

Uni - Directional KNIFE GATE VALVES SERIES - UD - 70

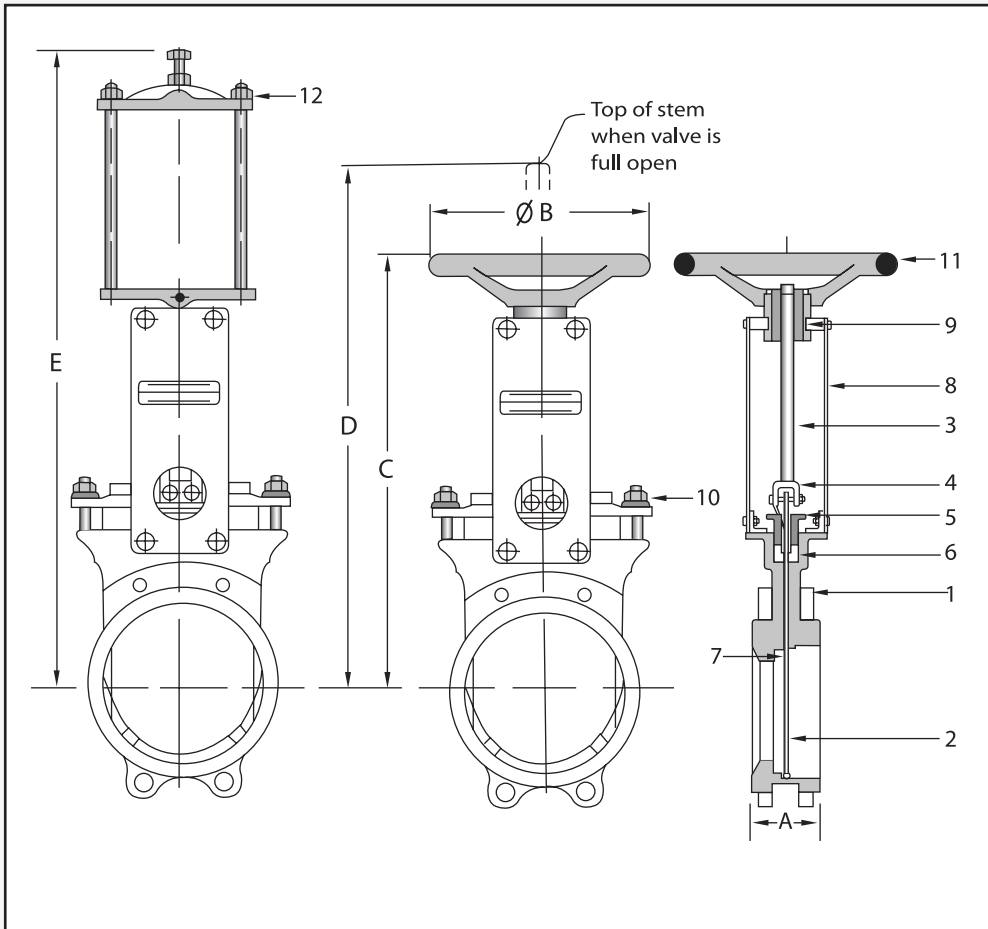


APPLICATIONS:

AMCO Knife Edge Gate Valves are designed for Isolation, On-off, and Throttling services in Paper and Pulp Industries, Power Plants, Steel Plants, Cement Plants, Sugar Industries, Chemical and Textile Processing Industries, Mining, Water and Sewage Plants to handle Slurries, Slag, Pulp and Fibrous Materials, Fly Ash, Powders, Clean or Corrosive gases.

SALIENT FEATURES:

- BODY : Cast corrosion resistant steels or Cast Iron body to provide resistivity against corrosion for all wetted parts.
- PORT DESIGN : Full Round Port Design allows high flow capacity and minimum pressure drop.
- END STYLE : Wafer Design - Flangeless, Full Lug or Two Lug Design of sleek construction for low headroom mountings.
- DRILLING : Options include ANSI, DIN and BS Standards.
- GATE : Stainless Steel and Special alloys. The gate is ground and buffed on both sides, to enhance packing life and ensure positive shut off, due to bevelled edge to cut through solid particles settled at the bottom.
- STEM : Stainless Steel or as desired, having double start thread rising spindle, for fast closing and opening. Threaded protection cap to prevent ingress of foreign material (optional).
- GATE GUIDE AND JAM : Gate guide provides support for moving gate. Gate jams provided at the bottom pushes the gate and holds it against the back seat ring to ensure positive shut off across the port.
- GLAND PACKING : Multilayer gland packing in a variety of materials to suit condition.
- SEAT : Metal seated for Leak Class IV acrosss the port. Resilient seated for Leak Class VI. The resilient seat, in various elastomers is bonded with a stainless steel seat ring.
- OPTIONAL ACCESSORIES : Deflection Cone or Baffle provided in the front end of the top housing to ensure flow of materials towards the centre. This helps in avoiding possible entrapment of granular material between the seal and front end of gate during closing operation. Scour plate of hinged design at the bottom, allows servicing of the valve without disturbing the line.
- CHOICE OF ACTUATORS : Hand wheel, Chain wheel, Bevel Gear, Pneumatic Cylinder or Electric Motor Actuators.



Maximum Working Pressure

Valve Working Pressure

50 mm - 300 mm - 150 psi
 400 mm - 450 mm - 75 psi
 500 mm - 600 mm - 50 psi

Working pressure will be 40 psi when supplied with ASBESTOS packing for valve up to 600 mm size.

Body Test Pressure (before assembly)

Valve body: St. Steel Cast Iron

50 mm - 350mm : 225 psi 150 psi
 400mm - 600mm : 100 psi 100 psi
 Above 600 mm : 50 psi 50 psi

Body test pressure will be 40 psi for Hopper isolation valves.

Manufacturing and Testing Standard: MSS - SP - 81

VALVE SIZE	DIMENSIONS IN MM				
	A	B	C	D	E
50	48	203	270	300	555
80	51	203	375	425	715
100	51	203	417	491	760
125	57	254	470	561	860
150	57	254	507	625	925
200	70	305	607	775	1097
250	70	406	707	905	1270
300	76	406	796	1045	1450
350	76	508	890	1220	1665
400	89	508	900	1275	1735
450	89	508	1020	1450	1880
500	114	508	1150	1630	2145
600	114	508	1330	1915	2420

NO	PART	MATERIAL SPECIFICATION
1	BODY	ASTM A351 GR CF8/CF8M/CF3/CF3M/CN7M ASTM A216 GR WCB/IS 210-FG 260
2	GATE	ASTM A479 TY304/316/304L/316L/A-20
3	STEM / PISTON ROD	ASTM A479 TY304/316/304L/316L/A-20
4	GATE ADAPTOR	ASTM A479 TY304/316/304L/316L/A-20
5	GLAND	SG IRON
6	GLAND PACKING	PTFE IMPREGNATED ASBESTOS/APT
7	SEAT	METAL INTEGRAL WITH BODY MATERIAL
		RESILENT VITON RS-48
8	YOKE	CARBON STEEL
9	YOKE SLEEVE	PHOSPHOR BRONZE
10	BOLT / NUTS	ASTM A193 GR B7/A 194 GR 2H
11	HAND WHEEL	MALLEABLE IRON
12	PNEUMATIC CYLINDER	ALUMINIUM

AMCO INDUSTRIAL VALVES

MANUFACTURERS ● IMPORTERS ● EXPORTERS

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AUTHORISED DEALERS

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