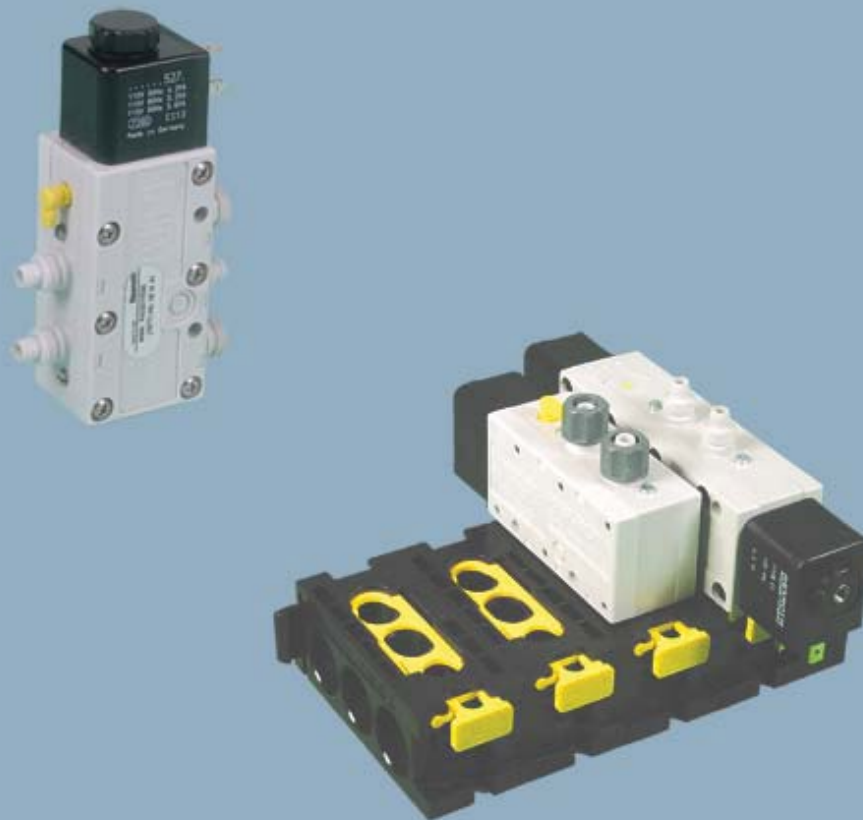


Series 740 Pneumatic Directional Control Valves

GoTo Products are
highlighted in yellow.



Series 740 Valves

Specifications and features



4 Way / 2 & 3 Position Solenoid & Air Pilot Operated Diaphragm-Poppet Valve

TECHNICAL DATA:

Port Sizes:

Integrated Fittings for 3/8", 5/16", and 8mm tubing
Push-in fitting styles bodies available for metric tubing only
(2 position only)

Working Pressure:

20 PSI minimum
150 PSI maximum
External Pilots not available

Flow: $C_v=0.7$ - with Integrated Fittings

($C_v=1.3$ - comparable flow to threaded part valve)

Temperature Range:

Solenoid Valve +5°F to 122°F

Air Pilot +5°F to 140°F

Media:

Air (either lubricated or non-lubricated)

Materials:

Polycetal Engineering plastic with Buna N seals and diaphragms

Combination Manual Override:

Locking & Non-Locking

ELECTRICAL DATA:

| Standard Voltage (all coils are rated for continuous duty) | Power Consumption | |
|--|-------------------|---------|
| | Inrush | Holding |
| 24 VAC-50/60 Hz, 110V-50 Hz/120V-60 Hz 220V-50 Hz/240V | 6.4 VA | 3.7 VA |
| 6, 12, 24 VDC | 2.7 W | |

Voltage Tolerance: $\pm 10\%$ (Except for Explosion proof and
Intrinsically safe solenoids.)

NOTE: Electrical connectors must be ordered separately. One per
solenoid required. See complete listing on Solenoid Connectors page.

Recommended Tubing:

Standard 3/8" O.D. x 0.062" wall - poly tubing

*5/16" O.D. x 0.040 wall - nylon tubing

*8mm x 1.00mm wall poly tubing

*Requires optional tube nut kit (R432015289)

Valves designed for 10mm O.D. x 1mm wall poly tubing are
also available.

Adapters available: 1/4" O.D. x 0.040 wall - poly tubing.

Tube nuts are supplied with each valve for 3/8" x 0.062 wall poly tubing

Features:

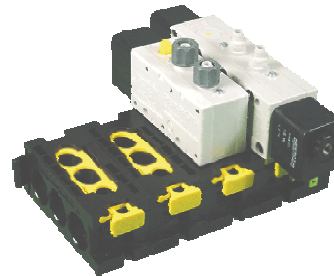
- NEMA 4 Electrical protection
- UL recognized & CSA approved coils version available
- Packaged as a cylinder/valve combination with TaskMaster®
cylinders sizes 1 1/2" thru 4". See catalog SC-200.
- Integrated fittings
- Adjustable built-in flow controls in R and S exhausts on two
position valves
- Cycle life: 20 to 150 million cycles
- Response time for 24VDC single solenoid valve:
(at supply pressure 85 psi)
On (0-77 psi) 18ms or less
Off (85-8 psi) 32 ms or less

Standard fittings:

Single and double solenoid
Single and double air pilot

Push-in fittings:

Single and double solenoid
(Metric tubing only)



Series 740 Valves

Single and double solenoid, 5/2

Rexroth
Bosch Group

4 Way / 2 Position Solenoid Operated Diaphragm Poppet Valve

NOTE: Electrical connector must be ordered separately. One per solenoid required, see Solenoid Connectors page.

All valves on this page come with 3/8" tube nuts designed to accommodate 3/8" x 0.062" wall poly tubing.

