

Hy-Lok 110 Series

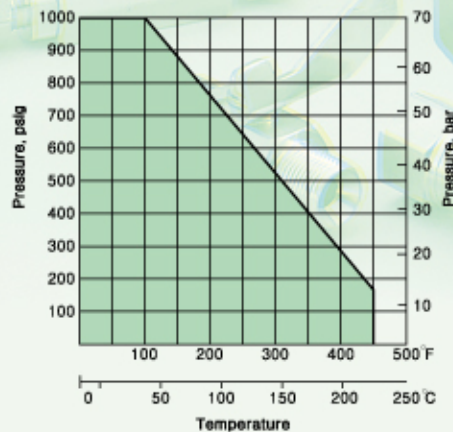
Ball Valves

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.

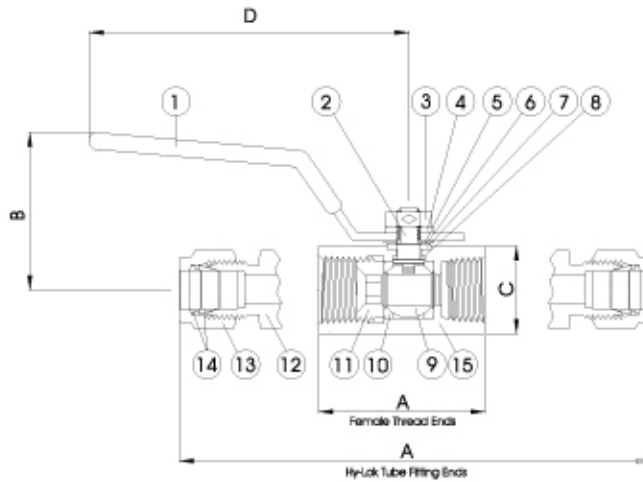
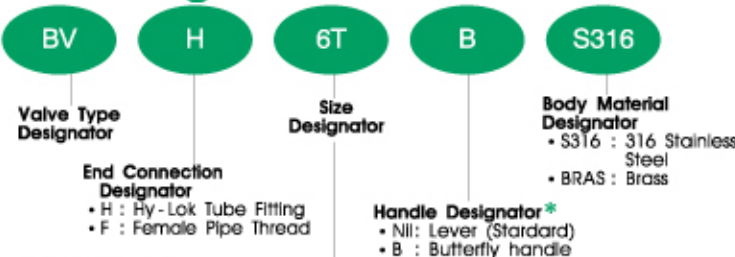


Table of Dimensions

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



* NPT (ISO / BSP)

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



ISO 9001
CERTIFICATE NO.GQC 212

ASME SECT II (MO)
CERTIFICATE NO. QSC 584

TYPE APPROVALS (for Hy-Lok Tube Fittings)



American Bureau Shipping
CERTIFICATE NO.00-BK50288-X



Lloyd's Register
CERTIFICATE NO.01/10075



GERMANISCHER LLOYD
CERTIFICATE NO.57798-91 HH



DET NORSKE VERITAS
CERTIFICATE NO.P-9100



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