

# Ultramite™ 70 Series

## Ultramite™ 7065 Series (3-way Valve)



Cv Factors: 0.15 to 0.57

The Ultramite™ 7065 3-way ball valve uses 180° handle rotation for diverting flow from one line to another. The oval handle points to the port in use. When the handle is perpendicular to the valve body it is in the shutoff position.

### Typical Applications

- Analyzer labs
- Sampling systems
- Fluid diverting/switching

### Technical Data

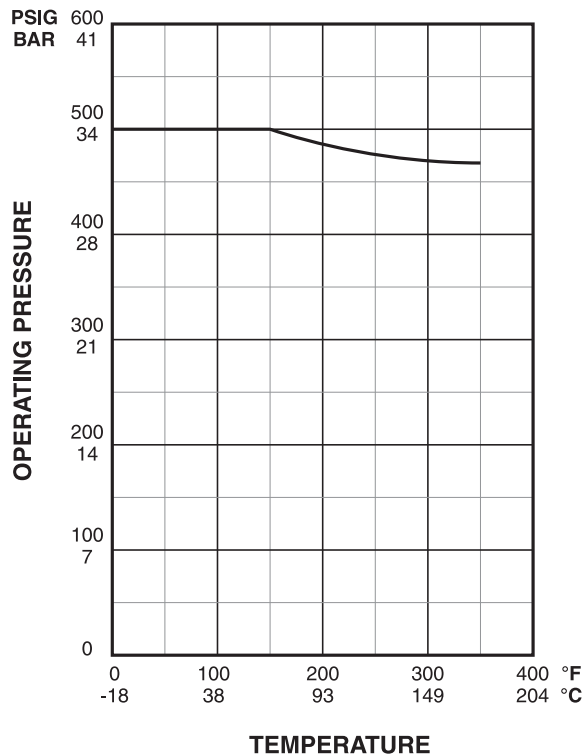
<b>BODY MATERIAL</b>	316 stainless steel, brass, Monel®
<b>OPERATING PRESSURE RANGE</b>	Moderate vacuum* to 500 psig @ 70° F (34.5 bar @ 21° C)
<b>OPERATING TEMPERATURE RANGE</b>	0° F to +350° F (-18° C to +177° C)
<b>ORIFICE SIZE</b>	0.187" (4.8mm)
<b>Cv FACTORS</b>	0.15 to 0.57
<b>END CONNECTIONS</b>	1/8" to 3/8" Gyrolok® 1/4" NPT

\* Moderate vacuum is 10<sup>-3</sup> to 20 torr.

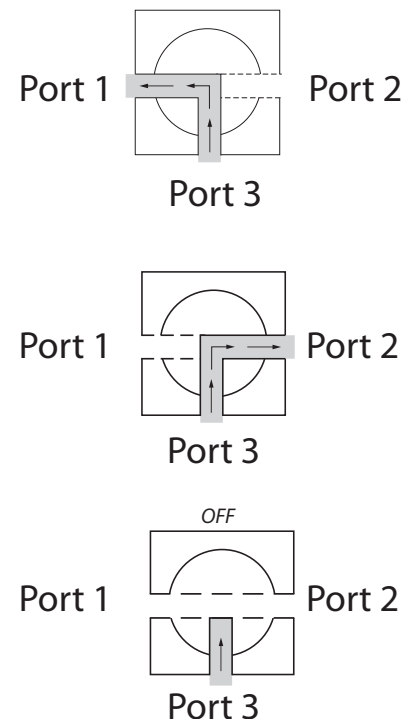
### Features & Benefits

- Welded ends secure the end fittings preventing accidental disassembly, enhancing safety.
- Oval trip-proof handle helps prevent accidental actuation for safer operation. The handle also serves as a visual indicator of the port in use, or closed position for increased safety.
- Dyna-Pak® packing provides a leak-tight seal with low operating torque in vacuum or high pressure applications, helping to prevent fugitive emissions.