Valves with tube nuts for 5/16" (8mm) tubing, 10mm tubing, and push-in fitting style bodies available.

SINGLE SOLENOID WITH AIR SPRING RETURN



DOUBLE SOLENOID OPERATED

The external non-locking manual override button may be pushed from one side to the other to select which delivery port is pressurized initially.

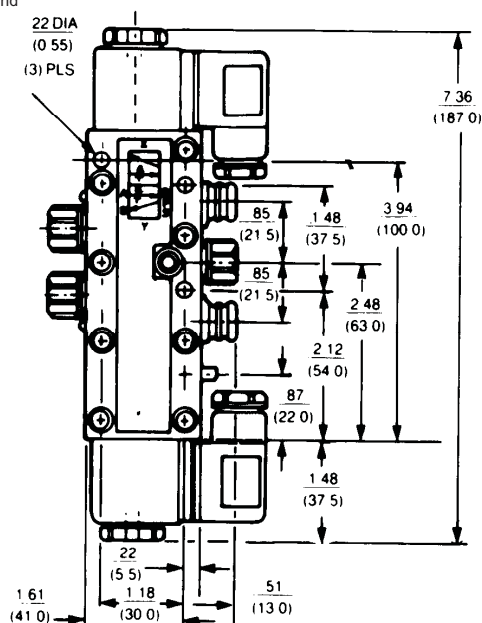
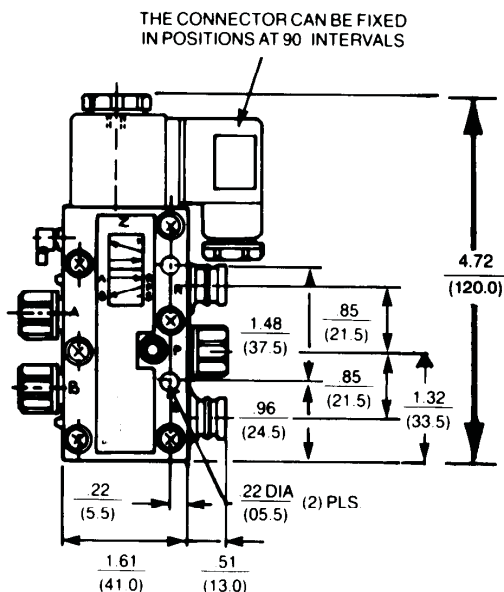
2 POSITION



2 POSITION

| NEW PART NO. | OLD PART NO. | VOLTAGE | NEW PART NO. | OLD PART NO. | VOLTAGE |
|--------------|-----------------|---------------------------|--------------|-----------------|---------------------------|
| 5727495270 | PW-067697-00001 | 110 VAC 50Hz/120 VAC 60Hz | R432016659 | PW-067715-00001 | 110 VAC 50Hz/120 VAC 60Hz |
| R432016655 | PW-067697-00002 | 220 VAC 50Hz/240 VAC 60Hz | R432016660 | PW-067715-00002 | 220 VAC 50Hz/240 VAC 60Hz |
| R432016656 | PW-067697-00003 | 6 VDC | R432016661 | PW-067715-00003 | 6 VDC |
| R432016657 | PW-067697-00004 | 12 VDC | R432016662 | PW-067715-00004 | 12 VDC |
| 5727490220 | PW-067697-00005 | 24 VDC | R432016663 | PW-067715-00005 | 24 VDC |
| R432016658 | PW-067697-00006 | 24 VAC 50/60 Hz | R432016664 | PW-067715-00006 | 24 VAC 50/60 Hz |
| R432002436 | | without coil | R432002437 | | without coil |

Unique Manual Override Feature: Single solenoid valves are equipped with a convertible manual override button. Valve comes standard with *extended locking* override. By snipping tab off of plastic button, override becomes *non-locking extended*. By snipping button at first scored line, it becomes a *flush non-locking* override. By snipping at second scored line, a *flush locking* override is obtained, requiring a screwdriver to actuate.



Typical width of valve: 1.38" (35.0mm)

See next page for U.L. recognized and CSA approved coils.


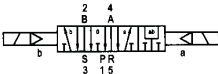
Series 740 Valves

Double solenoid 5/3 and U.L. recognized/CSA approved models



4 Way / 3 Position, Double Solenoid Operated Diaphragm-Poppet Valve

NOTE: Electrical connector must be ordered separately. One per solenoid required, see Solenoid Connectors page.
All valves on this page come with 3/8" tube nuts designed to accommodate 3/8" x 0.062" wall poly tubing.

| NEW PART NO. | OLD PART NO. | DESCRIPTION | SYMBOL |
|-----------------------------|-----------------|-----------------------------|---|
| CLOSED CENTER VERSION | | | |
| R432016670 | PW-067717-00001 | 110 VAC 50 Hz/120 VAC 60 Hz |  |
| R432016671 | PW-067717-00002 | 220 VAC 50 Hz/240 VAC 60 Hz | |
| R432016672 | PW-067717-00003 | 6 VDC | |
| R432016673 | PW-067717-00004 | 12 VDC | |
| R432016674 | PW-067717-00005 | 24 VDC | |
| R432016675 | PW-067717-00006 | 24 VAC 50/60 Hz | |
| R432002438 | | without coil | |
| EXHAUST OPEN CENTER VERSION | | | |
| R432016665 | PW-067716-00001 | 110 VAC 50 Hz/120VAC 60 Hz |  |
| R432016666 | PW-067716-00002 | 220 VAC 50 Hz/240 VAC 60 Hz | |
| R432016667 | PW-067716-00004 | 12 VDC | |
| R432016668 | PW-067716-00005 | 24 VDC | |
| R432006669 | PW-067716-00006 | 24 VAC 50/60 Hz | |
| R432002439 | | without coil | |

Warning: Do not energize both solenoids at same time or all ports may be pressurized or exhausted.

