



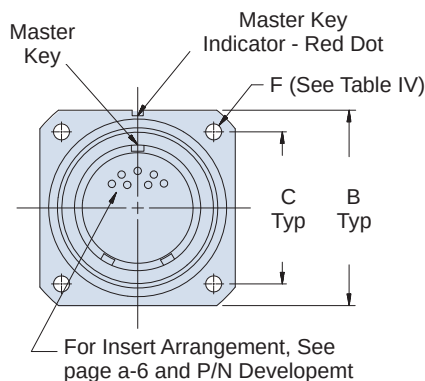
## 220-02 and 220-12 High-Pressure Environmental/Hermetic Square Flange Mount Receptacle

### SERIES 22 SQUARE FLANGE RECEPTACLE IN STANDARD OR SCOOP-PROOF SHELL WITH PIN OR SOCKET CONTACTS

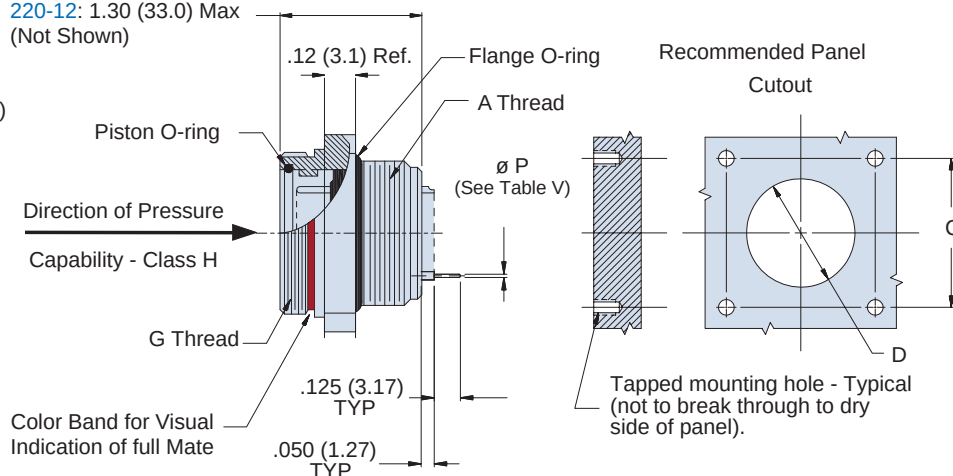


| How To Order                    |                                                                             |   |       |   |   |
|---------------------------------|-----------------------------------------------------------------------------|---|-------|---|---|
| Sample Part Number              | 220-02                                                                      | E | 24-61 | P | N |
| Series and Shell Style          | 220-02 - Standard<br>220-12 - Scoop-Proof                                   |   |       |   |   |
| Class                           | H = Hermetic E = Environmental                                              |   |       |   |   |
| Shell Size - Insert Arrangement | See page A-6                                                                |   |       |   |   |
| Contact Style                   | P = Pin S = Socket<br>C = Pin, PC Termination<br>D = Socket, PC Termination |   |       |   |   |
| Polarization                    | N, 1, 2, 3, 4 See page A-6                                                  |   |       |   |   |

Prior to use, lubricate o-rings with high grade silicone lubricant (Moly-kote M55 or equivalent).



220-02: 1.19 (30.2) Max  
220-12: 1.30 (33.0) Max  
(Not Shown)



# 220-02 and 220-12 High-Pressure Environmental/Hermetic Square Flange Mount Receptacle



| Table II: Dimensions |                   |              |              |                                       |                   |
|----------------------|-------------------|--------------|--------------|---------------------------------------|-------------------|
| Shell Size           | A Thread Class 2A | B Dim        | C Dim        | D Dia<br>+.015 +(0.4)<br>-.000 -(0.0) | G Thread Class 2A |
| 10                   | 5/8 - 24 UNEF     | 1.188 (30.2) | .938 (23.8)  | .844 (21.4)                           | .750 - .1P - .1L  |
| 12                   | 3/4 - 20 UNEF     | 1.312 (33.3) | 1.062 (27.0) | .969 (24.6)                           | .875 - .1P - .1L  |
| 14                   | 7/8 - 20 UNEF     | 1.438 (36.5) | 1.188 (30.2) | 1.078 (27.4)                          | 1.000 - .1P - .1L |
| 16                   | 1 - 20 UNEF       | 1.562 (39.7) | 1.250 (31.8) | 1.219 (31.0)                          | 1.125 - .1P - .1L |
| 18                   | 1 1/8 - 16 UN     | 1.750 (44.5) | 1.375 (34.9) | 1.359 (34.5)                          | 1.250 - .1P - .1L |
| 20                   | 1 1/4 - 16 UN     | 1.875 (47.6) | 1.500 (38.1) | 1.515 (38.5)                          | 1.375 - .1P - .1L |
| 22                   | 1 3/8 - 16 UN     | 2.000 (50.8) | 1.625 (41.3) | 1.640 (41.7)                          | 1.500 - .1P - .1L |
| 24                   | 1 1/2 - 6 UN      | 2.125 (54.0) | 1.750 (44.5) | 1.765 (44.8)                          | 1.625 - .1P - .1L |

| Table IV: Mounting/Hardware Information |            |                |
|-----------------------------------------|------------|----------------|
| Shell Size                              | F Dia      | Mtg Screw Ref. |
| 10                                      | .125 (3.2) | No. 4          |
| 12                                      | .125 (3.2) | No. 4          |
| 14                                      | .125 (3.2) | No. 4          |
| 16                                      | .125 (3.2) | No. 4          |
| 18                                      | .125 (3.2) | No. 4          |
| 20                                      | .125 (3.2) | No. 4          |
| 22                                      | .125 (3.2) | No. 4          |
| 24                                      | .156 (4.0) | No. 6          |

| Table VI: Replacement O-Ring Part Numbers |               |               |
|-------------------------------------------|---------------|---------------|
| Shell Size                                | Piston O-Ring | Flange O-Ring |
| 10                                        | 2-014         | 2-021         |
| 12                                        | 2-016         | 2-023         |
| 14                                        | 2-018         | 2-025         |
| 16                                        | 2-020         | 2-027         |
| 18                                        | 2-022         | 2-029         |
| 20                                        | 2-024         | 2-030         |
| 22                                        | 2-026         | 2-031         |
| 24                                        | 2-028         | 2-032         |

\*Parker o-ring part numbers  
Compound N674-70 or equivalent.

| Table V      |                  |
|--------------|------------------|
| Contact Size | Ø P              |
| 22D          | 0.021<br>0.018   |
| 20           | 0.024<br>0.028   |
| 16           | 0.0635<br>0.0615 |
| 12           | 0.095<br>0.093   |

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