### Pressure vs. Temperature Curve

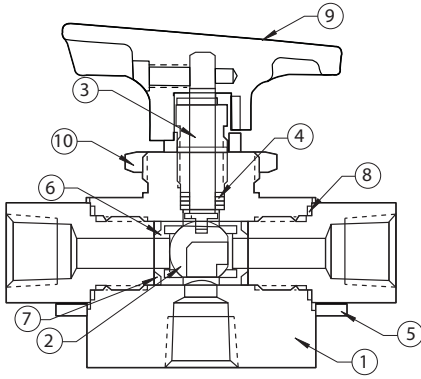


### Flow Diagrams 3-way valve



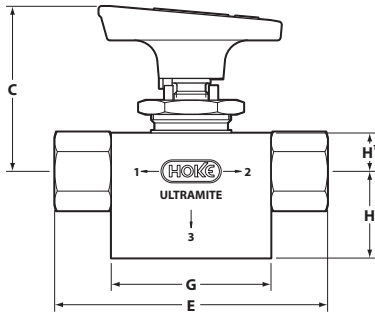
# Ultramite™ 70 Series

## Materials of Construction



DESCRIPTION	BRASS	316 STAINLESS STEEL	MONEL®
1 Body	Brass	316 stainless steel	Monel®
2 Ball	316 stainless steel	316 stainless steel	Monel®
3 Stem	316 stainless steel	316 stainless steel	Monel®
4 Stem packing	TFE/316 stainless steel wafers	TFE/316 stainless steel wafers	TFE/Monel® wafers
5 Seats	TFE	TFE	TFE
6 Seat retainers	Brass	316 stainless steel	Monel®
7 Seat washers	TFE	TFE	TFE
8 End fittings gaskets	TFE	TFE	TFE
9 Handle	Nylon	Nylon	Nylon
10 Panel mounting nut	Nickel-plated brass	316 Stainless Steel	Nickel-plated brass

## Dimensions



END CONNECTIONS		C	E	G	H	H'
1/8" Gyrolok®	inch	1 <sup>15</sup> / <sub>16</sub>	3 <sup>7</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	2	7 <sup>1</sup> / <sub>16</sub>
	mm	49	87	44	51	11
1/4" Gyrolok®	inch	1 <sup>15</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>16</sub>
	mm	49	92	4	52	11
1/4" female NPT	inch	1 <sup>3</sup> / <sub>4</sub>	3	1 <sup>3</sup> / <sub>4</sub>	1 <sup>5</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>16</sub>
	mm	44	76	44	24	11
3/8" Gyrolok®	inch	1 <sup>15</sup> / <sub>16</sub>	3 <sup>7</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>4</sub>	2 <sup>3</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>16</sub>
	mm	49	98	44	56	11

### Panel Mounting

Panel hole: 5<sup>7</sup>/<sub>64</sub>" (23mm) diameter

Panel thickness: 3<sup>3</sup>/<sub>16</sub>" (5mm) diameter

*Dimensions for reference only, subject to change.*

## How to Order



7065F4Y

### Ultramite™ 7065 Series Pressure to 500 psig (35 bar)

END CONNECTIONS		ORDER BY PART NUMBER				
INLET	OUTLET	BRASS	316 ST. STEEL	MONEL®	ORIFICE	Cv
1/8" Gyrolok®	1/8" Gyrolok®	7065G2B	7065G2Y	—	0.093	0.15
1/4" Gyrolok®	1/4" Gyrolok®	7065G4B	7065G4Y	7065G4M	0.187	0.57
1/4" female NPT	1/4" female NPT	7065F4B	7065F4Y	7065F4M	0.187	0.57
3/8" Gyrolok®	3/8" Gyrolok®	7065G6B	7065G6Y	7065G6M	0.187	0.57

## Ultramite™ 70 Series Ball Valve Options

### Handle Locking Kit

Safety lockout kits are available for applications which must conform to Code of Federal Regulations 29CFR Part 1910, OSHA

Safety and Health Act, and other international regulations. Valves can be locked in either an opened or closed position with the stainless steel upper and lower locking plates. Lock with readily available padlocks or commercially available multiple lockout devices. Locking kits include the locking plates and assembly instructions. To order a safety lockout kit for Ultramite™ 7015 and 7022 Series valves, specify kit 7100K18; for Ultramite™ 7092 and 7093 Series valves, specify kit 7200K7; for 7065 Series valve, specify kit 7600K1.

### Cleaning and Testing

When ordering, please specify if oxygen cleaning or helium leak testing is required.

### Additional Sizes

Additional sizes and options are available on special request. Please consult your local HOKE distributor.

## ***For Your Safety***

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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.

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