip*** – Reduces noise levels down to 85 dB(a) or less; diverts air when dead-ended, preventing pressures exceeding 2 bar (30 PSI)
- ***Hose and cable reels*** – Keep hose and cable off the floor, where they can cause personnel to trip and fall

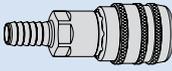
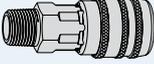
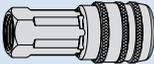
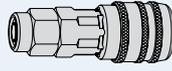
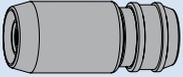


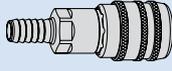
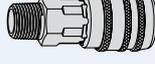
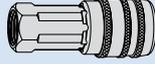
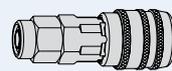
Vented Safety Couplings

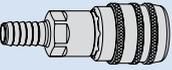
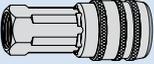
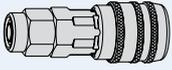
PREVENT RECOIL ACCIDENTS

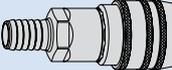
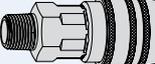
Products for a safer working environment



SERIES 300 (Page 10)		Part No.	Connection
Hose connection 		10 300 3002	6.3 mm (1/4")
		10 300 3003	8 mm (5/16")
		10 300 3004	10 mm (3/8")
		10 300 3005	13 mm (1/2")
Male thread 		10 300 3152	R 1/4"
		10 300 3154	R 3/8"
		10 300 3155	R 1/2"
		10 300 3452	NPT 1/4"
		10 300 3454	NPT 3/8"
		10 300 3455	NPT 1/2"
Female thread 		10 300 3202	G 1/4"
		10 300 3204	G 3/8"
		10 300 3205	G 1/2"
		10 300 3402	NPT 1/4"
		10 300 3404	NPT 3/8"
		10 300 3405	NPT 1/2"
Stream-Line connection 		10 300 3060	6.5 x 10 mm
		10 300 3062	8 x 12 mm
		10 300 3063	9.5 x 13.5 mm
		10 300 3066	11 x 16 mm
Soft-Line (Page 26) 	Stream-Line connection	10 300 3080	6.5 x 10 mm
		10 300 3082	8 x 12 mm
Multi-Link (Page 30) Center module Outlet module		19 902 1061	
		19 902 2061	G 1/2"
		19 902 2066	NPT 1/2"

SERIES 310 (Page 13)		Part No.	Connection
Hose connection 		10 310 3002	6 mm (1/4")
		10 310 3003	8 mm (5/16")
		10 310 3004	10 mm (3/8")
		10 310 3005	13 mm (1/2")
Male thread 		10 310 3152	R 1/4"
		10 310 3154	R 3/8"
		10 310 3155	R 1/2"
		10 310 3452	NPT 1/4"
		10 310 3454	NPT 3/8"
		10 310 3455	NPT 1/2"
Female thread 		10 310 3202	G 1/4"
		10 310 3204	G 3/8"
		10 310 3205	G 1/2"
		10 310 3402	NPT 1/4"
		10 310 3404	NPT 3/8"
		10 310 3405	NPT 1/2"
Stream-Line connection 		10 310 3060	6.5 x 10 mm
		10 310 3062	8 x 12 mm
		10 310 3063	9.5 x 13.5 mm
Soft-Line (Page 26) 	Stream-Line connection	10 310 3080	6.5 x 10 mm
		10 310 3082	8 x 12 mm
Multi-Link (Page 30) Center module Outlet module		19 902 1071	
		19 902 2071	G 1/2"
		19 902 2076	NPT 1/2"

SERIES 320 (Page 16)		Part No.	Connection
Hose connection 		10 320 3002	6.3 mm (1/4")
		10 320 3003	8 mm (5/16")
		10 320 3004	10 mm (3/8")
		10 320 3005	13 mm (1/2")
Male thread 		10 320 3152	R 1/4"
		10 320 3154	R 3/8"
		10 320 3155	R 1/2"
		10 320 3452	NPT 1/4"
		10 320 3454	NPT 3/8"
		10 320 3455	NPT 1/2"
Female thread 		10 320 3202	G 1/4"
		10 320 3204	G 3/8"
		10 320 3205	G 1/2"
		10 320 3402	NPT 1/4"
		10 320 3404	NPT 3/8"
		10 320 3405	NPT 1/2"
Stream-Line connection 		10 320 3060	6.5 x 10 mm
		10 320 3062	8 x 12 mm
		10 320 3063	9.5 x 13.5 mm
		10 320 3066	11 x 16 mm
Soft-Line (Page 26) 	Stream-Line connection	10 320 3080	6.5 x 10 mm
		10 320 3082	8 x 12 mm
Multi-Link (Page 30) Center module Outlet module		19 902 1081	
		19 902 2081	G 1/2"
		19 902 2086	NPT 1/2"

SERIES 410 (Page 20)		Part No.	Connection
Hose connection 		10 410 3005	13 mm (1/2")
		10 410 3006	16 mm (5/8")
		10 410 3007	19 mm (3/4")
Male thread 		10 410 3155	R 1/2"
		10 410 3157	R 3/4"
Female thread 		10 410 3204	G 3/8"
		10 410 3205	G 1/2"
Stream-Line connection 		10 410 3066	11 x 16 mm
SERIES 550 (Page 24)		Part No.	Connection
Male thread 		10 550 3155	R 1/2"
		10 550 3157	R 3/4"
		10 550 3454	NPT 3/8"
		10 550 3455	NPT 1/2"
		10 550 3457	NPT 3/4"
Female thread 		10 550 3205	G 1/2"
		10 550 3207	G 3/4"
		10 550 3404	NPT 3/8"
		10 550 3405	NPT 1/2"
		10 550 3407	NPT 3/4"

Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.



