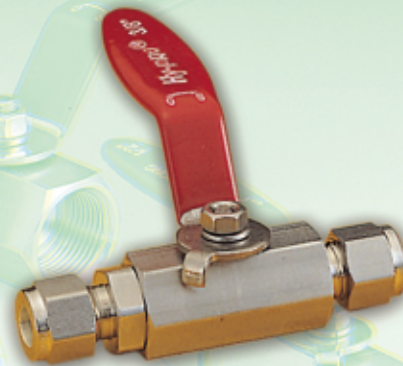


Hy-Lok 110 Series

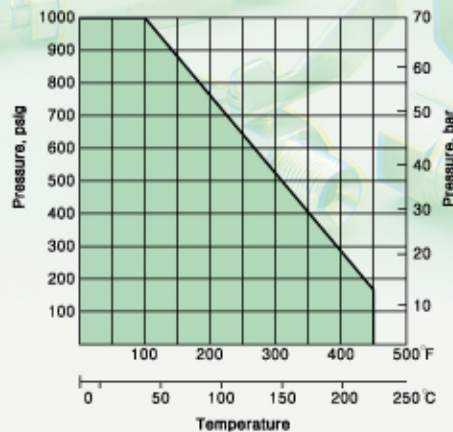
Ball Valves

for Use with 1/4" thru 1" Tube and Piping Systems

Catalog No. H-110BV
Jan. 2002



PRESSURE - TEMPERATURE RATINGS



Applications

Chemical plants, refineries, steel mills,
Fuel Lines, Heavy Vehicles

Features

- **Maximum Operating Pressure** of 1000psig(69bar) @ 100°F(38°C) with reinforced PTFE
- **Compact design** with one piece hexagon body
- **Low torque** for easy operation
- **Butterfly handle** is available as an option



HY-LOK CORPORATION

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Materials of Construction

| Item | Description | Grade / ASTM Specification | |
|------|---------------|----------------------------|-------------|
| | | SS316 | Brass |
| 1 | Handle | SS430 | |
| 2 | Stem | SS316 | |
| 3 | Lock Nut | SS304 | |
| 4 | Spring Washer | SS304 | |
| 5 | Gland Washer | SS304 | |
| 6 | Gland | SS304 | |
| 7 | Outer Packing | Reinforced PTFE | |
| 8 | Inner Packing | Reinforced PTFE | |
| 9 | Ball | SS316 / A479 | |
| 10 | Seat | Reinforced PTFE | |
| 11 | Insert | SS316 / A479 | |
| 12 | End Connector | SS316 / A479 | Brass / B16 |
| | | with O - Ring* | |
| 13 | Nut | SS316 / A479 | Brass / B16 |
| 14 | Ferrule | SS316 / A479 | Brass / B16 |
| 15 | Body | SS316 / A479 | Brass / B16 |

*O-Ring of NBR standard, FPM(e.g. viton)on request.

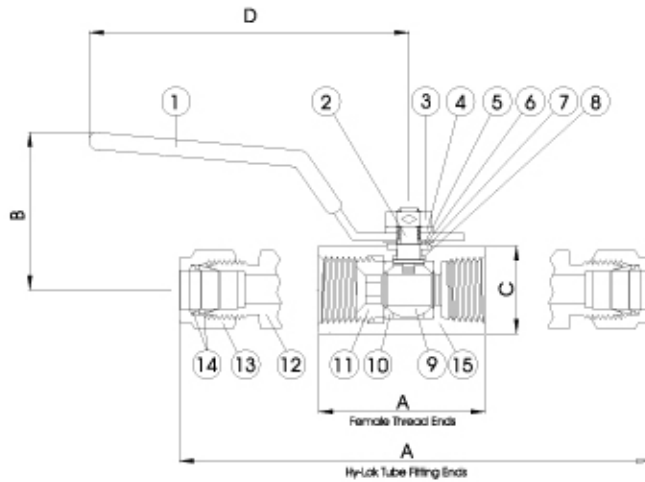
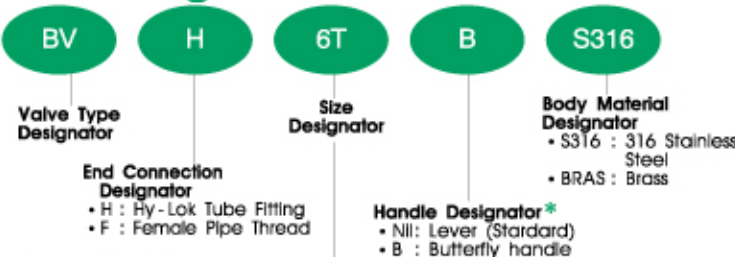


