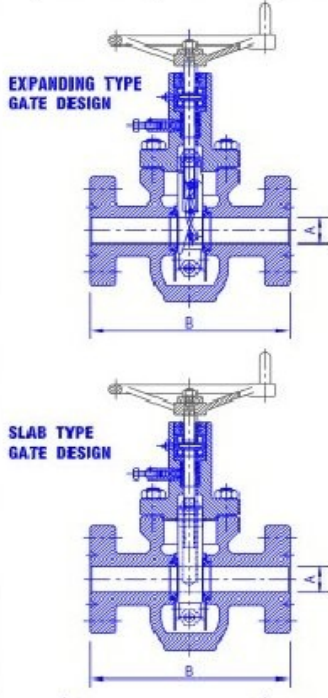


API - 6A GATE VALVE

AVM Gate Valve conforming to API-6A Standard are of full bore, through conduit, parallel expanding gate and slab type of non-rising stem design - ideally suited for application in Well Control.



DESIGN FEATURES

Tight and positive seal

- ▶ AVM API - 6A gate valve has parallel expanding gate that produces an extraordinary high seating force
- ▶ Positive shut-off on both upstream and downstream seats.
- ▶ This seating force is absolutely mechanical and unaffected by line pressure fluctuations and vibrations.

FULL FLOW

The full round bore, through-conduit design allows the fluids to flow through the valve smoothly without causing turbulence.

Permanent Lubrication for wearing surfaces

Gate, expanding / Slab type segment and stem of AVM API - 6A Gate Valve are treated by a special stellite / Nitriding treatment to ensure reduced friction, low consistent torque and resistance to seizure.

TESTING

These valves are subjected to stringent quality control to ensure soundness of raw materials used. Hydrostatic body, seat tests and drift test are conducted on these valves. Drift test ensures passage of tools through the valve in fully open condition.

MATERIAL SPECIFICATION

Service	Trim Code	Pressure rating	Material			
			Body & Bonnet	Gate & Segment	Seats	Stem
General Oil field Service Oil & Gas	A-21	2000 3000 5000	60K Alloy Steel	4140*	4140*	4140*
General Service With Slight Corrosion-CO ₂	A-22	2000 3000 5000	60K or 75K Alloy Steel	410 S/S* H	410 S/S* H	410 S/S*
Corrosive Service slight CO ₂ No H ₂ S	A-23	2000 3000 5000	CA 15 Stainless Steel	410 S/S* H	410 S/S* H	410 S/S*
Sour Gas & H ₂ -H ₂ S Needs NACE MR-01-75	A-24	2000 3000 5000	60K or 75K Alloy Steel Rc-22	410 S/S (Rc-22) S-6	410 S/S (Rc-22) S-6	410 S/S (Rc-22) S-6

DIMENSIONAL DETAILS

NOM. SIZE (IN)	MAX. WP (PSI)	A (MM)	B (ENDS)	
			SCREWEND	FLANGED
2.1/16	2000	2.1/16 (52.4)	9.5/8 (244.5)	11.5/8 (295.3)
	3000		14.5/8 (371.5)	14.5/8 (371.5)
	5000		14.5/8 (371.5)	14.5/8 (371.5)
2.9/16	2000	2.9/16 (75.1)	10.1/4 (260.3)	13.1/8 (333.4)
	3000		16.5/8 (422.3)	16.5/8 (422.3)
	5000		16.5/8 (422.3)	16.5/8 (422.3)
3.1/8	2000	3.1/8 (79.4)	11.3/8 (288.9)	14.1/8 (358.8)
	3000		17.1/8 (435.0)	17.1/8 (435.0)
	5000		18.5/8 (473.1)	18.5/8 (473.1)
4.1/16	2000	4.1/16 (103.2)	13 (330.2)	17.1/8 (435.0)
	3000		20.1/8 (511.2)	20.1/8 (511.2)
	5000		21.5/8 (549.3)	21.5/8 (549.3)

ORDERING INFORMATION

Following information shall be furnished while ordering AVM API - 6A Gate Valves :

- * Size
- * Trim Code
- * Working Pressure
- * End Connection - Screwed / Flanged
- * Companion Flanges, Ring joint Gasket Studs, Nuts, if required.