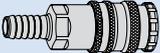


Safety Lock Couplings

PREVENT UNINTENTIONAL DISCONNECTIONS

Products for a safer working environment



SERIES 342 (Page 18)	Part No.	Connection
Hose connection 	10 342 1002	6.3 mm (1/4")
	10 342 1003	8 mm (5/16")
	10 342 1004	10 mm (3/8")
	10 342 1005	13 mm (1/2")
	Male thread 	10 342 1152
10 342 1154		R 3/8"
10 342 1155		R 1/2"
10 342 1452		NPT 1/4"
10 342 1454		NPT 3/8"
10 342 1455		NPT 1/2"
Female thread 	10 342 1202	G 1/4"
	10 342 1204	G 3/8"
	10 342 1205	G 1/2"
	10 342 1402	NPT 1/4"
	10 342 1404	NPT 3/8"
	10 342 1405	NPT 1/2"
Stream-Line connection 	10 342 1060	6.5 x 10 mm
	10 342 1062	8 x 12 mm

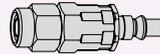
SERIES 442 (Page 23)	Part No.	Connection
Hose connection 	10 442 1003	8 mm (5/16")
	10 442 1004	10 mm (3/8")
	10 442 1005	13 mm (1/2")
	10 442 1006	16 mm (5/8")
	10 442 1007	19 mm (3/4")
Male thread 	10 442 1154	R 3/8"
	10 442 1155	R 1/2"
	10 442 1157	R 3/4"
	10 442 1454	NPT 3/8"
	10 442 1455	NPT 1/2"
	10 442 1457	NPT 3/4"
Female thread 	10 442 1204	G 3/8"
	10 442 1205	G 1/2"
	10 442 1207	G 3/4"
	10 442 1404	NPT 3/8"
	10 442 1405	NPT 1/2"
	10 442 1407	NPT 3/4"

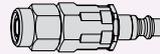
Anti-hose Whip Nipples

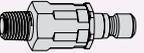
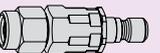
PREVENT RECOIL ACCIDENTS

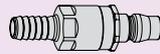
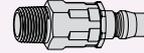
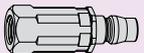
Products for a safer working environment



SERIES 300 (Page 10)	Part No.	Connection
Hose connection 	10 300 8003	8 mm (5/16")
	10 300 8004	10 mm (3/8")
Stream-Line connection 	10 300 8060	6 x 10 mm
	10 300 8062	8 x 12 mm

SERIES 310 (Page 13)	Part No.	Connection
Hose connection 	10 310 8003	8 mm (5/16")
	10 310 8004	10 mm (3/8")
Stream-Line connection 	10 310 8060	6.5 x 10 mm
	10 310 8062	8 x 12 mm

SERIES 303 (Page 12)	Part No.	Connection
Hose connection 	10 303 8002	6.3 mm (1/4")
	10 303 8003	8 mm (5/16")
	10 303 8004	10 mm (3/8")
	10 303 8005	13 mm (1/2")
	Male thread 	10 303 8152
Stream-Line connection 	10 303 8060	6.5 x 10 mm
	10 303 8062	8 x 12 mm
	10 303 8066	11 x 16 mm

SERIES 315 (Page 15)	Part No.	Connection
Hose connection 	10 315 8012	6.3 mm (1/4")
	10 315 8013	7 mm (9/32")
	10 315 8014	10 mm (3/8")
	10 315 8015	13 mm (1/2")
	Male thread 	10 315 8152
10 315 8154		R 3/8"
10 315 8452		NPT 1/4"
Female thread 	10 315 8102	Rc 1/4"
	10 315 8452	NPT 1/4"
Stream-Line connection 	10 315 8068	5 x 8 mm
	10 315 8070	6.5 x 10 mm
	10 315 8072	8 x 12 mm
	10 315 8076	11 x 16 mm

Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.

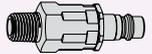
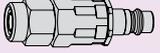


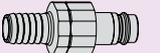
Anti-hose Whip Nipples

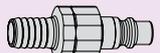
PREVENT RECOIL ACCIDENTS

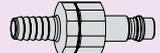
Products for a safer working environment

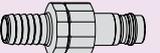


SERIES 320 (Page 16)	Part No.	Connection
Hose connection 	10 320 8002	6.3 mm (1/4")
	10 320 8003	8 mm (5/16")
	10 320 8004	10 mm (3/8")
	10 320 8005	13 mm (1/2")
Male thread 	10 320 8152	R 1/4"
Stream-Line connection 	10 320 8060	6.5 x 10 mm
	10 320 8062	8 x 12 mm
	10 320 8063	9.5 x 13.5 mm
	10 320 8066	11 x 16 mm

