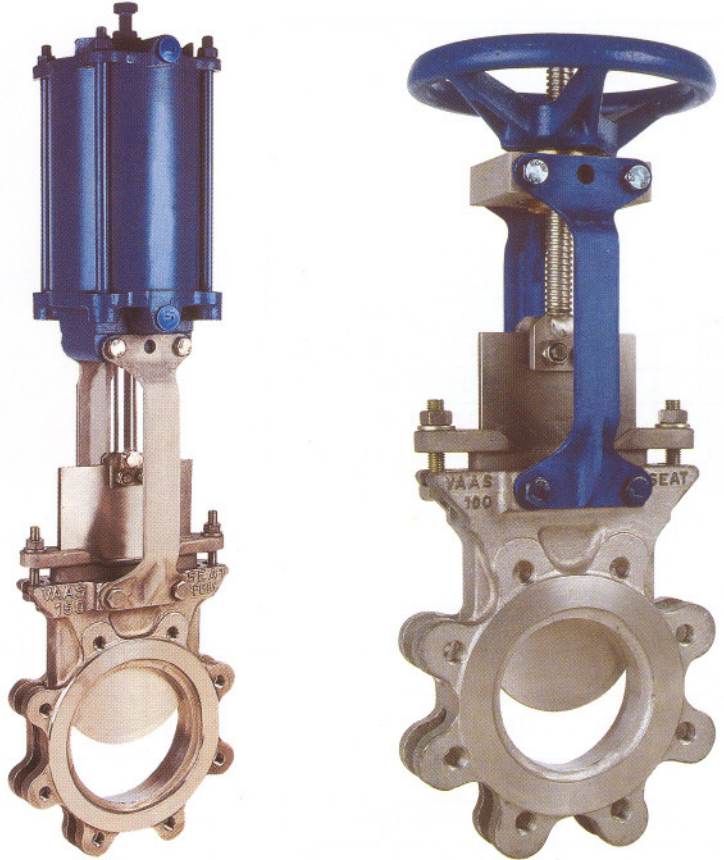


Model 940 Knife Gate Valve

Model 940 features a full lug single piece cast stainless steel body to cater to the more demanding applications. This model can be used with the same functionality of flanged valves, including end-of-line applications. Model 940 has a cast superstructure designed to have optimum flexural rigidity. The superstructure also allows interchangeability between manual and pneumatic actuators.

Cast single-piece body design is more rugged and offers better leak tightness than fabricated or cast two-piece body valves; it is also superior to valves with cast body and stainless steel lining which are more susceptible to corrosive and erosive wear.



SPECIFICATIONS

Type	Uni-directional knife gate valve
Size range	50mm to 600mm (higher sizes on application)
Rating	10 bar CWP upto 600mm for valves with body in SS and special alloys; 10 bar CWP upto 300mm, 5 bar on higher sizes upto 600mm with body in cast iron / ductile iron
Endstyle	Lugged, flangeless
Drilling	Options include ANSI, DIN, BS, JIS and AS standards; others on request
Body	Stainless Steel and special alloys
Gate	Stainless Steel and special alloys
Seat	Integral metal-to-metal, replaceable soft-seat (EPDM, Viton etc)
Packing	Braided yarn, PTFE (different grades) and others
Actuator	Handwheel, chainwheel, bevel gear handwheel or chainwheel, VAAS Pneumatic double-acting cylinder and electric actuators
Accessories & Options	Various accessories and special construction options are available for this model. Please refer relevant Product Datasheets for details

TEST SPECIFICATIONS

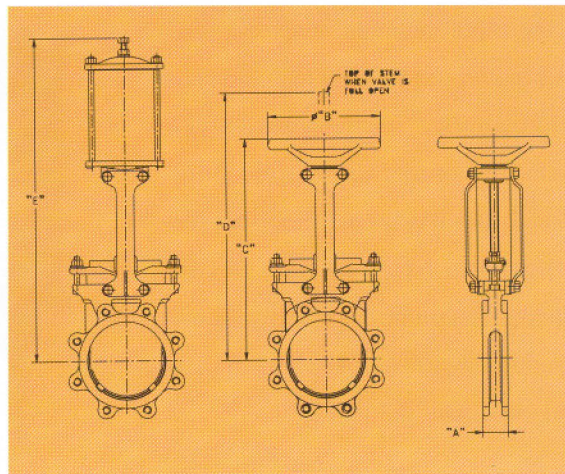
Body shell test	As per MSS SP-81 norms Hydrotest at 1.5 times CWP for cast iron valves
Seat leakage test	Metal seated valves As per MSS SP81 norms Proprietary norms on larger sizes Resilient seated valves Zero leakage

PAINTING

Except for stainless steel components, all exteriors will be painted with blue enamel paint. Special paint options available on request.

DIMENSIONS (MM)

Size	A	B	C	D	E
50	48	203	310	335	465
80	51	203	375	425	555
100	51	203	420	495	620
125	57	254	470	565	720
150	57	254	510	625	780
200	70	305	610	775	955
250	70	406	665	915	1100
300	76	406	755	1055	1275
350	76	508	885	1240	1430
400	89	508	900	1300	1490
450	89	508	1025	1485	1670
500	114	508	1140	1640	1885
600	114	508	1335	1940	2185



Dimensions given above are indicative. Please request certified drawings for piping layout

WEIGHTS

Size (mm)	50	80	100	125	150	200	250	300	350	400	450	500	600
Weight (kg)	9	13	16	21	24	38	62	83	100	142	175	285	360

VALVE FLOW CAPACITY (Cv)

Size (mm)	50	80	100	125	150	200	250	300	350	400	450	500	600
Round port	240	565	1040	1670	2440	4460	6250	9400	12500	16500	21400	27000	39700
V-Orifice	89	210	386	610	900	1660	2320	3490	4650	6110	8000	10101	15100

ACTUATOR SELECTION

Please refer actuator selection tables in Product Datasheet - 200

OPTIONAL CONSTRUCTIONS

Model 940 valves can be offered with a variety of optional constructions. Please refer Product Datasheet - 300 for complete details

ACCESSORIES

Model 940 valves can be offered with a variety of optional accessories. Please refer Product Datasheet - 400 for complete details

ORDERING

For ordering information please refer Product Datasheet - 100. In view of continuous product improvement activities, specifications are subject to change



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