

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) 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

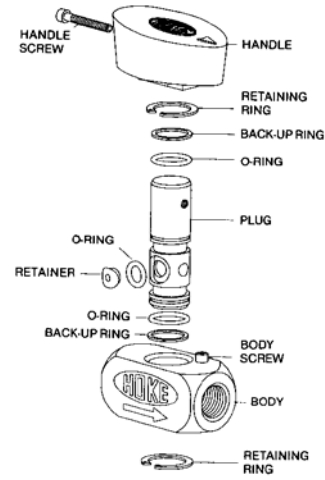
plug valves

7300 Series

Materials of Construction

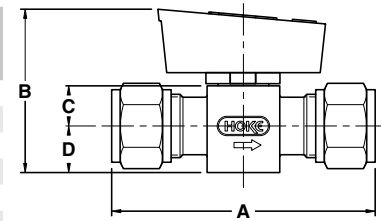
COMPONENT	316 STAINLESS STEEL	BRASS
Body	316 stainless steel	Brass
Plug	316 stainless steel	Brass
Plug coating	Fluoropolymer (black)	Fluoropolymer (green)
Handle	Nylon	Nylon
Retainer	PEEK™	PEEK™
O-rings*	Fluoroelastomer	Fluoroelastomer
Back-up rings	PTFE	PTFE
Retaining ring	Stainless steel	Stainless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

BODY OPTIONS ————— **73 1 2 G4 Y**

1 Standard body
7 Down stream vent (see below)

O-RING MATERIAL —————

1 Nitrile
2 Fluoroelastomer (standard)
3 EPR

BODY MATERIAL

- B Brass
Y 316 stainless steel

END CONNECTIONS

- 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