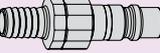
SERIES 410 (Page 20)	Part No.	Connection
Hose connection 	10 410 8004	10 mm (3/8")
	10 410 8005	13 mm (1/2")
	10 410 8006	16 mm (5/8")
	10 410 8007	19 mm (3/4")

SERIES 430 (Page 22)	Part No.	Connection
Hose connection 	10 430 8005	13 mm (1/2")
	10 430 8007	19 mm (3/4")

SERIES 342 (Page 18)	Part No.	Connection
Hose connection 	10 342 8004	10 mm (3/8")
	10 342 8005	13 mm (1/2")

SERIES 442 (Page 23)	Part No.	Connection
Hose connection 	10 442 8004	10 mm (3/8")
	10 442 8005	13 mm (1/2")
	10 442 8006	16 mm (5/8")
	10 442 8007	19 mm (3/4")

SERIES 408 (Page 19)	Part No.	Connection
Hose connection 	10 408 8004	10 mm (3/8")
	10 408 8005	13 mm (1/2")
	10 408 8006	16 mm (5/8")
	10 408 8007	19 mm (3/4")

SERIES 550 (Page 24)	Part No.	Connection
Hose connection 	10 550 8005	13 mm (1/2")
	10 550 8007	19 mm (3/4")

Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.

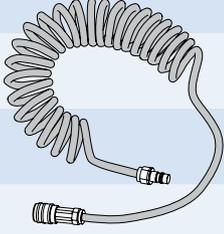
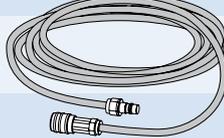


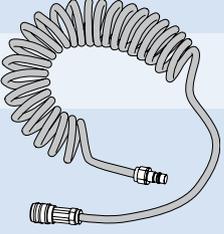
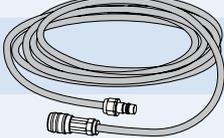
Hose Kits

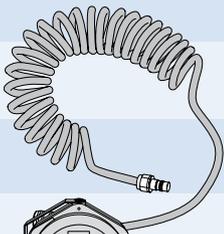
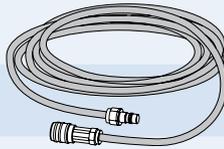
WITH VENTED SAFETY COUPLINGS

Products for a safer working environment



SERIES 300 (Page 34)	Length	ID x OD (mm)	Vented
Spiral 	2 m	6.5 x 10	19 958 9739
	4 m	6.5 x 10 8 x 12	19 958 9740 19 958 9712
	6 m	6.5 x 10 8 x 12	19 958 9741 19 958 9713
	8 m	6.5 x 10 8 x 12	19 958 9742 19 958 9714
Straight Braided 	10 m	6.5 x 10 8 x 12	19 958 9793 19 958 9704
	15 m	8 x 12	19 958 9705
	20 m	8 x 12	19 958 9796

SERIES 310 (Page 35)	Length	ID x OD (mm)	Vented
Spiral 	4 m	8 x 12	19 958 9709
	6 m	8 x 12	19 958 9710
	8 m	6.5 x 10 8 x 12 11 x 16	19 958 9733 19 958 9711 19 958 9788
	Straight Braided 	5 m	8 x 12
	10 m	8 x 12	19 958 9701
	15 m	8 x 12	19 958 9702

SERIES 320 (Page 36)	Length	ID x OD (mm)	Vented
Spiral 	2 m	6.5 x 10	19 958 9763
		8 x 12	19 958 9762
		11 x 16	19 958 9767
	4 m	6.5 x 10	19 958 9764
		8 x 12	19 958 9706
11 x 16		19 958 9768	
6 m	6.5 x 10	19 958 9765	
	8 x 12	19 958 9707	
	11 x 16	19 958 9769	
8 m	6.5 x 10	19 958 9766	
	8 x 12	19 958 9708	
	11 x 16	19 958 9770	
Straight Braided 	5 m	8 x 12	19 958 9897
	10 m	6.5 x 10	19 958 9771
		8 x 12	19 958 9898
		11 x 16	19 958 9738
	15 m	6.5 x 10	19 958 9772
		8 x 12	19 958 9899
11 x 16		19 958 9775	
20 m	6.5 x 10	19 958 9773	
	8 x 12	19 958 9774	
	11 x 16	19 958 9776	

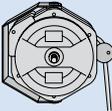
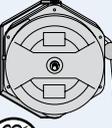
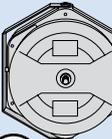


Hose and Cable Reels

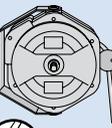
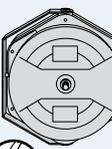
UNCLUTTER PRODUCTION AREAS

