TETRAPY

2WAY HBV BALL VALVE

HBV SERIES

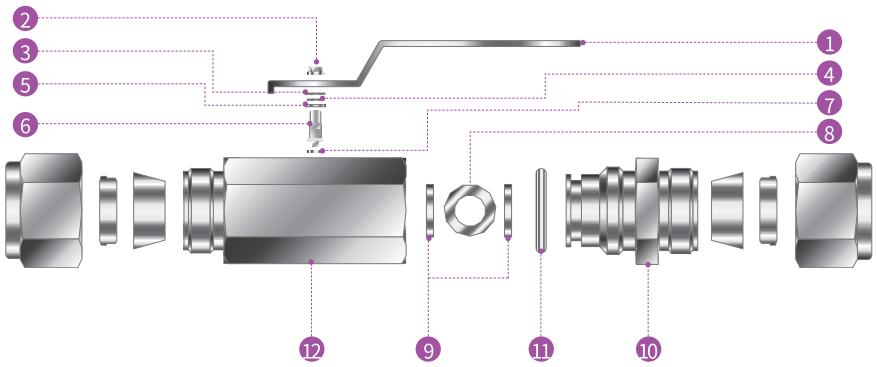
DESIGN FEATURE

❖Compact design with one piece hexagon body construction.
❖2-way straight pattern.
❖Free floating ball design provides seat wear compensation.
❖Micro-finished ball provides a leak-tight seal.
❖Positive and safe handle stop.
❖Low operating torques with stainless steel lever handle.
❖Provide quick 1/4 turn on-off control.
❖Color coated stainless steel lever handle.
❖Handle indicate flow direction.
❖Various end connections.

APPLICATION

Fuel Lines, Refineries, Chemical Plants, Steel Mills, Heavy Vehicles

MATERIALS OF CONSTRUCTION



Item	Part Description	Stainless Steel	Brass
1	Handle	SS304	
2	Lock Nut	SS304	
3	Washer	SS304	
4	Washer	SS304	
5	Outer Packing	Reinforced PTFE	
6	Stem	SS316	
7	Inner Packing	Reinforced PTFE	
8	Ball	SS316	
9	Seat Ring	Reinforced PTFE	
10	End Connector	SS316	Brass / B16
11	O-Ring	NBR	
12	Body	SS316	Brass / B16

HOW TO ORDER

HBV	D	8T	ST	S
D-LOK VALVE TYPE DESIGNATOR	END CONNECTION DESIGNATOR	SIZE DESIGNATOR	HANDLE DESIGNATOR	BODY MATERAL
	• D: D-LOK TUBE FITTING • F: FEMALE PIPE THREAD		• ST: STANDARD LEVER HANDLE • B: OPTIONAL BUTTERFLY HANDLE	• S: SS316 • B: Brass

• 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

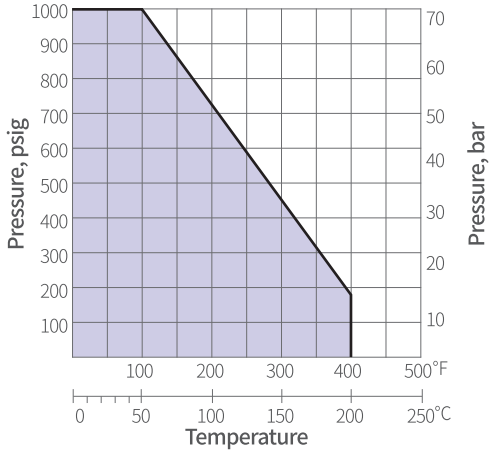
FACTORY TESTING

❖Every D-LOK 100 Series Ball is adjusted for factory testing at 1000psig (69 bar) with nitrogen.
❖Seat tests have a maximum allowable leak rate of 0.1 sidcm³/min
❖The pecking is tested with nitrogen no detectable leakage.

CLEANNING AND PACKING

❖All valves are cleaned and packaged in accordance with D-LOK stanard cleaning packaging procedures.

