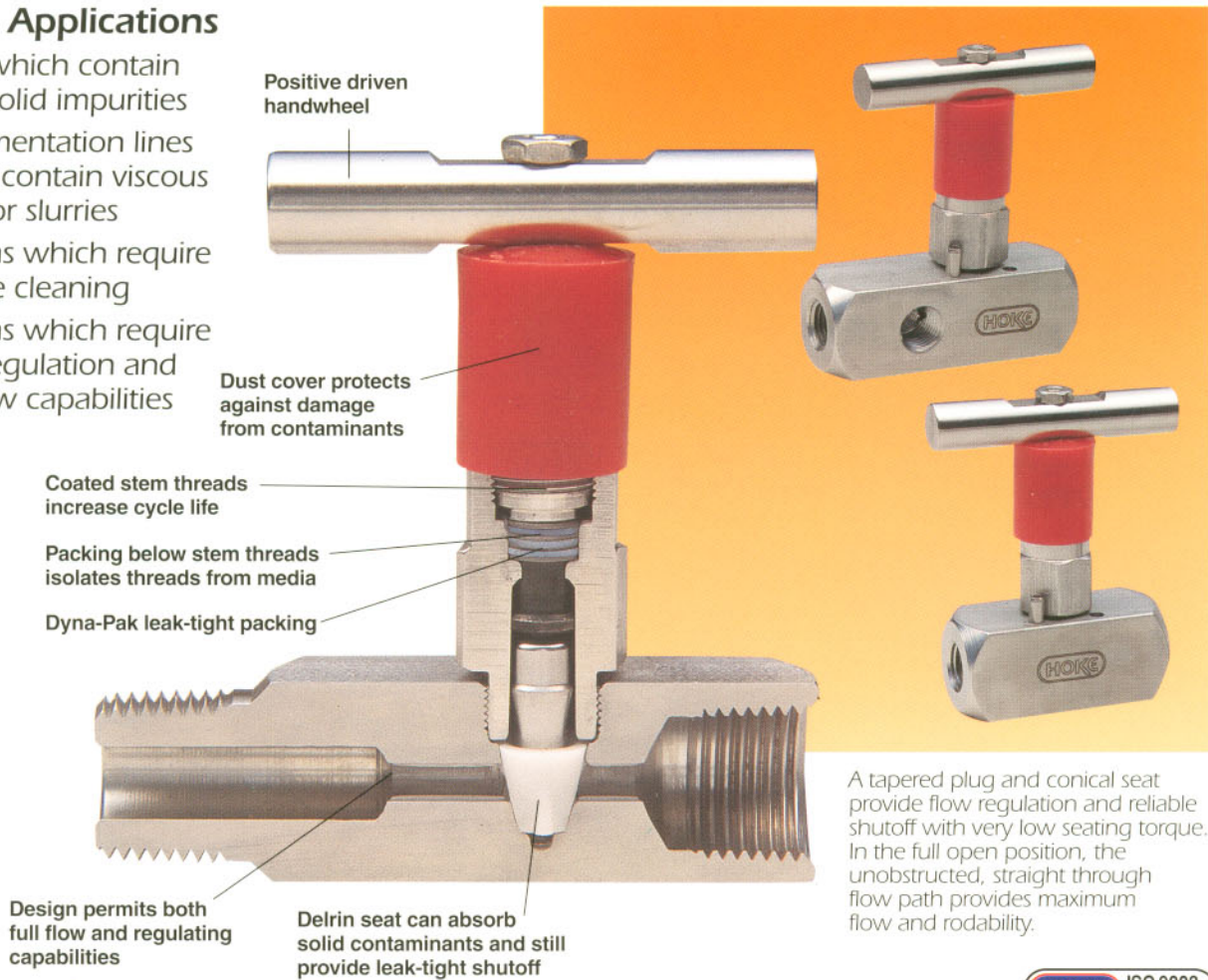




# 7400 Series Rising Stem Plug Valve

## Typical Applications

- Lines which contain small solid impurities
- Instrumentation lines which contain viscous fluids or slurries
- Systems which require routine cleaning
- Systems which require flow regulation and full flow capabilities



A tapered plug and conical seat provide flow regulation and reliable shutoff with very low seating torque. In the full open position, the unobstructed, straight through flow path provides maximum flow and rodability.