Products for a safer working environment



COMPRESSED AIR (Page 48)	Part No.	Size ID x OD (mm)	Connection (male)	Diameter (mm)	Weight (kg)	Working Pressure (20° C, 68° F)	
	7 meter	19 911 5020	8 x 12	R 1/4"	330	3.9	16 bar / 232 PSI
		19 911 5021	8 x 12	NPT 1/4"	330	3.9	16 bar / 232 PSI
	9 meter	19 911 5010	6.5 x 10	R 1/4"	330	3.9	16 bar / 232 PSI
		19 911 5011	6.5 x 10	NPT 1/4"	330	3.9	16 bar / 232 PSI
	10 meter	19 911 1000	8 x 12	R 1/4"	390	5.5	16 bar / 232 PSI
		19 911 5001	8 x 12	NPT 1/4"	390	5.5	16 bar / 232 PSI
	10 meter	19 911 5130	11.0 x 16.0	R 1/2"	430	6.6	12 bar / 174 PSI
		19 911 5131	11.0 x 16.0	NPT 1/2"	430	6.6	12 bar / 174 PSI
	14 meter	19 911 5120	9.5 x 13.5	R 1/4"	430	6.3	12 bar / 174 PSI
		19 911 5121	9.5 x 13.5	NPT 1/4"	430	6.3	12 bar / 174 PSI
	16 meter	19 911 5100	8 x 12	R 1/4"	430	6.3	16 bar / 232 PSI
		19 911 5101	8 x 12	NPT 1/4"	430	6.3	16 bar / 232 PSI
	ANTI-SPARK						
	14 meter	19 911 5125	9.5 x 13.5	R 1/4"	430	6.3	12 bar / 174 PSI
		19 911 5126	9.5 x 13.5	NPT 1/4"	430	6.3	12 bar / 174 PSI

WATER (Page 49)	Part No.	Size ID x OD (mm)	Connection (male)	Diameter (mm)	Weight (kg)	Working Pressure (20° C, 68° F)	
	14 meter	19 911 5140	9.5 x 13.5	R 1/4"	430	6.3	9 bar / 130 PSI
		19 911 5141	9.5 x 13.5	NPT 1/4"	430	6.3	9 bar / 130 PSI

ELECTRICAL (Page 50)	Part No.	Dimensions (mm ²)	Connection	Diameter (mm)	Voltage (Volt)	Weight (kg)	
	10 meter	19 911 5050*	3 x 1.5	Schuko plug	330	230	4.6
		19 911 5052**	3 x 1.5	CH plug	330	230	4.6
	17 meter	19 911 5150*	3 x 1.5	Schuko plug	430	230	6.7
		19 911 5152**	3 x 1.5	CH plug	430	230	6.7

* Certified by TÜV, Germany
** Certified by SEV, Switzerland

Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.

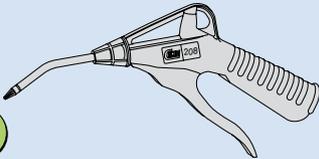
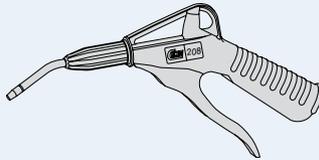


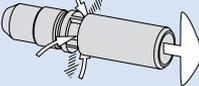
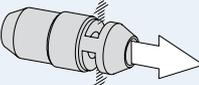
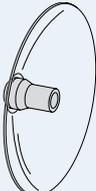
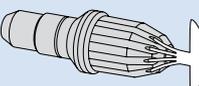
Blowguns

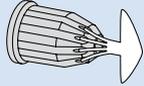
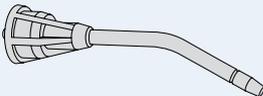
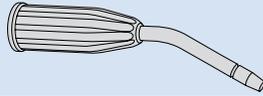
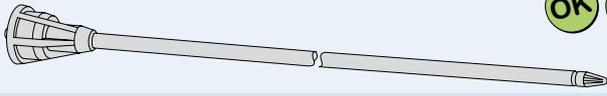
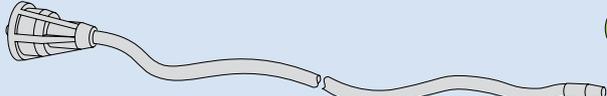
REDUCE OUTPUT PRESSURE AND NOISE

Products for a safer working environment



BLOWGUNS (Page 52)	Part No.	Tube	Connection	Air Flow	Max. Working Pressure
Blowgun with 90 mm tube, Star-Tip 	11 208 3100	Fixed tube	G 1/4"	190 l/min (7 CFM)	16 bar (232 PSI)
	11 208 3150	Fixed tube	NPT 1/4"	190 l/min (7 CFM)	16 bar (232 PSI)
	11 208 3200	Removable tube	G 1/4"	190 l/min (7 CFM)	16 bar (232 PSI)
	11 208 3250	Removable tube	NPT 1/4"	190 l/min (7 CFM)	16 bar (232 PSI)
 	<i>Sound level at inlet pressure of 6 bar (87 PSI): 79 dBA</i>				
Blowgun with regulator 	11 208 0300	Removable tube	G 1/4"	250 l/min (9 CFM)	8 bar (116 PSI)
	11 208 0350	Removable tube	NPT 1/4"	250 l/min (9 CFM)	8 bar (116 PSI)
	<i>Max. outlet pressure when dead-ended: 2 bar (29 PSI)</i>				

ACCESSORIES (Page 53)	Part No.
Venturi nozzle Fits directly onto the tube. Draws in ambient air for extra-high flow. Increases air flow by 100%. Suitable for deflecting lightweight wood chips and diverts air when dead-ended, reducing the outlet pressure to less than 2 bar (29 PSI). 	11 208 9963
	
Bypass nozzle Fits directly onto the tube. When dead-ended, pressure is released (or diverted) through the side outlets, reducing the maximum outlet pressure to less than 2 bar (29 PSI). 	11 208 9961
	
Air curtain nozzle Fits directly onto the tube. Creates a protective air curtain that is suitable for deflecting lightweight chips or fluids and diverts air when dead-ended, reducing the outlet pressure to less than 2 bar (29 PSI). 	11 208 9954
	