PRESSURE - TEMPERATURE RATINGS



SAFE IN VALVE SELECTION

❖Selections of valve function and rating, proper installation, material compatibility, operation and maintenance of these valve are the responsibility of the user.
❖The system design, application must be taken into consideration to ensure optimal performance and safety.
❖We accept no liability for any improper selection, installation, operation or maintenance.

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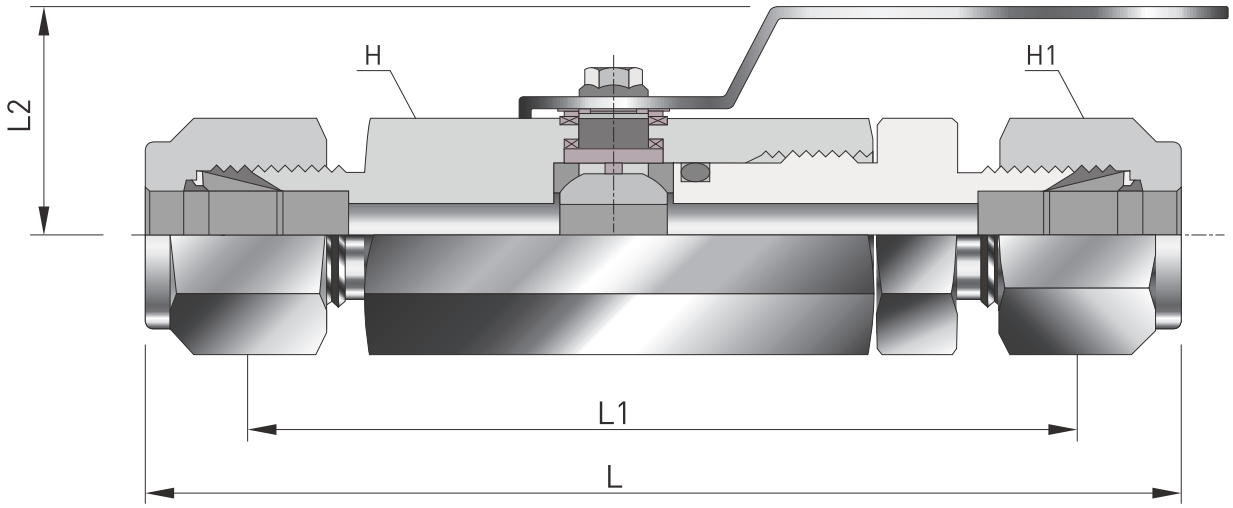

ORDERING INFORMATION AND TABLE OF DIMENSIONS

Basic Part No.	End Connections	Dimensions(mm)					Orifice (mm)	Weight (kg)
	Both ends	L	L1	H	H1	L2		
HBVD-6M	6mm D-lok	79.5	31.0	17.4	14.2	60	5.0	0.14
HBVD-4T	1/4" D-lok	79.5						0.14
HBVF-4N	1/4" Female NPT	40.0						0.07
HBVD-10M	10mm D-lok	90.0	40.0	22.2	17.4	80	7.5	0.23
HBVD-6T	3/8" D-lok	90.0						0.23
HBVF-6N	3/8" Female NPT	45.0						0.14
HBVD-12M	12mm D-lok	99.0	42.0	26.9	22.2	80	9.0	0.36
NBVD-8T	1/2" D-lok	99.0						0.36
HBVF-8N	1/2" Female NPT	54.5						0.22
HBVD-16M	16mm D-lok	109.0	51.0	31.7	28.5	100	12.5	0.51
HBVD-10T	5/8" D-lok	109.0						0.51
HBVF-12N	3/4" Female NPT	61.0						0.34
HBVD-12T	3/4" Female NPT	110.0						0.57
HBVD-16T	1" D-lok	134.0	55.0	38.0	38.0	100	16.0	0.87
HBVF-16N	1" Female NPT	75.0						0.62

※ All dimensions show are for reference purposes only, are subject to change.