

## CBV (Ceramic Lined Ball Valve)

In a world of harsh environments equipment life and reliability are key to keeping your process running smoothly and maintenance free. With a C.L. Smith Industrial Company supplied ceramic lined ball valve part of your operation can meet that goal.

Ceramics are well-suited for abrasive or erosive applications and also allow for use in aggressive and high pressure applications. Ceramic materials offer excellent corrosion resistance, are suitable for use in a wide range of organic or inorganic chemicals and the ceramics are the only components wetted by the process media. Ceramic lined ball valves are highly resistant to cavitation and can be used in services with high differential and high velocity.

Housings are manufactured from 304 stainless steel for durability against environmental corrosion and the standard ceramic offering of zirconia is (9) times more wear resistant than carbon steel.

### CBV is ideal for use in:

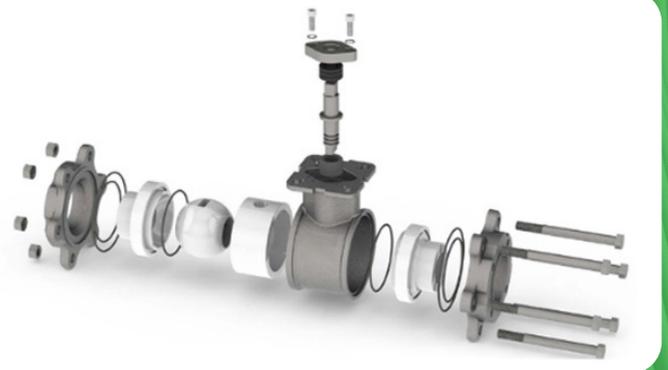
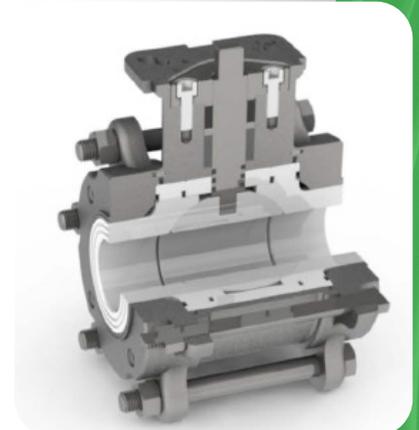
- Mining
- Power Generation
- Steel Manufacturing
- Cement
- Grain Processing
- Water Treatment
- Chemical, Oil and Gas

### Advantages of CBV include:

- ✓ Good for use in control and shutoff applications
- ✓ Bi-directional
- ✓ Fully ceramic lined
- ✓ Customizable with multiple trim and ceramic material options

### Available Ceramic Materials

- Partially Stabilized Zirconia
- Sintered Silicon Carbide
- Alumina 99.5%

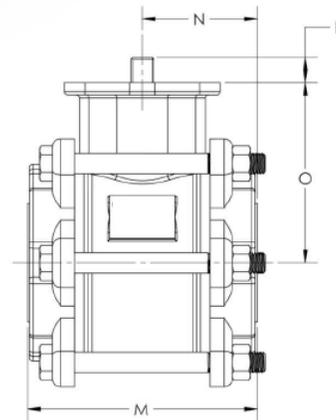
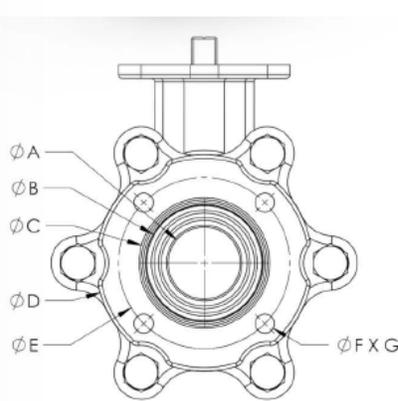


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 Experts in custom wear solutions for  
 over 40 years

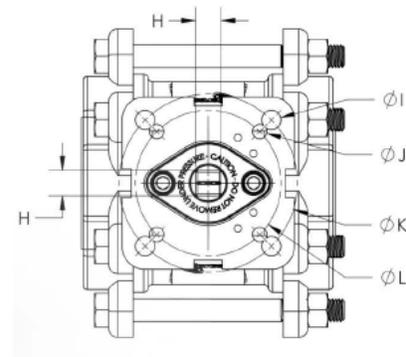


### Available Sizes

Part Number	Size (in)	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	G (qty)	M (in)	N (in)	O (in)	P (in)
CBV-1000	1	1.00	1.63	2.00	4.25	3.12	1/2-13 UNC	4.00	5.00	2.50	4.00	0.68
CBV-1500	1 1/2	1.50	2.38	2.88	5.00	3.88	1/2-13 UNC	4.00	6.50	3.25	5.00	0.76
CBV-2000	2	2.00	3.25	3.62	6.00	4.75	5/8-11 UNC	4.00	7.00	3.50	5.50	0.76



Part Number	Size (in)	H (in)	I (in)	J (in)	K (in)	L (in)
CBV-1000	1	0.55	0.53	0.40	4.92	4.02
CBV-1500	1 1/2	0.70	0.53	0.40	4.92	4.02
CBV-2000	2	0.70	0.53	0.40	4.92	4.02



### Available Trims

30° V-Port



45° V-Port



60° V-Port



90° V-Port



Round Port



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[clsmithindustrial.com](http://clsmithindustrial.com)

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