Chip shield Fits directly onto the tube. Protects operators from flyaway chip debris. For placement anywhere on the tube. Nitrile bushing for easy mounting. Translucent shield diameter: 100 mm (4") 	11 208 9955
 	
Silencer Fits directly onto the tube. Reduces noise effectively when low noise is a requirement. Sound level: 82 dB(A). 	11 208 9962
 	

ACCESSORIES (Page 53)	Part No.
Silencer nozzle Fits directly onto the threads of blowgun body. For use when space is limited. 	11 208 9965
 	
Tube: 90 mm (4") Star-Tip Fits directly onto the threads of blowgun body. Air flow: Star-Tip – 190 l/min (7 CFM). 	11 208 3215
 	
Tube regulator: 90 mm (4") Fits directly onto the threads of blowgun body. Reduces the outlet pressure to a safe level in the event of blockage in the tube or when dead-ended. 	11 208 0216
	
Star-Tip extension tube: 300/500 mm (12"/20") Fits directly onto the threads of blowgun body. Offers increased access in hard-to-reach areas, along with silencing and OSHA-compliant features. Air flow: 180 l/min (6 CFM) 	300 mm (12") 11 208 3219 500 mm (20") 11 208 3220
 	
Bendable extension tube: 400 mm (16") Fits directly onto the threads of blowgun body. Can be bent and adjusted for specific tasks in hard-to-reach areas. Bendable 6-mm (1/4") coated copper tube. Air flow: 120 l/min (4 CFM) 	11 208 0222
	

Thread connections are listed according to ISO Standards (see Page 78 for more information). Check with an authorized CEJN distributor for availability and prices.

Facts and Figures

Maintenance Tips

To ensure a coupling's function, quality and lifetime, be sure to:

- Keep the coupling and nipple clean and free of excess moisture.
- Avoid front-end impacts to the coupling and nipple.
- Be sure the coupling is sealing properly and moving parts are properly lubricated.
- Check the nipples on a regular basis. If they are heavily worn or marked, replace them. Worn nipples lead to greater wear on the couplings.
- Choose the proper connection for the application. Oversized connections cause unnecessary wear to the coupling.
- When using large vibration tools, such as impact wrenches or rivet hammers, use a short hose (pigtail) between the tool and the coupling.
- Use only high-quality, clean air.

Technical Data

- Air flow**..... Measured within an accuracy of $\pm 5\%$. The unit used is NI/min and stands for normal air liter per minute at $+20^{\circ}\text{C}$ ($+68^{\circ}\text{F}$) and 1.01325 bar (14.69595 PSI).
- Burst pressure**..... Measured in bar within an accuracy of $\pm 3\%$.
- CE Marking**..... EU's Pressure Equipment Directive 97/23/EC does not apply to pneumatic couplings, due to pressure constraints and total unit responsibility requirements.
- Connection force**..... Measured in Newton (N) at 6 bar inlet pressure.
- Sound level**..... Measured at a distance of 1 meter in front of and 1 meter beside a 90° angle in front of the object. The unit used is dB (A) and stands for decibel on the A scale.
- Temperature range**..... Measured in Celsius within an accuracy of $\pm 2^{\circ}\text{C}$.
- Vacuum**..... Coupling series marked for vacuum use withstand minimum 70% absolute in connected position.
- Weight**..... Measured in grams (g) at a 10-piece average.
- Working pressure**..... Specified in bar.

All technical data are measured according to CEJN standards. Contact CEJN for more detailed information.

Sealing Materials

MATERIALS	FEATURES	TEMPERATURE RANGE	MEDIA
NBR (Nitrile rubber Buna-N)	Resistant to water, gasoline, grease, mineral oil, heat, and alkalis. Sensitive to ozone.	-30°C to $+100^{\circ}\text{C}$ (-22°F to $+212^{\circ}\text{F}$)	Compressed air, oil, water
FPM (Fluorocarbon rubber Viton®)	Recommended for gasoline, oils, and acids. Weather-resistant. Not recommended for hot steam.	-15°C to $+200^{\circ}\text{C}$ (-5°F to $+392^{\circ}\text{F}$)	Chemicals, hot air
EPDM (Ethylene Propylene rubber EPDM/EPM)	Suitable for hot water, alkalines, and acids. Not recommended for mineral oil.	-40°C to $+150^{\circ}\text{C}$ (-40°F to $+302^{\circ}\text{F}$)	Water

Contact CEJN for more detailed information regarding sealing material and chemical compatibility with CEJN couplings.