## Technical Data

**Maximum Operating Pressure:**  
6000 PSIG @ 70°F (41.4 MPa @ 21°C)

**Operating Temperature Range:**  
-20° to 250°F (-29° to 121°C)

**Orifice Sizes:**  
.187 and .250

**Cv Factors:**  
.83 and 1.20

**End Connections:**  
¼ to ½ NPT

## Benefits

**Safety**  
Back seating is standard.

**Straight through flow**  
High Cv and rodability.

**Regulating capability**  
Design allows flow regulation similar to that of a needle valve.

**Helps reduce fugitive emissions**  
Dyna-Pak® packing provides a leak-tight seal with low operating torque in deep vacuum or high pressure applications.



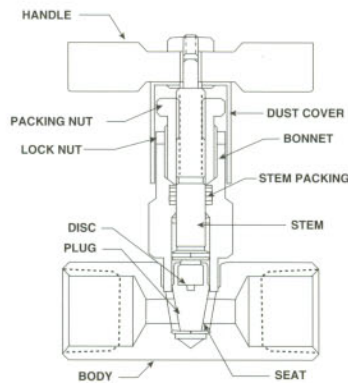
**Extended valve life**  
Soft Delrin® seat can absorb solid contaminants and still provide leak-tight shutoff. Delrin maintains its toughness and remains springy under a wide range of temperature conditions, enduring high fatigue and resisting both creep and corrosion.

**Dependability**  
All valves are tested for bubble-tight leakage at both seat and packing.

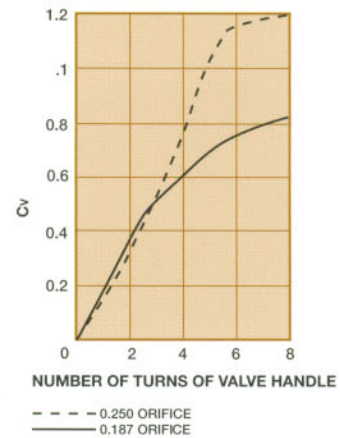
# 7400 Series

## Materials of Construction

Body	316 SS
Bonnet	316 SS
Stem	17-4PH SS
Disc	17-7 SS
Plug	316 SS
Seat	Delrin
Stem Packing	TFE/316 SS
Packing Nut	XM-28 SS
Lock Nut	316 SS
Handle	316 SS
Dust Cover	Polyethylene



## Flow Curve HANDLE TURNS VS. Cv



## Valve Ordering Chart

### 7400 Series

End Connections		Order by Part Number		Orifice	Cv
Inlet	Outlet	Standard	Guage Porting		
1/4 Female NPT	1/4 Female NPT	7451F4Y	7471F4Y	.187	.83
1/2 Female NPT	1/2 Female NPT	7461F8Y	—	.250	1.20
1/2 Male NPT	1/2 Female NPT	7461L8Y	—	.250	1.20

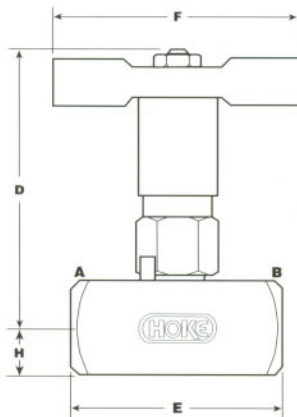
Other end configurations, including Hoke Gyrolok®, are available. Please contact your local Hoke distributor for details.



7451F4Y

## Dimensions Chart

### 7400 Series



Inlet A	Outlet B		D	E	F	H
1/4 Female NPT	1/4 Female NPT	inch	3 7/32	2 1/4	2 5/8	1/2
		mm	82	57	67	13
1/4 Female NPT	1/4 Female NPT Guage Porting	inch	3 7/32	2 7/8	2 5/8	1/2
		mm	82	73	67	13
1/2 Female NPT	1/2 Female NPT	inch	3 7/32	2 21/32	2 5/8	1/2
		mm	82	68	67	13
1/2 Male NPT	1/2 Female NPT	inch	3 7/32	3 1/2	2 5/8	1/2
		mm	82	89	67	13

For other valves, refer to your Hoke binder or consult your Hoke distributor.

For a safer system turn to Hoke guaranteed valves and fittings.



Hoke Incorporated

405 Centura Court ■ Spartanburg, SC 29303 ■ USA  
864-574-7966 ■ FAX: 864-587-5608

## 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.

Distributed by: