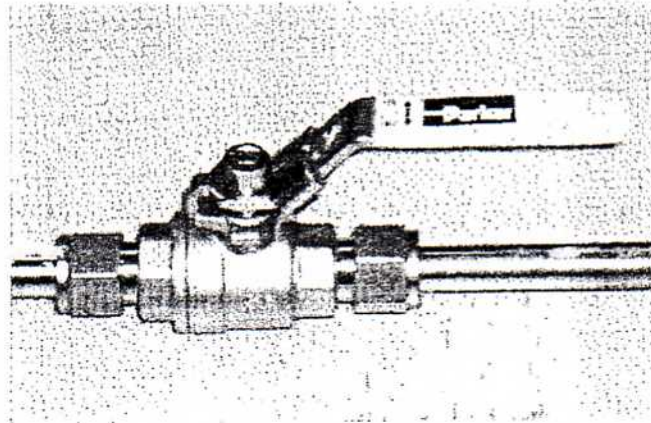


Introduction

Parker's LB-Series Low Pressure Ball Valve offers quick, quarter turn shut off capability for chemical, petrochemical, oil & gas, pulp & paper, and instrumentation applications. The LB-Series is designed with integral compression end connections to eliminate the need for additional tube to pipe unions. With its blow out resistant stem, standard locking lever handle and integral compression end connections, the LB-Series is an excellent, cost effective choice for tubing applications ranging in size from ¼" to 1".



Features

- Integral compression end connections
- Blow-out resistant stem
- Positive handle stops
- Locking lever handle
- Straight through flow path
- Stainless steel construction

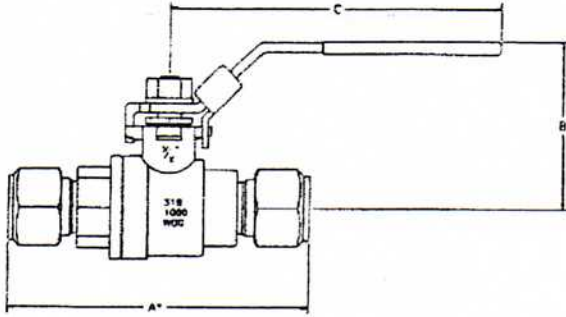
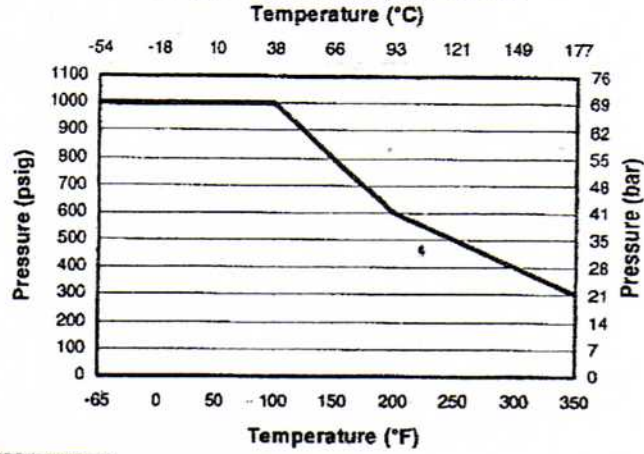
Specifications

- Pressure rating: 1000 psig (69 bar) CWP
- Temperature rating: -65 °F to 350 °F (-54 °C to 177 °C)
- Orifice: .135" to .810" (3.4 mm to 20.6 mm)
- Flow coefficient (C_v): .491 to 32
- Body material: Stainless steel
- Body configuration: In-line
- Port connections: Tube compression (CPI™ / A-LOK®)
- Port size: ¼" to 1"

Materials of Construction

Part	Material
Cap	A351-CF8M
Joint Gasket	PTFE
Ball Seat	PTFE
Ball	A351-CF8M
Stem	AISI-316
Thrust Washer	PTFE
Stem Packing	PTFE
Gland	AISI-304
Washer	AISI-304
Nut	AISI-304
Body	A351-CF8M
Handle	AISI-304
Cover	PLASTIC
Lock	AISI-304

Pressure vs. Temperature



Dimensions

Port Size	Body Part #	End Connections	Dimensions - inches (mm)		
			A	B	C
4A	LB4L	1/4" A-LOK®	3.38 (85.8)	1.85 (47.0)	3.98 (101.1)
4Z	LB4L	1/4" CPI™	3.38 (85.8)	1.85 (47.0)	3.98 (101.1)
6A	LB6L	3/8" A-LOK®	3.38 (85.7)	1.85 (47.0)	3.98 (101.1)
6Z	LB6L	3/8" CPI™	3.38 (85.7)	1.85 (47.0)	3.98 (101.1)
8A	LB8L	1/2" A-LOK®	4.07 (103.4)	1.97 (50.0)	3.98 (101.1)
8Z	LB8L	1/2" CPI™	4.07 (103.4)	1.97 (50.0)	3.98 (101.1)
12A	LB12L	3/4" A-LOK®	4.46 (113.0)	2.99 (75.0)	4.76 (121.0)
12Z	LB12L	3/4" CPI™	4.46 (113.3)	2.99 (76.0)	4.76 (121.0)
16A	LB16L	1" A-LOK®	5.16 (131.1)	3.19 (81.0)	5.39 (137.0)
16Z	LB16L	1" CPI™	5.16 (131.1)	3.19 (81.0)	5.39 (137.0)

* For CPI™ and A-LOK®, dimensions are measured with nuts in the finger tight position.

How to Order

The correct part number is easily derived by following the circled number sequence.

Example: 4Z - LB4L - I - SS
 ① ② ③ ④

This example describes a 2-way, stainless steel LB4 series ball valve with 1/4" CPI® inlet and outlet compression ports, PTFE seats and packing, and stainless steel body construction.

1 End Connection	2 Valve Series	3 Seat Material	4 Body Material
4Z - 1/4" CPI™	LB4L	T - PTFE	SS - Stainless Steel
4A - 1/4" A-LOK®	LB4L		
6Z - 3/8" CPI™	LB6L		
6A - 3/8" A-LOK®	LB6L		
8Z - 1/2" CPI™	LB8L		
8A - 1/2" A-LOK®	LB8L		
12Z - 3/4" CPI™	LB12L		
12A - 3/4" A-LOK®	LB12L		
16Z - 1" CPI™	LB16L		
16A - 1" A-LOK®	LB16L		



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