4 Way / 2 Position, Solenoid Operated Valves With U.L. Recognized & CSA Approved Coils

| PART NO. | DESCRIPTION |
|------------|--|
| R432034081 | 5/2 Single Solenoid, w/ 12VDC |
| R432034082 | 5/2 Single Solenoid, w/ 24VDC |
| R432034083 | 5/2 Single Solenoid, w/ 110VAC 50/60Hz |
| R432034084 | 5/2 Double Solenoid, w/ 12VDC |
| R432034085 | 5/2 Double Solenoid, w/ 24VDC |
| R432034086 | 5/2 Double Solenoid, w/ 110VAC 50/60Hz |
| R432034087 | 5/3 Closed Center, w/ 12VDC |
| R432034088 | 5/3 Closed Center, w/ 24VDC |
| R432034089 | 5/3 Closed Center, w/ 110VAC 50/60Hz |
| R432034090 | 5/3 Open Center, w/ 12VDC |
| R432034091 | 5/3 Open Center, w/ 24VDC |
| R432034092 | 5/3 Open Center, w/ 110VAC 50/60Hz |

These valves do not include solenoid connectors. Order one per solenoid.

Dimensions are the same as our standard models.

Intrinsically safe solenoid valves, 5/2

4 Way 2 Position Intrinsically Safe Solenoid Valves for Hazardous Locations Classes I, II and III Div I Groups A, B, C, D, E, F and G

* Must be connected to an FM Approved Zener Diode Barrier.

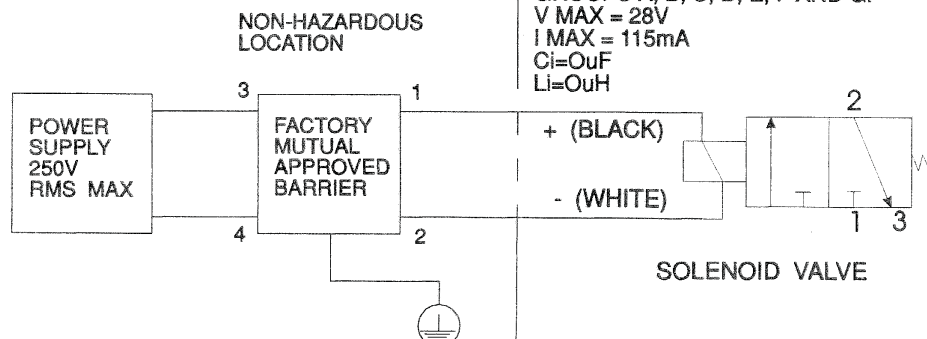
Single Solenoid Model
Part No. R432008894
(old no. P - 028044-00005)

For Dimension, reference standard solenoid models.

NOTES:

- (1) Maximum non-hazardous voltage not to exceed 250 V RMS.
- (2) Connect per barrier manufacturer's instructions.
- (3) Connect per ISA RP 12.6 instructions.
- (4) Maximum valve pressure: 115 psi.
- (5) Maximum inductance of solenoid operators when mounted on valve body not to exceed 375 mH.
- (6) Solenoid operator for 3/2 way function normally closed.

V MAX = 28V
I MAX = 115mA
Ci=OuF
Li=OuH



Series 740 Valves

Solenoid valves 5/2 with larger integrated fittings



4 Way / 2 Position Solenoid Operated

Standard Series 740 valve with tube nuts for 5/16" (0.040 wall) nylon tubing or 8mm (1mm wall) poly tubing.

Push-in fittings are for 10mm (1mm wall) poly tubing.

NOTE: Electrical connectors must be ordered separately. One per solenoid required, see Solenoid Connectors page.

2 Position, Standard fittings

| Single Solenoid | NEW PART NO. | OLD PART NO. | DESCRIPTION |
|------------------------|--------------|-----------------|--|
| | R432016647 | PW-027860-00001 | 110 VAC 50 Hz/120VAC 60 Hz Single Solenoid |
| | R432016648 | PW-027860-00002 | 220 VAC 50 Hz/240VAC 60 Hz Single Solenoid |
| | R432016649 | PW-027860-00005 | 24 VDC Single Solenoid |
| | R432016650 | PW-027860-00006 | 24 VAC 50/60 Hz Single Solenoid |
| Double Solenoid | NEW PART NO. | OLD PART NO. | DESCRIPTION |
| | R432016651 | PW-027897-00001 | 110 VAC 50 Hz/120VAC 60 Hz Double Solenoid |
| | R432016652 | PW-027897-00002 | 220 VAC 50 Hz/240VAC 60 Hz Double Solenoid |
| | R432030385 | PW-027897-00004 | 12 VDC Double Solenoid |
| | R432016653 | PW-027897-00005 | 24 VDC Double Solenoid |
| | R432016654 | PW-028797-00006 | 24 VAC 50/60 Hz Double Solenoid |

2 Position, Push-in fittings (10mm O.D. tubing)

| Single Solenoid | NEW PART NO. | OLD PART NO. | DESCRIPTION |
|------------------------|--------------|---------------|--|
| | 5727475280 | 572-747-528-0 | 220 VAC 50 Hz/240vac 60 Hz Single Solenoid |
| | 5727470220 | 572-747-022-0 | 24 VDC Single Solenoid |
| | 5727475302 | 572-747-530-2 | Base Valve - No Solenoid* |
| Double Solenoid | NEW PART NO. | OLD PART NO. | DESCRIPTION |
| | 5727485280 | 572-748-528-0 | 220 VAC 50 Hz/240vac 60 Hz Double Solenoid |
| | 5727480220 | 572-748-022-0 | 24 VDC Double Solenoid |
| | 5727485302 | 572-748-530-2 | Base Valve - No Solenoid* |

* Base valves are supplied without coil(s) or connector(s) which must be ordered separately (see later page).

