

Catalyst S Zorb™

Proven reliable in processing sorbent/catalyst high-cycle lockhopper applications, the CSZ-2 incorporates many design features of the robust MOGAS C-Series valve line. Customized to combat erosive, corrosive conditions and high temperature, the bi-directional CSZ-2 uses dual springs and O-rings to form a tight Class VI seal.

Applications

Catalyst handling
Propylene

Specifications

Size: 1 to 14 inch (25 to 350 dn)
Temperature: up to 600° F (315° C)
Pressure: ASME 150 to 600 Class

End Connections

Raised Face Flange (RFF)

Features

Straight-through Bore Path

- Rotating ball does not displace volume or solids
- Protects sealing surfaces from flow in open / closed position

Tight Shutoff in Either Direction

- Dual springs and O-rings provide long-term tight shut off to API 598 and ANSI Class VI

Ball & Seats

- Metal-seated, floating ball design
- Wide seat sealing surface
- SphereSeal™ lapping process on ball and seat set provides 100% sealing through the full transition between open and closed position
- Constant contact, fully tracking seats design
- Field-replaceable, independent metal seats wipe sealing surface of ball clean during operation

Bill of Materials

Item No.	Description	Material
1	Ball	410SS / CC Coated
2	Seat	Stellite® 3
3	Seat Springs	Inconel 718
4	O-Rings	Perfluoroelastomer
5	Body	A182-F316SS
6	Stem	Inconel 718
7	Inner Stem Seal	Stellite® 3
8	Gland Flange	A276-F316SS
9	Stem Packing	Graphite
10	End Connect	A182-F316SS
11	Body Gasket	Inconel 600 / Grafoil
12	Mounting Flange	A276-F316SS
13	Flange Bushing	Carbon Steel

SS = Stainless Steel
CC = Chromium Carbide