Table of Dimensions

| Basic Part No. | Orifice | End Connections | | Dimensions | | | | Weight (Kg) |
|----------------|---------------|-----------------|------|------------|---------|-----|------|-------------|
| | | Both Ends | A | B | C (Hex) | D | | |
| BVH - 6M | 5.0 | 6mm Hy - Lok | 79.5 | 31 | 17 | 60 | 0.13 | |
| BVH - 4T | | 1/4" Hy - Lok | 79.5 | | | | 0.13 | |
| BVF - 4N | | 1/4" Female NPT | 40 | | | | 0.07 | |
| BVH - 10M | 7.5 | 10mm Hy - Lok | 90 | 40 | 20.6 | 80 | 0.22 | |
| BVH - 6T | | 3/8" Hy - Lok | 90 | | | | 0.22 | |
| BVF - 6N | | 3/8" Female NPT | 45 | | | | 0.13 | |
| BVH - 12M | 9.0 | 12mm Hy - Lok | 99 | 42 | 27 | 80 | 0.34 | |
| BVH - 8T | | 1/2" Hy - Lok | 99 | | | | 0.34 | |
| BVF - 8N | | 1/2" Female NPT | 54.5 | | | | 0.21 | |
| BVH - 16M | 12.5 | 16mm Hy - Lok | 109 | 51 | 32 | 100 | 0.49 | |
| BVH - 10T | | 5/8" Hy - Lok | 109 | | | | 0.49 | |
| BVF - 12N | | 3/4" Female NPT | 61 | | | | 0.33 | |
| BVH - 12T | | 3/4" Hy - Lok | 110 | | | | 0.57 | |
| BVH - 16T | | 1" Hy - Lok | 134 | | | | 0.85 | |
| BVF - 16N | 1" Female NPT | 75 | 0.60 | | | | | |

All dimensions are in millimeters. Dimensions shown with Hy-Lok nuts in finger-tight position, where applicable.

Ordering Information



| Thread(in.) | 1/4 | 3/8 | 1/2 | 3/4 | 1 |
|-------------|-------|-------|-------|--------|--------|
| Designator | 4N(R) | 6N(R) | 8N(R) | 12N(R) | 16N(R) |

• Tube

| Fractional Tube | O.D.(in.) | 1/4 | 5/16 | 3/8 | 1/2 | 5/8 | 3/4 | 7/8 | 1 |
|-----------------|-----------|-----|------|-----|-----|-----|-----|-----|-----|
| Designator | | 4T | 5T | 6T | 8T | 10T | 12T | 14T | 16T |

| Metric Tube | O.D.(mm) | 6 | 8 | 10 | 12 | 15 | 16 | 22 | 25 |
|-------------|----------|----|----|-----|-----|-----|-----|-----|-----|
| Designator | | 6M | 8M | 10M | 12M | 15M | 16M | 22M | 25M |

Note* : No designator is required for standard, e.g. BVH6T-S316

SAFETY in VALVE SELECTION

Proper installation, materials compatibility, operation and maintenance of these valves are the responsibility of the user. The total system design must be taken into consideration to ensure optimal performance and safety.

QUALITY SYSTEM CERTIFICATES



TYPE APPROVALS (for Hy-Lok Tube Fittings)



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