Series 740 Valve with 10mm Supply and Delivery Ports for higher flow applications—2 Position

Note: Use with 10mm O.D. x 1mm wall poly tubing

| NEW PART NO. | OLD PART NO. | DESCRIPTION |
|-------------------|-----------------|-----------------|
| R432015405 | P -068700-K0000 | Single Solenoid |
| R432015410 | P -068704-K0000 | Double Solenoid |

10mm Valves are supplied without coil(s) or connector(s) which must be ordered separately (see later page).

Series 740 Valves

Extra corrosion resistant models



4 Way / 2 and 3 Position Solenoid Operated Corrosion Resistant Series 740 Valves

All fasteners and exposed metallic parts are 300 series stainless steel. These valves are recommended for most daily wash-down applications such as food processing, breweries and dairy plants, or anywhere else that corrosion can be a problem. Dimensions are the same as standard valves.

NOTE: Special strain relief solenoid connectors are furnished with these valves.

CORROSION RESISTANT MODELS

2 POSITION VALVES Without Indicator Lights

| New Part Number | Old Part Number | Description |
|-----------------|-----------------|-------------------------------------|
| R432015590 | P -069294-00001 | 110VAC-50Hz/120VAC-60Hz Single Sol. |
| R432015591 | P -069294-00002 | 220VAC-50Hz/240VAC-60Hz Single Sol. |
| R432015592 | P -069294-00004 | 12 VDC Single Solenoid |
| R432015593 | P -069294-00005 | 24 VDC Single Solenoid |
| R432015594 | P -069294-00006 | 24 VAC-50/60Hz Single Solenoid |

| New Part Number | Old Part Number | Description |
|-----------------|-----------------|-------------------------------------|
| R432015597 | P -069297-00001 | 110VAC-50Hz/120VAC-60Hz Double Sol. |
| R432015598 | P -069297-00002 | 220VAC-50Hz/240VAC-60Hz Double Sol. |
| R432015599 | P -069297-00005 | 24 VDC Double Solenoid |

2 POSITION VALVES With Indicator Lights

| New Part Number | Old Part Number | Description |
|-----------------|-----------------|-------------------------------------|
| R432015613 | P -069344-00001 | 110VAC-50Hz/120VAC-60Hz Single Sol. |
| R432015614 | P -069344-00004 | 12 VDC Single Solenoid |
| R432015615 | P -069344-00005 | 24 VDC Single Solenoid |
| R432015616 | P -069344-00006 | 24 VAC-50/60Hz Single Solenoid |

| New Part Number | Old Part Number | Description |
|-----------------|-----------------|-------------------------------------|
| R432015617 | P -069345-00001 | 110VAC-50Hz/120VAC-60Hz Double Sol. |
| R432015618 | P -069345-00002 | 220V-50Hz/240V-60Hz Double Solenoid |
| R432015619 | P -069345-00005 | 24 VDC Double Solenoid |

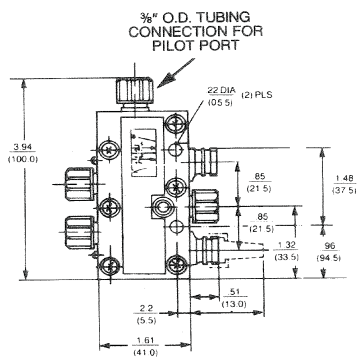
Air pilot, single and double

**4 Way / 2 Position
Air Pilot Operated**

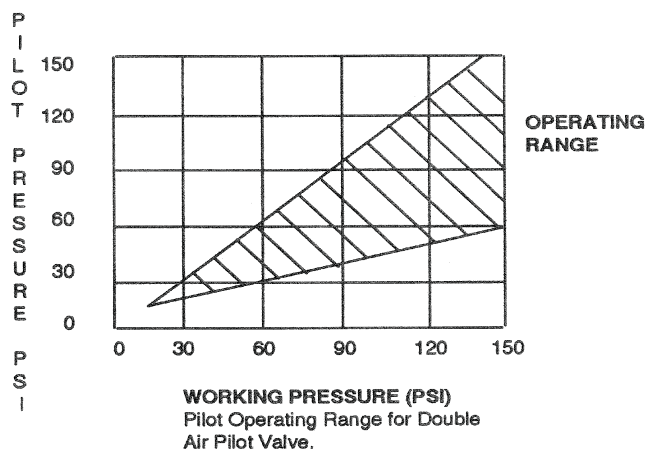
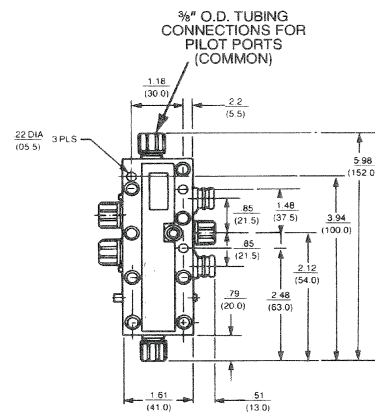
NOTE: All dimensions expressed in $\frac{IN}{MM}$

DOUBLE AIR PILOT VALVES

A diagram of a 12-bit shift register. The register is represented as a horizontal row of 12 cells. The leftmost cell contains a right-pointing triangle. The rightmost cell contains a left-pointing triangle. Between the triangles, there are four cells containing a diagonal line from the top-left to the bottom-right. The remaining four cells contain a cross symbol. Above the register, the number '4' is positioned above the fourth cell from the left, and the number '2' is positioned above the second cell from the right. Below the register, the numbers '5', '1', and '3' are positioned under the fifth, sixth, and seventh cells from the left, respectively. A bracket on the right side of the register indicates the 12-bit width.