Units, Conversion Tables, and Formulas

Pressure

FROM	TO	MULTIPLY BY	EXAMPLE
atm (atmosphere)	bar	1.01325	1.1 atm x 1.01325 = 1.115 bar
atm	MPa	0.10132	1.1 atm x 0.10132 = 0.111 MPa
atm	PSI	14.696	1.1 atm x 14.695 = 16.166 PSI
bar	atm	0.98692	10 bar x 0.98692 = 9.8692 atm
bar	MPa	0.1	10 bar x 0.1 = 1.0 MPa
bar	PSI	14.504	10 bar x 14.504 = 145 PSI
MPa (megapascal)	atm	9.8692	10 MPa x 9.8692 = 98.692 atm
MPa	bar	10	10 MPa x 10 = 100 bar
MPa	PSI	145.0	10 MPa x 145.0 = 1450 PSI
PSI (pounds / square inch)	atm	0.068	100 PSI x 0.068 = 6.80 atm
PSI	bar	0.0689	100 PSI x 0.0689 = 6.89 bar
PSI	MPa	0.00689	100 PSI x 0.00689 = 0.689 MPa

Flow

FROM	TO	MULTIPLY BY	EXAMPLE
CFM (cubic feet / minute)	l/min	28.32	100 CFM x 28.32 = 2832 l/min
CFM	l/s	0.472	100 CFM x 0.472 = 47.2 l/s
CFM	m ³ /h	1.699	100 CFM x 1.699 = 169.9 m ³ /h
l/min (liter / minute)	CFM	0.0353	100 l/min x 0.0353 = 3.5 CFM
l/min	l/s	0.0167	100 l/min x 0.0167 = 1.7 l/s
l/min	m ³ /h	0.06	100 l/min x 0.06 = 6 m ³ /h
l/s (liter / second)	CFM	2.119	10 l/s x 2.119 x 21.2 CFM
l/s	l/min	60	10 l/s x 60 = 600 l/min
l/s	m ³ /h	3.6	10 l/s x 3.6 = 36 m ³ /h
m ³ /h (cubic meter / hour)	CFM	0.5885	10 m ³ /h x 0.5885 = 5.885 CFM
m ³ /h	l/min	16.667	10 m ³ /h x 16.667 = 166.7 l/min
m ³ /h	l/s	0.2777	10 m ³ /h x 0.2777 = 2.777 l/s

Volume

FROM	TO	MULTIPLY BY	EXAMPLE
ft ³ (cubic foot)	gl UK	6.228	10 ft ³ x 6.228 = 62.28 gl UK
ft ³	gl U.S.	7.48	10 ft ³ x 7.48 = 74.8 gl U.S.
ft ³	l	28.32	10 ft ³ x 28.32 = 283.2 l
ft ³	m ³	0.0283	10 ft ³ x 0.0283 = 0.283 m ³
gl UK (gallon UK)	ft ³	0.1605	10 gl UK x 0.1605 = 1.605 ft ³
gl UK	gl U.S.	1.2009	10 gl UK x 1.2009 = 12.009 gl U.S.
gl UK	l	4.546	10 gl UK x 4.546 = 45.46 l
gl UK	m ³	0.0045	10 gl UK x 0.0045 = 0.045 m ³
gl U.S. (gallon U.S.)	ft ³	0.1336	10 gl U.S. x 0.1336 = 1.336 ft ³
gl U.S.	gl UK	0.8326	10 gl U.S. x 0.8326 = 8.326 gl UK
gl U.S.	l	3.785	10 gl U.S. x 3.785 = 37.85 l
gl U.S.	m ³	0.0037	10 gl U.S. x 0.0037 = 0.037 m ³
l (liter)	ft ³	0.0353	100 l x 0.0353 = 3.53 ft ³
l	gl UK	0.220	100 l x 0.220 = 22.0 gl UK
l	gl U.S.	0.264	100 l x 0.264 = 26.4 gl U.S.
l	m ³	0.001	100 l x 0.001 = 0.1 m ³
m ³ (cubic meter)	ft ³	35.3	10 m ³ x 35.3 = 353 ft ³
m ³	gl UK	219.96	10 m ³ x 219.96 = 2199.6 gl UK
m ³	gl U.S.	264.17	10 m ³ x 264.17 = 2641.7 gl U.S.
m ³	l	1000	10 m ³ x 1000 = 10 000 l

Force

FROM	TO	MULTIPLY BY	EXAMPLE
lbf (pound force)	kp	0.454	10 lbf x 0.454 = 4.54 kp
lbf	N	4.448	10 lbf x 4.448 = 44.48 N
kp (kilogram force)	lbf	2.205	10 kp x 2.204 = 22.05 lbf
kp	N	9.806	10 kp x 9.806 = 98.06 N
N (newton)	lbf	0.2248	10 N x 0.2248 = 2.25 lbf
N	kp	0.1020	10 N x 0.1020 = 1.02 kp

Length

FROM	TO	MULTIPLY BY	EXAMPLE
ft (foot)	inch	12	10 ft x 12 = 120 inch
ft	m	0.3048	10 ft x 0.3048 = 3.048 m
ft	mm	304.8	10 ft x 304.8 = 3048 mm
inch	ft	0.0833	10 inch x 0.0833 = 0.833 ft
inch	m	0.0254	10 inch x 0.0254 = 0.254 m
inch	mm	25.4	10 inch x 25.4 = 254 mm
m (meter)	ft	3.28083	10 m x 3.28083 = 32.8083 ft
m	inch	39.3699	10 m x 39.3699 = 393.699 inch
m	mm	1000	10 m x 1000 = 10 000 mm
mm (millimeter)	ft	0.00328	10 mm x 0.00328 = 0.0328 ft
mm	inch	0.0393	10 mm x 0.0393 = 0.393 inch
mm	m	0.001	10 mm x 0.001 = 0.01 m

