



7300 Series

Quarter-turn Plug Valves



The Hoke 7300 Series Plug Valve provides full flow or leak-tight shut off with just a quarter turn. The 7300 is recommended for use in applications where instant on-off and visual flow indication is essential. Its safe, reliable top-loaded design allows throttling of fluids and thru-port rodding of the valve. The simple design provides easy maintenance and extends valve life.

Applications

- Low pressure air lines
- Test benches
- Chromatographs
- Control panels
- Instrument lines for on/off service
- Isolation valves
- Sampling lines
- Pilot plant instrumentation

Technical Data

| | |
|--|---|
| BODY MATERIAL* | 316 stainless steel, brass |
| MAXIMUM UNIDIRECTIONAL OPERATING PRESSURE | 3000 psig (207 bar) |
| MAXIMUM REVERSE OPERATING PRESSURE | 200 psig with vent |
| MAXIMUM REVERSE OPERATING PRESSURE | 1000 psig (69 bar) |
| MAXIMUM OPERATING TEMPERATURE RANGE | -20° to 400° F (-29° C to 205° C) with fluoroelastomer seals |
| ORIFICE SIZES | 0.093 to 0.187 (2 to 5mm) |
| Cv (MAXIMUM) | 0.74 |

* Other materials available upon request

Benefits

Safety

- Dual retaining rings prevent accidental plug removal when the handle is not in place

Full flow

- Straight through orifice

Ease of maintenance

- Straight through bore allows rodding through body

Visual indication of flow

- Handle shape indicates flow direction

Quick actuation

- 90° on/off-instant control

Multifunctional

- Throttling capabilities

Safety handle

- Oval trip-proof handle prevents inadvertent actuation

Ease of repair

- Plug and o-ring are easily replaced

Reliable

- All valves are factory tested

Ease of operation

- Low operating torque

Easy installation

- Available with Gyrolok® flareless tube fittings
- Special High Tolerance NPT Thread

plug valves

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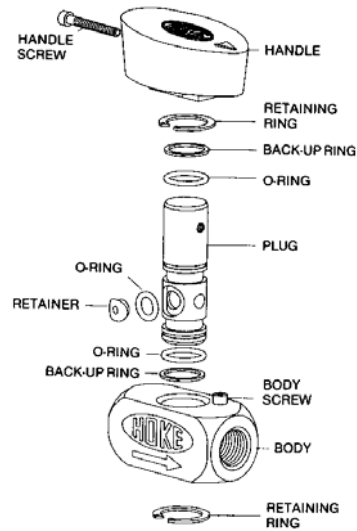
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7300 Series

Materials of Construction

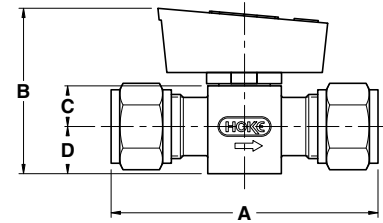
| COMPONENT | 316 STAINLESS STEEL | BRASS |
|----------------|-----------------------|-----------------------|
| Body | 316 stainless steel | Brass |
| Plug | 316 stainless steel | Brass |
| Plug coating | Fluoropolymer (black) | Fluoropolymer (green) |
| Handle | Nylon | Nylon |
| Retainer | PEEK™ | PEEK™ |
| O-rings* | Fluoroelastomer | Fluoroelastomer |
| Back-up rings | PTFE | PTFE |
| Retaining ring | Stainless steel | Stainless steel |
| Body screw | Stainless steel | Stainless steel |
| Handle screw | Stainless steel | Stainless steel |
| Lubricant | Fluorocarbon | Fluorocarbon |

* Standard on 7312



Dimensions (inches)

| END CONNECTIONS | PART NUMBER | | ORIFICE | Cv | A | B | C | D | BODY WIDTH |
|-----------------|-------------|---------------------|---------|------|------|---|------|------|------------|
| | BRASS | 316 STAINLESS STEEL | | | | | | | |
| 1/8 female NPT | 7312F2B | 7312F2Y | 0.187 | 0.74 | 1.90 | 2 | 0.50 | 0.50 | 1 |
| 1/8 Gyrolok® | 7312G2B | 7312G2Y | 0.093 | 0.12 | 2.20 | 2 | 0.50 | 0.50 | 1 |
| 1/4 female NPT | 7312F4B | 7312F4Y | 0.187 | 0.74 | 2.10 | 2 | 0.50 | 0.50 | 1 |
| 1/4 Gyrolok® | 7312G4B | 7312G4Y | 0.187 | 0.74 | 2.37 | 2 | 0.50 | 0.50 | 1 |
| 3/8 Gyrolok® | 7312G6B | 7312G6Y | 0.187 | 0.74 | 2.50 | 2 | 0.50 | 0.50 | 1 |
| 1/2 Gyrolok® | — | 7312G8Y | 0.187 | 0.74 | 3.08 | 2 | 0.50 | 0.50 | 1 |



How to Order

73 1 2 G4 Y

| | |
|---|--|
| <p>BODY OPTIONS</p> <ul style="list-style-type: none"> 1 Standard body 7 Down stream vent (see below) <p>O-RING MATERIAL</p> <ul style="list-style-type: none"> 1 Nitrile 2 Fluoroelastomer (standard) 3 EPR | <p>BODY MATERIAL</p> <ul style="list-style-type: none"> B Brass Y 316 stainless steel <p>END CONNECTIONS</p> <ul style="list-style-type: none"> F2 1/8 female NPT F4 1/4 female NPT G2 1/8 Gyrolok® G4 1/4 Gyrolok® G6 3/8 Gyrolok® G8 1/2 Gyrolok® (316 stainless steel only) |
|---|--|

Down Stream Vent

Down stream vent allows down stream pressure to be relieved to atmosphere through a small hole in the body. To order, select '7' under Body Options.

Repair Kits

- SP7300K1 includes the fluoroelastomer o-rings, retainer, retaining rings, and PTFE back-up rings.
- SP 300K2 includes the brass plug.
- SP7300K3 includes the 316 stainless steel plug.

Lock-Out Kit

7300K2

Colored Handles

Colored handles provide a visual identification of valves used in various applications. Refer to the chart below for ordering information:

| PART NUMBER | HANDLE COLOR |
|-------------|--------------|
| 96159-030 | Red |
| 96159-031 | Blue |
| 96159-033 | Green |

For Your Safety

It is solely the responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation, and maintenance of these products. Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or property damage.