A diagram showing a 6-column grid. The first column contains a triangle pointing right. The second column contains a vertical line with a small circle at the top. The third column contains a star. The fourth column contains a star. The fifth column contains a vertical line with a small circle at the top. The sixth column contains a triangle pointing left. Below the grid, the numbers 1, 2, 3, 4, 5, 6 are written in order from left to right. Above the grid, the numbers 4 and 2 are written above the fourth and fifth columns respectively.



Manual override standard. This unique, external non-locking manual override button for the double air pilot may be pushed from one side to the other to select which delivery port is pressurized.

Double Air Bleeder Valve:
Part No. R432008442 (old P -026125-00000)

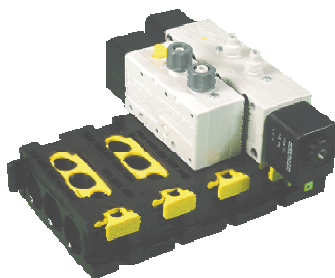
Exhausting either air pilot port while the opposite port is still pressurized will shift the valve. Valve features stainless steel fasteners for corrosion resistance.

Manifolds and gang stacking

Rexroth
Bosch Group

4 Way / 2 and 3 Position Manifold Mounts & Gang Stacking

Manifold Mounting, Snap-Together Assembly
(Factory assembled manifolds also available)



NOTE: All dimensions expressed in $\frac{IN}{MM}$

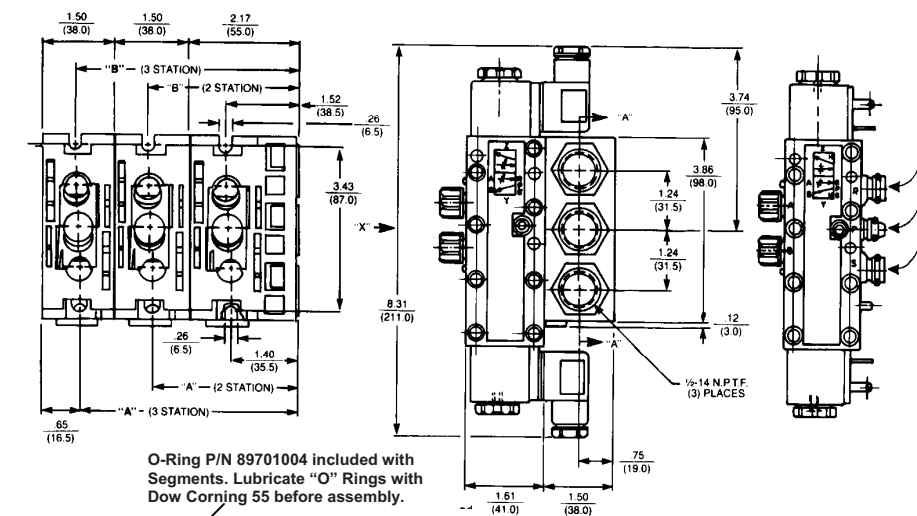
Gang Stacking Arrangement



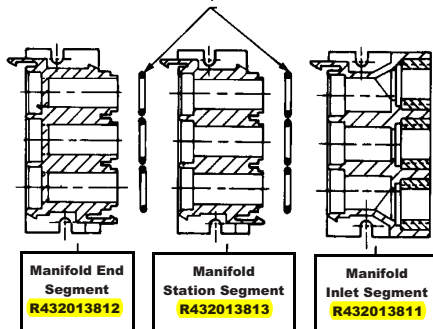
| NEW PART NO. | OLD PART NO. | DESCRIPTION |
|--------------|------------------|---|
| R432013811 | *P -067701-00000 | Inlet Segment |
| R432013812 | *P -067702-00000 | End Segment |
| R432013813 | *P -067703-00000 | Station Segment |
| R432015880 | *P -069881-00000 | Single Subbase (Identical to inlet segment except rear cavities are blocked. Used to manifold mount one valve only. |

* Required O-rings included

MANIFOLDS - OUTLINE DIMENSIONS



O-Ring P/N 89701004 included with Segments. Lubricate "O" Rings with Dow Corning 55 before assembly.



ORDERING EXAMPLE
(4 Station Manifold):
1 - Inlet segment
1 - End segment
2 - Station segments

Part No. R432013853
O-Ring Kit (included
with manifold
segments)

SHEAR PLUG KNOCKOUT
Ganged assembly-common
supply pressure obtainable by
knockout shear plugs

Mounting Accessories Kit
Part Number R432013852
 Includes O-ring (for sealing between the valve bodies) and an inlet port blanking cap. (Bolts and Nuts are not included).

Stack can be held together and mounted with readily available 1/8" "all thread" material.

**MANIFOLD INSTALLATION
NOTE:**

The first and last segment should always be securely mounted to a plate. If more than five valves are used, every third valve segment should also be securely mounted.

| No. of Stations | A | B |
|-----------------|---------|---------|
| 2 | 2.89 | 3.01 |
| | (73.5) | (76.5) |
| 3 | 4.39 | 4.51 |
| | (111.5) | (114.5) |
| 4 | 5.89 | 6.00 |
| | (149.5) | (152.5) |
| 5 | 7.38 | 7.50 |
| | (187.5) | (190.5) |
| 6 | 8.88 | 9.00 |
| | (225.5) | (228.5) |
| 7 | 10.37 | 10.49 |
| | (263.5) | (266.5) |
| 8 | 11.87 | 11.99 |
| | (301.5) | (304.5) |
| 9 | 13.37 | 13.48 |
| | (339.5) | (342.5) |
| 10 | 14.86 | 14.98 |
| | (377.5) | (380.5) |

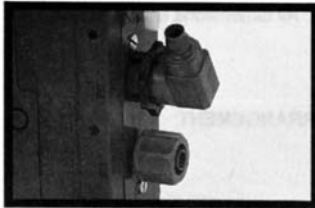
NOTE: Yellow lock tab on manifold segments are scored. This allows the end to be broken off (if desired), making it tamper resistant, thus requiring a screwdriver to remove valve.