Mass

FROM	TO	MULTIPLY BY	EXAMPLE
g (gram)	kg	0.001	10 g x 0.001 = 0.01 kg
g	lb	0.0022	10 g x 0.0022 = 0.022 lb
g	oz	0.0352	10 g x 0.001 = 0.352 oz
kg (kilogram)	g	1000	10 kg x 1000 = 10 000 g
kg	lb	2.205	10 kg x 2.205 = 22.05 lb
kg	oz	35.273	10 kg x 35.273 = 352.73 oz
lb (pound)	g	453.9	10 lb x 0.454 = 4535 g
lb	kg	0.4539	10 lb x 0.4539 = 4.535 kg
lb	oz	16	10 lb x 0.454 = 160 oz
oz (ounce)	g	28.349	10 oz x 28.349 = 283.49 g
oz	kg	0.0283	10 oz x 0.0283 = 0.283 kg
oz	lb	0.0625	10 oz x 0.0625 = 0.625 lb

Torque

FROM	TO	MULTIPLY BY	EXAMPLE
kpm (kilo pound meter)	lbfft	7.233	10 kpm x 7.233 = 72.33 lbfft
kpm	Nm	9.81	10 kpm x 9.81 = 98.1 Nm
lbfft (pound force foot)	Nm	1.356	10 kpm x 1.356 = 13.56 Nm
lbfft	Nm	0.1383	10 kpm x 0.1383 = 1.38 kpm
Nm (newton meter)	kpm	0.1020	10 Nm x 0.1020 = 1.02 kpm
Nm	lbfft	0.7376	10 Nm x 0.7376 = 7.38 lbfft

Equivalent Chart for Hose and Hose Fittings

Hose Size

Inner Dia. x Outer Dia. in mm	Inner Dia. x Outer Dia. in inch	U.S. Nominal
5 x 8	0.196 x 0.314	3/16" (0.1875 inch)
6.5 x 10	0.255 x 0.393	1/4" (0.250 inch)
8 x 12	0.314 x 0.472	5/16" (0.3125 inch)
9.5 x 13.5	0.374 x 0.531	3/8" (0.375 inch)
11 x 16	0.433 x 0.63	7/16" (0.4375 inch)

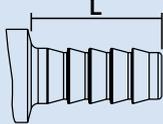
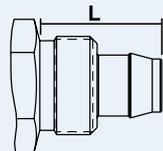
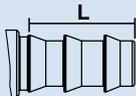
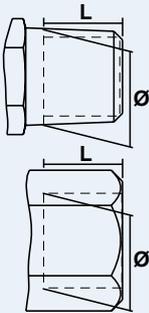
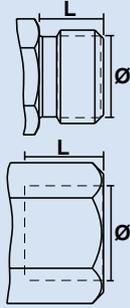
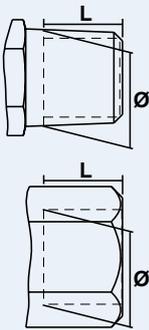
Hose Connection Size

Connection Size in mm	Connection Size in inch	U.S. Nominal
6.3	0.248	1/4" (0.250 inch)
10	0.393	3/8" (0.375 inch)
13	0.512	1/2" (0.5 inch)
16	0.630	5/8" (0.625 inch)
19	0.748	3/4" (0.75 inch)

Recommended Hose Dimension

	Working Length 4 m	Working Length 6 m	Working Length 10 m	Working Length >20 m
Required Flow <200 l/min	5 x 8 mm	6.5 x 10 mm	6.5 x 10 mm	8 x 12 mm
Required Flow <400 l/min	6.5 x 10 mm	8 x 12 mm	8 x 12 mm	9.5 x 13.5 mm
Required Flow <600 l/min	8 x 12 mm	8 x 12 mm / 11 x 6 mm	11 x 16 mm	11 x 16 mm / 13 x 18 mm

Connections and Thread Standards

	Connection	Ø (mm)	L (mm)	
Hose Connection Standard hose barb for hose clamp		6.3 mm (1/4") 8 mm (5/16") 10 mm (3/8") 13 mm (1/2") 16 mm (5/8")	- - - - -	18.0 18.0 21.0 21.0 23.0
Stream-Line Connection Hose barb with nut cap for reusable and safe hose clamping		5 x 8 mm 6.5 x 10 mm 8 x 12 mm 9.5 x 13.5 mm 11 x 16 mm	- - - - -	15.0 17.0 19.0 21.0 25.0
CEJN-Lock Connection For special non-clamping hose		1/4" 3/8" 1/2"	- - -	19.0 23.0 26.0
R/Rc Thread Connection Conical Pipe Thread Connection According to ISO 7/1 (Other common descriptions are BSPT, Kr) Male: ie. R 1/4" Female: ie. Rp 1/4" (parallel) ie. Rc 1/4" (taper)		Male Thread R 1/8" R 1/4" R 3/8" R 1/2" R 3/4" Female Thread Rc 1/8" Rc 1/4" Rc 3/8" Rc 1/2" Rc 3/4"	10.2 13.6 17.2 21.7 27.1 8.3 11.0 14.5 18.0 23.5	7.4 11.0 11.0 15.0 16.3 7.4 11.0 11.4 15.0 16.3
G Thread Connection Cylindrical Pipe Thread Connection According to ISO 228/1 (Other common descriptions are BSP, R) Male: ie. G 1/4" Female (ISO 1179): ie. G 1/4"		Male Thread G 1/8" G 1/4" G 3/8" G 1/2" G 3/4" Female Thread G 1/8" G 1/4" G 3/8" G 1/2" G 3/4"	9.6 13.0 16.5 20.8 26.3 8.75 11.8 15.25 19.0 24.5	8.0 10.0 10.0 12.0 12.0 7.4 11.0 11.4 15.0 16.3
NPT Thread Connection National Pipe Thread American standard according to ANSI/ASME B 1.20.1 Male and female: ie. 1/4" NPT		Male Thread NPT 1/8" NPT 1/4" NPT 3/8" NPT 1/2" NPT 3/4" Female Thread NPT 1/8" NPT 1/4" NPT 3/8" NPT 1/2" NPT 3/4"	10.5 14.0 17.5 21.8 27.1 8.5 11.0 14.5 18.0 23.0	6.7 10.2 10.4 13.6 13.9 6.9 10.0 10.3 13.6 14.1

