

CAST GATE VALVES



AEW

Commitment To Quality



IC SS GATE VALVE

ONE-PIECE DESIGN BONNET

Cast Stainless steel. The one-piece design aligns stem accurately, eliminating excessive weight and unnecessary working parts. The bonnet is equipped with Stainless steel bushing, which serves as a guide for the stem. All the components are precision machined.

SOLID WEDGE

The low center stem to wedge contact in the gate valve reduces the torque considerably. Operation is easy and the wedge does not stick when the valve is closed hot and allowed to cool.

LEAK PROOF SEATS FOR LONG LIFE

Hard faced ensures long seat life. Hard seat concept is advantageous since seat faces are exposed to live fluid in open condition. This results in on-line impingement on seat faces. Seating faces are ground and lapped to mirror finish.

STEM

Heat treated AISI 316 Stainless steel with precision square thread. Uniform pull of the wedge in operation. Ground mirror like finish assures long life of packing which drastically reduces friction and ensures no leakages.

STRONGER, LEAK PROOF, BODY-BONNET JOINT, FULLY ENCASED GASKET

For Stainless steel valves we use P.T.F.E. gaskets. We use Teflon gland packing for smooth movement of the valve as well as ensuring zero leakage. The design of the gasket joint is critical. Its compression is better controlled in a fully encased cavity.

STUFFING BOX

In all valves the stuffing box is deep, has high quality finish and holds high pressure or temperature packing rings ensuring tightness and long packing life.

ENDS

All investment casted gates valves have screwed / socket weld ends.

Commitment To Quality

Material of Construction

1	BODY	CF 8M
2	BONNET	CF 8M
3	WEDGE	CF 8M
4	SEAT	CF 8M
5	STEM	AISI 316
6	STEM NUT	AISI 316
7	GLAND	AISI 316
8	PACKING	PTFE
9	HAND WHEEL	BAKELITE

The specifications and data in this leaflet are as accurate as possible. Improvements and modifications from time to time may necessitate change in design and dimensions.

Test Pressure

SHELL	20kg/cm ²
SEAT 15kg/cm ²	
SEAT AIR	07kg/cm ²

Dimensions

SIZE	LENGTH
1/2"	40mm
3/4"	44mm
1"	48mm
1 1/2"	Under development
2"	92mm



AEW VALVES PRIVATE LIMITED

MANUFACTURERS OF INDUSTRIAL VALVES

Opp. Dudheshwar Water Tank, Shahibaug,
Ahmedabad 380 004 Ph.: 25623325 Fax: 079-25631043
E-mail: enquiry@aevalves.com