Series 740 Valves

Accessories

Rexroth
Bosch Group

ACCESSORIES



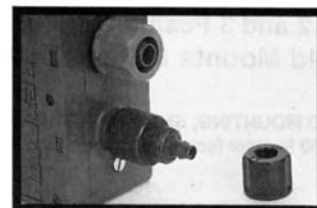
R432015301

Elbow Fitting with nuts for
3/8" & 5/16" O.D. tubing



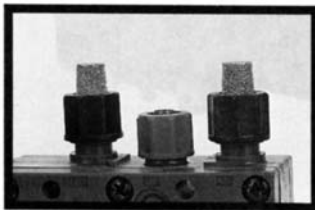
R432015479

Reducer Elbow Fitting with nut
for 1/4" O.D. (.040" wall) tubing



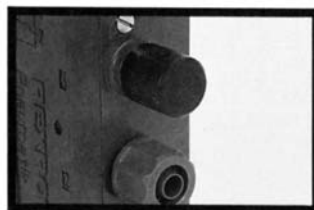
R432015475

Reducer Fitting with nut
For 1/4" O.D. tubing



R432013850

Exhaust Tube Nut & Silencer
(2 kits shown)



8919905502 (3/8", 5/16" or 8 mm)
8919905512 (10 mm)
Blanking Cap
(converts 4-way to 3-way)

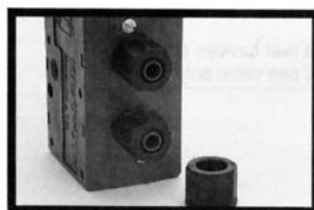


R432013852
Sheer Plug Knockout for
Stacking



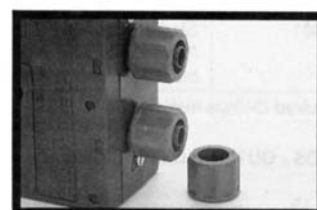
R432015513

Exhaust Fitting Adapter Kit
(converts the standard exhaust fitting to a
tube fitting for external piping)



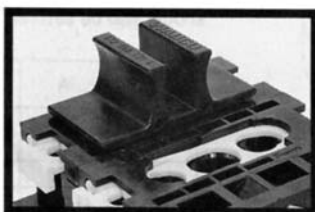
R432015289

Tube Nuts (3 ea.) for 5/16"
(.040" wall) O.D. nylon tubing
or 8mm (1mm wall) O.D. poly
tubing



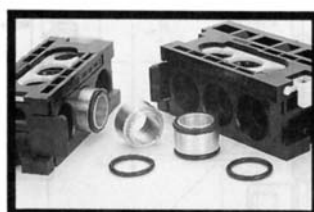
R432015287

Tube Nuts (3 ea.) for 3/8"
O.D. (.062" wall) poly tubing



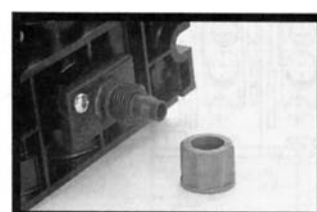
R432015511

Manifold Blanking Plate
(use to block one segment)



R432015330

Manifold Bushing Kit
for two supply pressures



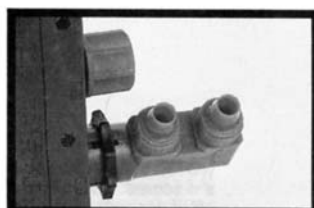
R432015512

Individual Manifold Supply Pres-
sure Kit-mounts underneath mani-
fold segment (not included)



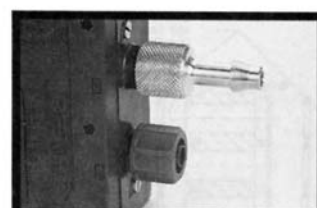
R432015527

Double Elbow Fitting for 1/4"
O.D. tubing



R432015526

Double Elbow Fitting for 3/8" &
5/16" O.D. tubing



R432015525

Barb Fitting for 1/4" I.D.
Reinforced Hose

Series 740 Valves

Repair Kits



Repair Kits and Parts

| Part No. | Old Part No. | Description |
|------------|-----------------|---|
| R432013884 | P -067916-00000 | Single Solenoid Body Repair Kit |
| R432013885 | P -067917-00000 | Double Solenoid Body Repair Kit (includes 3 position valves also) |
| R432013854 | P -067817-00000 | Air Pilot Operator Kit |
| R432013816 | P -067705-K0000 | Single Solenoid Body Assembly |
| R432013814 | P -067704-K0000 | Double Solenoid Body Assembly |
| R432015687 | P -069541-00000 | Solenoid Repair Kit, includes armature, plunger/spring & seal |
| 8994702802 | H -899470-02802 | Solenoid Retainer Kit |
| R432013839 | P -067782-00000 | Valve Latch & Spring |
| R432013853 | P -067816-00000 | Valve Manifold Station "O" Ring Kit, (to attach valve to manifold) |