Quick Reference Guide

CEJN SERIES	141	220	300	303	310	315	320	342	408	410	430	442	550
CEJN Original Profile	●	●					●	●		●		●	
Standards													
ARO 210 Standard			●										
A-A 59439* / ISO 6150 B					●						●		●
Eurostandard						●			●				
Asian Standard						●							
Body Size	N/A	1/8"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	1/2"
Flow Diameter (mm)	2.5	5.0	5.5	6.5	5.3	7.5	7.6	7.4	9.5	10.4	9.5	10.4	11.0
Max Working Pressure (bar)**	10	35	16	16	16	16	16	35	16	16	16	35	16
Air Flow (l/min)***	80	580	1050	1450	925	1950	2100	1950	3450	3900	2350	3950	3750
Suitable for Vacuum Service	●	●		●					●				
Pre-applied Thread Sealant			●	●	●	●	●	●					
Multi-Link Version			●		●		●						
Integrated Soft-Line Version			●		●		●						
Safety Versions													
Vented safety coupling (ISO 4414)			●		●		●			●			●
Anti-hose whip nipple			●	●	●	●	●	●	●	●	●	●	●
Safety lock								●				●	
Connections													
Stream-Line connection			●	●	●	●	●	●	●	●	●		
CEJN-Lock connection					●		●						
Hose connection	●	●	●	●	●	●	●	●	●	●	●	●	●
Male thread	●	●	●	●	●	●	●	●	●	●	●	●	●
Female thread	●	●	●	●	●	●	●	●	●	●	●	●	●
Operation													
One-hand connection	●	●	●	●	●	●	●	●	●	●	●	●	●
One-hand disconnection	●	●	●	●	●	●	●		●	●	●	●	●
Two-hand disconnection								●				●	
Temperature Ranges**													
-30°C to +100°C	●	●						●				●	
-20°C to +100°C			●	●	●	●	●		●	●	●		●
Coupling Materials													
Brass	●	●											
Steel/Brass			●	●	●	●	●	●	●	●	●	●	●
Nickel plating		●											
Chrome plating	●												
Zinc plating			●	●	●	●	●	●	●	●	●	●	●
Nipple Materials													
Steel		●	●	●	●	●	●	●	●	●	●	●	●
Brass	●												
Zinc plating		●	●	●	●	●	●	●	●	●	●	●	●
Chrome plating	●												
Seal Material													
NBR (Nitrile rubber)	●	●	●	●	●	●	●	●	●	●	●	●	●
Tool Flow Requirements													
< 100 l/min	●	▬	▬	▬	▬	▬	▬	▬	▬	▬	▬	▬	▬
< 300 l/min		▬	▬	▬	▬	▬	▬	▬	▬	▬	▬	▬	▬
< 600 l/min			▬	▬	▬	▬	▬	▬	▬	▬	▬	▬	▬
< 900 l/min			▬	▬	▬	▬	▬	▬	▬	▬	▬	▬	▬
< 1200 l/min				▬	▬	▬	▬	▬	▬	▬	▬	▬	▬
< 1500 l/min					▬	▬	▬	▬	▬	▬	▬	▬	▬
< 1800 l/min						▬	▬	▬	▬	▬	▬	▬	▬
< 2100 l/min							▬	▬	▬	▬	▬	▬	▬
< 2400 l/min								▬	▬	▬	▬	▬	▬
< 2700 l/min									▬	▬	▬	▬	▬
< 3000 l/min										▬	▬	▬	▬
< 3300 l/min											▬	▬	▬
< 3600 l/min												▬	▬

*Former U.S. Standard MIL C 4109 1/4". **Technical data for vented safety version may differ from standard version. *** With inlet pressure 6 bar at Δp 0.5).



The Global Quick Connect Specialist

With operations on five continents, CEJN provides high-performing, fluid-power products to customers all over the world. For more information, visit www.cejn.com.

- » **Pneumatics** – Easy-to-handle couplings offering high efficiency and long life
- Gas** – Non-interchangeable couplings with automatic locking and double seals
- Breathing Air** – Couplings that meet stringent safety certification requirements
- Fluids** – Couplings for fluid and vacuum applications, including a non-drip style
- Hydraulics** – Heavy-duty couplings for demanding medium-pressure applications
- High-pressure Hydraulics** – Quick couplings for extremely high-pressure applications
- WEO Plug-In** – Threadless hose fittings that simply “plug in” to ports
- Multi & Auto** – Couplings and nipples designed to be built into manifolds and plates

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