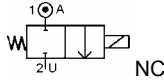


Media: air – water – gas – light oil - vacuum  
 Pressure range: 0 to 16 bar max  
 Media temperature: 80° C max  
 Ambient temperature: -10° to +50° C max  
 Media viscosity: 40 centistokes max  
 Mounting: any position  
 Weight (including coil): 175 g, 255g, 475g  
 Opening or Closing time: 20 mSec Max



# 2/2 Brass

## N/CLOSED 2 WAY DIRECT ACTING

### TYPE PU220AR



#### PRESSURE

| Ø Port  | Ø Orifice (mm) | Flow Rate<br>Cv<br>Ltr/ min | Coil Size | Pressure Rating (bar) |           |           | Seals | Max Media Temp °C | Part Number  | List Price |
|---------|----------------|-----------------------------|-----------|-----------------------|-----------|-----------|-------|-------------------|--|------------|
|         |                |                             |           | Min ΔP                | AC Max ΔP | DC Max ΔP |       |                   |  |            |
| 1/8 BSP | 1.2            | 0.7                         | 22001     | 0                     | 25        | 16        | NBR   | 60                | PU22001A + voltage<br>PU22001AE + voltage<br>PU22001AV + voltage | £24.86     |
|         |                |                             |           |                       |           |           | EPDM  | 80                |  | £30.24     |
|         |                |                             |           |                       |           |           | FKM   | 80                |  | £30.24     |
| 1/4 BSP | 2.3            | 2.0                         | 22001     | 0                     | 10        | 6         | NBR   | 60                | PU22002A + voltage<br>PU22002AE + voltage<br>PU22002AV + voltage | £24.86     |
|         |                |                             |           |                       |           |           | EPDM  | 80                |  | £30.24     |
|         |                |                             |           |                       |           |           | FKM   | 80                |  | £30.24     |
| 3/8 BSP | 8.0            | 19.0                        | 22003     | 0.1                   | 10        | 7         | NBR   | 60                | PU22003A + voltage<br>PU22003AE + voltage<br>PU22003AV + voltage | £34.80     |
|         |                |                             |           |                       |           |           | EPDM  | 80                |  | £46.87     |
|         |                |                             |           |                       |           |           | FKM   | 80                |  | £46.87     |

#### OPTIONS

|  |   |
|--|---|
| Connector PG9 – (DIN 43650 B 1/8 & 1/4) (DIN 43650A 3/8)                                 | <b>Included<br/>Included<br/>+£53.08<br/>+£80.38<br/>+10%</b> |
| IP65 coil  |   |
| Explosion Proof Coil PU22001 & 2: EExmII T4 II ATEX 2G IP65 T 130°C (Optional T6 T 85°C) |   |
| Explosion Proof Coil PU22003: EExmII T4 II ATEX 2G IP65 T 130°C (Optional T6 T 85°C)     |   |

#### ELECTRICAL DATA

| Voltage (-10% + 15%)<br>Continuous duty 100% | Coil Size | Power     |         | Insulation class | Enclosure                  | Electrical connections                         |
|--|-----------|-----------|---------|------------------|----------------------------|--|
|  |           | Inrush    | Holding |                  |                            |  |
| ~ 24 - 110 - 230 (50 or 60 Hz)               | 22001     | 11.6 VA   | 8.5 VA  | F 155°C          | IP 65<br>with<br>connector | 3 spades<br>DIN 43650<br>DIN 40050<br>VDE 0110 |
| = 12 - 24 (DC)                               |           | 4.5 Watts |         |                  |                            |  |
| ~ 24 - 48 - 110 - 220 - 380 (50 or 60 Hz)    | 22003     | 23VA      | 17VA    | H 180°C          |                            |  |
| = 12 - 24 - 48 (DC)                          |           | 15 watts  |         |                  |                            |  |

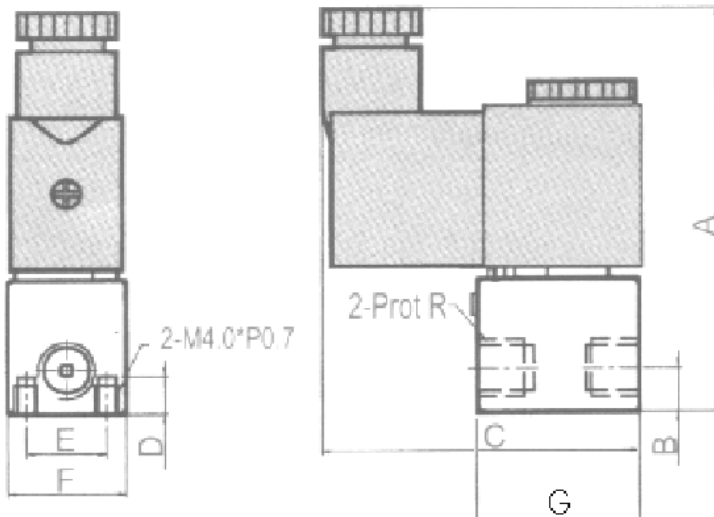
#### CONSTRUCTION

Body: Brass  
 Tube and internal parts: stainless steel  
 Seals and gaskets: NBR (Optional EPDM or FKM)  
 Moulded coil: resin

#### REPAIR KIT

|                             |                                      |
|-----------------------------|--------------------------------------|
| Coil                        | Coil size (22001 or 22003) + voltage |
| Complete plunger + O' rings | Coil size + seal material            |

#### OVERALL DIMENSIONS



| Model          | PU22001AR | PU22002AR | PU22003AR |
|----------------|-----------|-----------|-----------|
| Port           | 1/8 BSP   | 1/4 BSP   | 3/8 BSP   |
| A              | 72.0      | 75.0      | 95.5      |
| B              | 7.0       | 12.0      | 10.8      |
| C              | 60.0      | 66.0      | 77.0      |
| D              | 8.0       | 8.0       | 8.0       |
| E              | 15.0      | 19.0      | 20.0      |
| F              | 22.0      | 24.0      | 31.8      |
| G              | 22.0      | 35.0      | 55.0      |
| Locating Holes | M4        | M5        | M5        |