Solenoid Kits

(Includes Armature, Coil, & Mtg. Hardware)

| Part No. | Old Part No. | Description |
|------------|-----------------|-------------------------|
| R432015349 | P -068648-00000 | 24 VAC-50/60Hz |
| R432013840 | P -067783-00000 | 110VAC-50Hz/120VAC-60Hz |
| R432013841 | P -067784-00000 | 220VAC-50Hz/240VAC-60Hz |
| R432029180 | P -067785-00000 | 6 VDC |
| R432013842 | P -067786-00000 | 12 VDC |
| R432013843 | P -067787-00000 | 24 VDC |

U.L. Recognized & C.S.A. Approved Coils

| Part No. | Description |
|------------|-----------------|
| R432034080 | 12 VDC |
| R432009779 | 24 VDC |
| R432009778 | 110 VAC-50/60Hz |

Standard Coils

| Part No. | Model Number | Description |
|------------|-----------------|-------------------------|
| R432011985 | P -048835-00001 | 110VAC-50Hz/120VAC-60Hz |
| R432011986 | P -048835-00002 | 220VAC-50Hz/240VAC-60Hz |
| R432011988 | P -048835-00004 | 12 VDC |
| R432011989 | P -048835-00005 | 24 VDC |
| R432011990 | P -048835-00006 | 24 VAC-50/60Hz |

Coils for Corrosion Resistant Valves

| Part No. | Model Number | Description |
|------------|-----------------|-------------------------|
| 5428457072 | H -542845-07072 | 110VAC-50Hz/120VAC-60Hz |
| 5428457082 | H -542845-07082 | 220VAC-50Hz/240VAC-60Hz |
| 5420507012 | H -542050-07012 | 12 VDC |
| 5450507022 | H -542050-07022 | 24 VDC |
| 5428457022 | H -542845-07022 | 24 VAC-50/60Hz |

Solenoid Connectors and Cables



Solenoid Connectors for Ceram™, Series 740, and CD07™ Valves (DIN 43650-FORM A/ISO 4400 30MM)

STRAIN RELIEF CONNECTORS NON-LIGHTED



8941000302*
(Old Part No. H -894100-00302)
(Standard)



****Part No. R432013747**
(Old Part No. P -067325-00000)
(for use with wireways)

1/2" CONDUIT CONNECTORS NON-LIGHTED

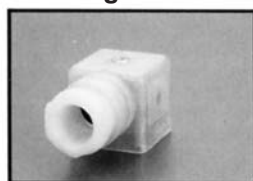


Part No. R432015626
(Old Part No P -069390-00000)
(Molded Engineering Plastic)



Part No. R432015781**
(Old Part No. P -069707-00000)
(Metallic)

Lighted



| | | |
|---------------------|-----------------|---------|
| Part No. | Old Part No. | |
| **R432013726 | P -067261-00000 | 120 VAC |
| **R432013728 | P -067262-00000 | 240 VAC |
| **R432013729 | P -067264-00000 | 12 VDC |
| **R432013730 | P -067265-00000 | 24 VDC |
| **R432015629 | P -069417-00000 | 24 VAC |

3/8" CONDUIT CONNECTOR NON-LIGHTED



Part No. R432015404***
(Old Part No. P -068674-00000)

Lighted



| | | |
|------------|-----------------|------------|
| Part No. | Old Part No. | |
| R432008421 | P -026078-00001 | 120VAC*** |
| R432008422 | P -026078-00002 | 240 VAC*** |
| R432008423 | P -026078-00004 | 12 VDC*** |
| R432008424 | P -026078-00005 | 24 VDC*** |
| R432008425 | P -026078-00006 | 24 VAC*** |

Solenoid Connectors For Series 581 and Series 830 Valves ONLY (INDUSTRIAL FORM§ 22MM)

Non-Lighted



***8941004702**
Old Part No. H -894100-04702

STRAIN RELIEF CONNECTORS

| | | |
|-------------|-----------------|---------|
| Part No. | Old Part No. | |
| *R432013878 | P -067854-00000 | 120 VAC |
| *R432013879 | P -067855-00000 | 240 VAC |
| *R432013880 | P -067857-00000 | 12 VDC |
| *R432013881 | P -067858-00000 | 24 VDC |
| *R432008426 | P -026079-00000 | 24 VAC |

Lighted

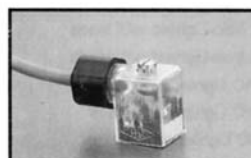


§ Not FORM B.

Solenoid Connectors for Series 840, Series 579, & Series TC Valves ONLY (Form C) 15MM

| VOLTAGE (lighted version) | PART NO. | OLD PART NO. |
|---------------------------|------------|-----------------|
| 120 VAC/DC (Without Lead) | R432011981 | P -048824-00001 |
| 120 VAC/DC (W/3' LEAD) | R432011961 | P -048803-00001 |
| 120 VAC/DC (W/6' LEAD) | R432011963 | P -048804-00001 |
| 24 VAC/DC (Without Lead) | R432011982 | P -048824-00005 |
| 24 VAC/DC (w/3' LEAD) | R432011962 | P -048803-00005 |
| 24 VAC/DC (W/6' LEAD) | R432011964 | P -048804-00005 |

Solenoid Connector Lighted



Strain Relief Solenoid Connector Non-Lighted



Part No. 8941012202
(Old part no. H -894101-02202)

Recommended Wire Size for Solenoid Connector: 18-22 gauge wire Cable diameter: .080" to .265" O.D.
R432008830 (Old Part No. P -027609-00000) 1/2" conduit connector for 840 wireway.

*0.236-0.315 O.D. Cable Diameter, **0.315-0.394 O.D. Cable Diameter, ***Cable Diameter up to 0.200
All connectors this page: Maximum Wire Size A.W.G. #14. (14 gauge may not fit in lighted connector.)

