

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 OPERATING TEMPERATURE RANGE	1000 psig (69 bar)
ORIFICE SIZES	-20° to 400° F (-29° C to 205° C) with fluoroelastomer seals
Cv (MAXIMUM)	0.093 to 0.187 (2 to 5mm)
	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

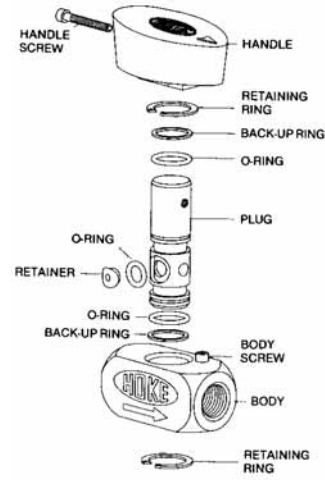


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Materials of Construction

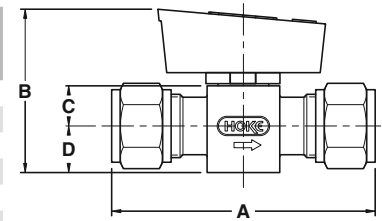
COMPONENT	316 STAINLESS STEEL	BRASS
Body	316 stainless steel	Brass
Plug	316 stainless steel	Brass
Plug coating	Fluoropolymer (black)	Fluoropolymer (green)
Handle	Nylon	Nylon
Retainer	PEEK™	PEEK™
O-rings*	Fluoroelastomer	Fluoroelastomer
Back-up rings	PTFE	PTFE
Retaining ring	Stainless steel	Stainless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

* Standard on 7312

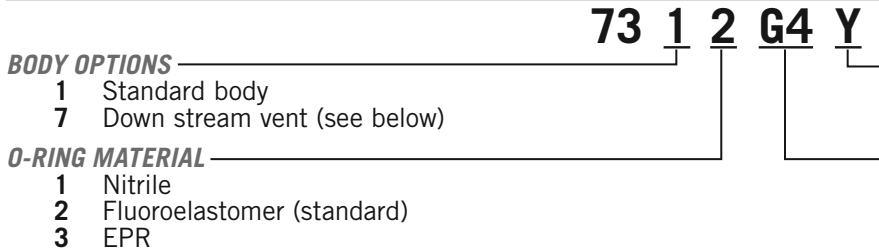


Dimensions (inches)

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 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