

Lewis® Sulphuric Acid Valves

Globe Valve

Technical Specifications

WEH

Minerals



Our Lewis® range of pumps, valves and alloys are a trusted partner in the sulphur, sulphuric acid and phosphoric acid industries.

Our Lewis® range of products includes pumps, valves and alloys, including the family of Lewmet® alloys. These specialty alloys are designed to specifically provide superior erosion resistance combined with outstanding corrosion protection in the operating environment of contact process sulphuric acid producing plants.

Specified when a linear flow control is needed or can be used as a tight shut-off when pressure drop is not critical.

Lewis® globe valves are designed with all metal construction featuring Lewmet® nickel chrome alloys. Lewmet® alloys are highly specialised metallurgy for the harsh sulphuric acid environment.

The Lewis® globe valve V-port disc provides linear flow control and are used as “stop” valves where tight shut-off is needed and pressure drop is not critical.

Lewis® globe valves can be furnished with a variety of automatic actuators.

Design Features

- Robust materials of construction to combat the effects of a corrosive environment
- Class IV shut-off

Design Standards

Drilled to ANSI, BS, DIN, or, JIS standards

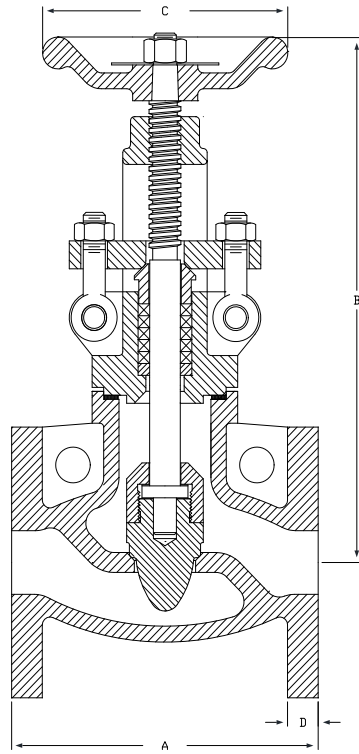
Specifications

All Lewmet® alloy construction-modified parabolic port sizes 15-150mm (1/2”-6”)

Temperature 140°C (280°F)/HRS: 240°C (460°F)

Materials

Lewmet® alloy and stainless steel



Lewis® Globe Valve Dimensions

SIZE		A		B				C		D	
in	mm	in	mm	OPEN	CLOSED	OPEN	CLOSED	in	mm	in	mm
0.5	12	4.25	117	9.25	235	8	203	4	102	0.375	10
0.75	19	4.625	117	9.5	241	8.25	210	4	102	0.4375	11
1	25	5	127	9.5	241	8.25	210	4	102	0.5	13
2	50	8	203	13.125	333	12.12	308	8	203	0.625	16
3	75	9.5	241	15.875	403	14.36	365	10	254	0.75	19
4	100	11.5	292	17	432	14.96	380	12	305	0.937	24
6	150	16	406	22.625	575	19.62	498	14	356	1	25

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