NOTICES TO PRODUCT USERS

1. WARNING: FLUID MEDIA

Bosch Rexroth pneumatic devices are designed and tested for use with filtered, clean, dry, chemical free air at pressures and temperatures within the specified limits of the device. For use with media other than air or for human life support systems, Bosch Rexroth must be consulted. Hydraulic cylinders are designed for operation with filtered, clean, petroleum based hydraulic fluid; operation using fire-resistant or other special types of fluids may require special packing and seals. Consult the factory.

2. WARNING: MATERIAL COMPATIBILITY

Damage to product seals or other parts caused by the use of non-compatible lubricants, oil additives or synthetic lubricants in the air system compressor or line lubrication devices voids Bosch Rexroth's warranty and can result in product failure or other malfunction. See lubrication recommendations below.

AIR LINE LUBRICANTS! In service higher than 18 cycles per minute or with continuous flow of air through the device, an air line lubricator is recommended. * (Do not use line lubrication with vacuum products.) However, the lubricator must be maintained since the oil will wash out the grease, and lack of lubrication will greatly shorten the life expectancy. The oils used in the lubricator must be compatible with the elastomers in the device. The elastomers are normally BUNA-N, NEOPRENE, VITON, SILICONE and HYTREL. Bosch Rexroth recommends the use of only petroleum-based oils without synthetic additives, and with an aniline point between 180° and 210° F.

COMPRESSOR LUBRICANTS! All compressors (with the exception of special "oil free" units) pass oil mist or vapor from the internal crankcase lubricating system through to the compressed air. Since even small amounts of non-compatible lubricants can cause severe seal deterioration (which could result in component and system failure) special care should be taken in selecting compatible compressor lubricants. It is recommended that users review the National Fluid Power Association "Recommended Guide Lines For Use Of Synthetic Lubricants In Pneumatic Fluid Power Systems" (NFPA T1-1978).

3. WARNING: INSTALLATION AND MOUNTING

The user of these devices must conform to all applicable electrical, mechanical, piping and other codes in the installation, operation or repair of these devices.

INSTALLATION! Do not attempt to install, operate or repair these devices without proper training in the technique of working on pneumatic or hydraulic systems and devices, unless under trained supervision. Compressed air and hydraulic systems contain high levels of stored energy. Do not attempt to connect, disconnect or repair these products when system is under pressure. Always exhaust or drain the pressure from system before performing any service work. Failure to do so can result in serious personal injury.

MOUNTING! Devices should be mounted and positioned in such manner that they cannot be accidentally operated.

4. WARNING: APPLICATION AND USE OF PRODUCTS

The possibility does exist for any device or accessory to fail to operate properly through misuse, wear or malfunction. The user must consider these possibilities and should provide appropriate safe guards in the application or system design to prevent personal injury or property damage in the event of malfunction.

5. WARNING: CONVERSION, MAINTENANCE AND REPAIR

When a device is disassembled for conversion to a different configuration, maintenance or repair, the device must be tested for leakage and proper operation after being reassembled and prior to installation.

MAINTENANCE AND REPAIR! Maintenance periods should be scheduled in accordance with frequency of use and working conditions. All Bosch Rexroth products should provide minimum of 1,000,000 cycles of maintenance free service when used and lubricated as recommended. However, these products should be visually inspected for defects and given an "in system" operating performance and leakage test once a year. Where devices require major repair as result of the one million cycles, one year, or routine inspection, the device must be disassembled, cleaned, inspected, parts replaced as required, rebuilt and tested for leakage and proper operation prior to installation. See individual catalogs for specific cycle life estimates.

6. PRODUCT CHANGES

Product changes including specifications, features, designs and availability are subject to change at any time without notice. For critical dimensions or specifications, contact factory.

*Many Bosch Rexroth pneumatic components can operate with or without air line lubrication; see individual sales catalogs for details.

--Refer to the appropriate service catalog for parts and service information.

LIMITATIONS OF WARRANTIES & REMEDIES

Bosch Rexroth warrants its products sold by it to be free from defects in material and workmanship to the following:

For twelve months after shipment Bosch Rexroth will repair or replace (F.O.B. our works), at its option, any equipment which under normal conditions of use and service proves to be defective in material or workmanship at no charge to the purchaser. No charge will be made for labor with respect to defects covered by this Warranty, provided that the work is done by Bosch Rexroth or any of its authorized service facilities. However, this Warranty does not cover expenses incurred in the removal and reinstallation of any product, nor any downtime incurred, whether or not proved defective.

All repairs and replacement parts provided under this Warranty policy will assume the identity, for warranty purposes, of the part replaced, and the warranty on such replacement parts will expire when the warranty on the original part would have expired. Claims must be submitted within thirty days of the failure or be subject to rejection.

This Warranty is not transferable beyond the first using purchaser. Specifically, excluded from this Warranty are failures caused by misuse, neglect, abuse, improper operation or filtration, extreme temperatures, or unauthorized service or parts. This Warranty also excludes the use of lubricants, fluids or air line additives that are not compatible with seals or diaphragms used in the products. This Warranty sets out the purchaser's exclusive remedies with respect to products covered by it, whether for negligence or otherwise. Neither, Bosch Rexroth nor any of its affiliates will be liable for consequential or incidental damages or other losses or expenses incurred by reason of the use or sale of such products. Our liability (except as to title) arising out of the sale, use or operation of any product or parts, whether on warranty, contract or negligence (including claims for consequential or incidental damage) shall not in any event exceed the cost of replacing the defective products and, upon expiration of the warranted period as herein provided, all such liability is terminated. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, WHETHER FOR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE. No attempt to alter, amend or extend this Warranty shall be effective unless authorized in writing by an officer of Bosch Rexroth Corporation.

Bosch Rexroth reserves the right to discontinue manufacture of any product, or change product materials, design or specifications without notice.

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addresses

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