



Bottom Outlet Valve

FEATURES:

- Unique, patented ceramic ball/wiper technology
- Ceramic ball withstands extreme temperatures & corrosion
- Seat material is TFM (super-Teflon)
- Performance-tested for severe service in asphalt, sulphur and crude oil
- Easy-turn handle meets FRA/AAR mandate
- Constant force at stem packing
- Stainless steel or carbon body
- Low profile design
- Jacketed and non-jacketed available



BOV saddle



BOV handle

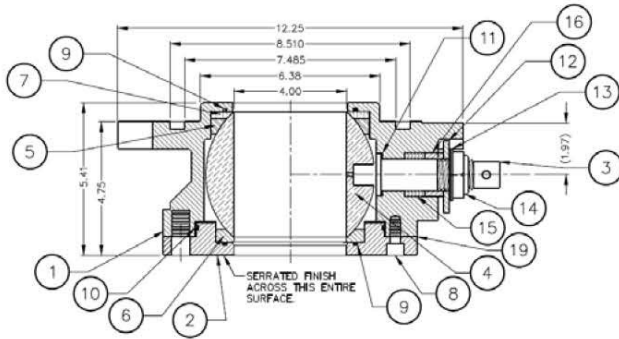


BOV Specifications

Max PSI: 275
Max Temperature: 400°
Height: 5.41"
Flange Thickness: 0.94"
Port: 4" (Full)
AAR FST: ST457 & ST463



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Valve Model	KBOV-P-316
Port	4" (Full)
Max Pressure (psig)	275
Max Temperature (F°)	400
Packing Nut Torque (ft-lbs)	80-100
Handle Rotation	Open – Counterclockwise Close - Clockwise
Standard Weight (lbs)	64
Flange Thickness (in)	0.94
Bolt Hole Diameter (in)	0.88
Bolt Circle (in)	10.63
Number of Holes	8

			AAR Approval Number**	KBOV-P-316
				E162100**
ITEM #	QTY.	DESCRIPTION		MATERIAL
1	1	Body*		Stainless Steel
2	1	Seat Retainer*		Stainless Steel
3	1	Stem		Stainless Steel
4	1	Ball		Ceramic
5	1	Top Seat		TFM
6	1	Bottom Seat		TFM
7	1	Ceramic Wiper		Ceramic
8	6	Socket Head Cap Screw		Alloy Steel
9	2	Top Body/Bottom Seat O-Ring		Elastomer
10	1	Bottom O-Ring		Elastomer
11	1	Thrust Washer		PTFE
12	1	Stop Indicator Plate		Steel
13	1	Wave Spring		Stainless Steel
14	1	Stem Lock Nut		Steel
15	1	Stem Packing (4-Rings)		PTFE
16	1	Packing Spacer		Stainless Steel
19	1	Retainer Spacer Weldment		Stainless Steel
	1	Nameplate (Not Shown for Clarity)		Aluminum
	2	Nameplate Rivet (Not Shown)		Stainless Steel
	4	Retainer Plate Set Screws (Not Shown)		Stainless Steel

Notes:

Stainless Steel Composition – 316L*

O-Ring Material Composition Based on Specification

Mounting Gasket are not Supplied. Recommended Size (in): 8.50 O.D. X 7.50 I.D. x 0.13 Thick

Mounting Bolts are not Supplied

Note: Mounting flange gasket not supplied

Detailed Drawings available upon request.

**Under Service Trail ST-463