
6-3/8" 10,000 PSI BI-DIRECTIONAL DUAL BALL VALVE.
Features:

- ▷ **2-off 6-3/8" bi-directional ball valves.**
- ▷ **Hydraulically actuated.**
- ▷ **Compact & lightweight design.**
- ▷ **Validation in accordance with API 17G 3rd Edition.**

DESIGN DATA

Nominal Bore Diameter	6-3/8" (161.9 mm)
Design Pressure	Working: 10,000 psi (68.9 MPa) Test: 15,000 psi (103.4 MPa)
Design Standards	API 17G 3 rd Edition 2019 (ISO 13628-7), API 6A 21 st Edition 2019 (ISO 10423), NACE MR0175 2015 (ISO 15156)
Temperature Class (Design)	API 6A Class U (0°F to 250°F / -18°C to +121°C)
Service	CO ₂ , H ₂ S (NACE MR0175 / ISO 15156)
Material Class	EE
Product Specification Level	PSL 3G
Design Validation Level	API 17G 3 rd Edition SSL-Gas

VALVE INTERFACES

Design Standard	API 17G 3rd Edition 2019, API 6AF2 5th Edition 201
Upper End Connection	7-1/16" 10K API 6BX Studded (BX-156)
Lower End Connection	7-1/16" 10K API 6BX Flange (BX-156)
Hydraulic Control Lines	1/4" MP A/Clave
Side Inlet/Outlets	3 off 1" Inlet/Outlets

PERFORMANCE DATA

Maximum Bore Pressure	10,000 psi (68.9 MPa)
Maximum Hydraulic Pressure	5,000 psi (34.5 MPa)
Actuator Volume (Total, Approx.)	0.1 U.S. Gallons (0.2 litres) per Actuator
Acceptable Hydraulic Fluid	Any water or oil-based control fluid

WEIGHT AND DIMENSIONS

Overall Height (Nominal)	48.45" (1,231 mm)
Overall Height (Incl. Studs)	54.54" (1,385 mm)
Overall Width (Nominal)	18.880" (480 mm)
Gross Dry Weight (Approx.)	3,036 lb (1,377 kg)

FUNCTIONAL CAPACITIES

Maximum Tension @ RWP *	290 kip (1,289 kN)
Maximum Moment @ RWP *	70 ft-kip (95 kNm)
Maximum Tension @ 0 ksi *	1,090 kip (4,848 kN)
Maximum Moment @ 0 ksi *	270 ft-kip (366 kNm)

* Limited by flange capacity, as defined in API 6AF2 for studs with $S_y = 105$ ksi and pre-load tensile stress equal to 52.5 ksi. If crossover flanges are installed on the valve, the load capacity of the assembly may be reduced.

VALIDATION LEVEL

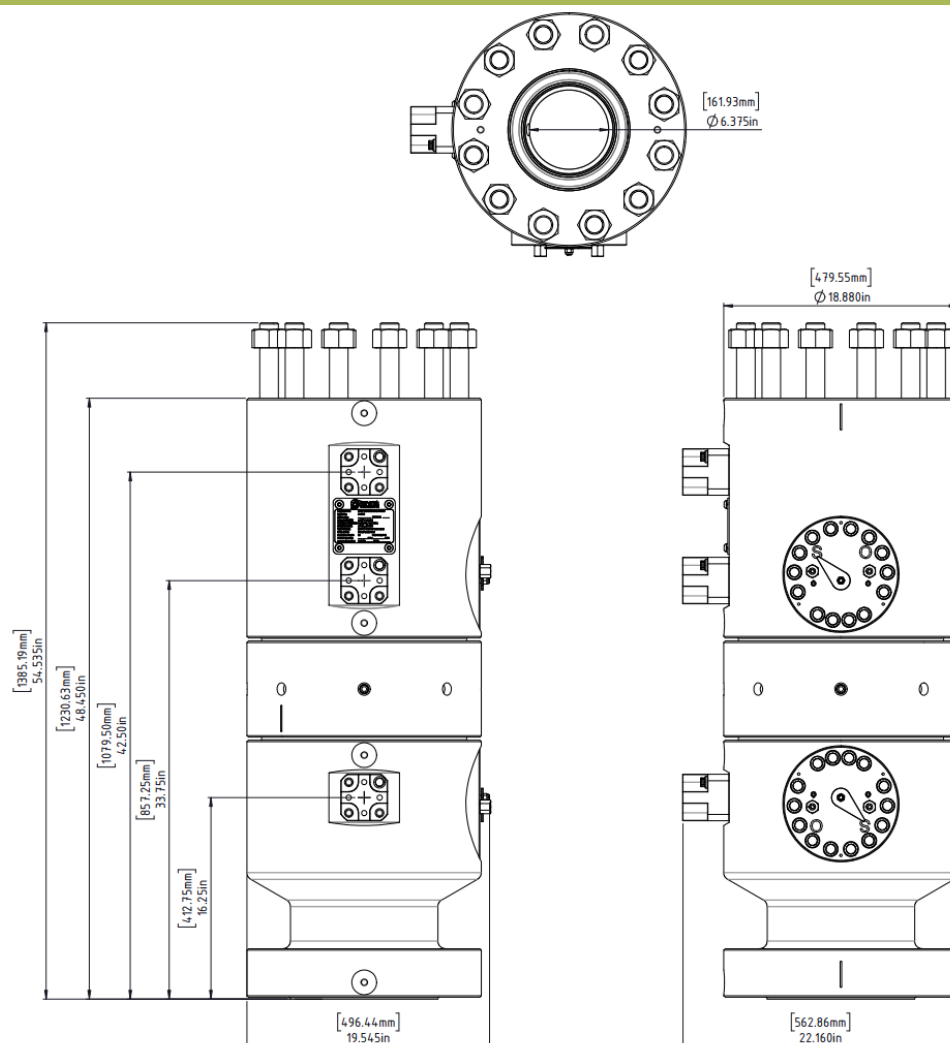
Service Specification Level	API 17G SSL-Gas
Temperature Class (Operational)	32°F to 198°F / -0°C to +92°C
Water Depth	Surface
Slurry Class	API 17G Class B

NOTES

Maximum Differential Breakout Pressure 500 psi (3.45 Mpa)

Opening the valve repeatedly under differential pressure will lead to increased seal wear and shorten the time between service intervals.

PRODUCT LAYOUT



The information in this document is uncontrolled and subject to change without notice.

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