

VAASTM

Valves with the Leading Edge

Model 940 Knife Gate Valves

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	2" - 48" (Higher sizes on application)
Rating	150psi CWP up to 24" for valves with body in SS and special alloys; 150psi CWP up to 12", 75psi on higher sizes up to 24" 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	Integrated metal-to-metal, replaceable soft seat (EPDM, Viton etc)
Packing	Braided yarn, PTFE (different grades) and others
Actuators	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.

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 SP-81 norms Proprietary norms on larger sizes Resilient seated valves Zero leakage

Available At:



Bay Port Valve & Fitting, Inc.

P.O. Box 315 Phone: (863) 425-0023
2295 S.R. 37 South (800) 369-0194
Mulberry, FL. 33860 Fax: (863) 425-5091

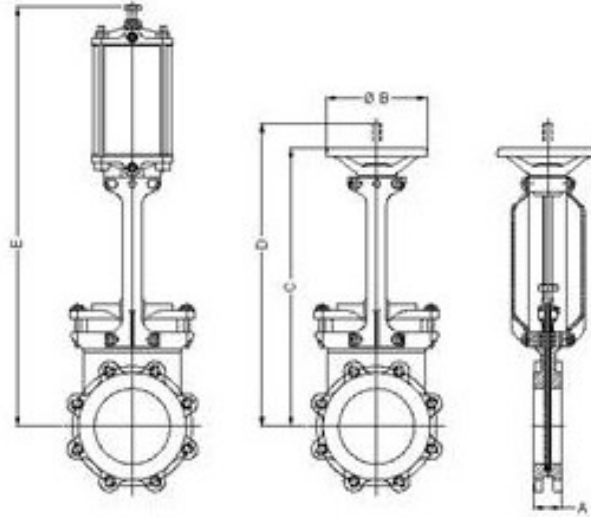
www.bayportvalve.com

Painting

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

Dimensions (inches)

Size	A	B	C	D	E
2"	1.88	8	12	13	18
3"	2	8	15	17	22
4"	2	8	17	20	25
5"	2.25	10	19	22	28
6"	2.25	10	20	25	31
8"	2.75	12	24	31	38
10"	2.75	16	26	36	43
12"	3	16	30	48	50
14"	3	20	35	49	56
16"	3.5	20	36	51	59
18"	3.5	20	40	59	66
20"	4.5	20	45	65	74
24"	4.5	20	53	77	86



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

Weights

Size	2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
Weight (lbs)	20	29	36	47	53	84	137	183	221	313	386	629	794

Valve Flo Capacity (Cv)

Size	2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
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

Optional Construction

Model 940 valves can be offered with a variety of optional constructions.

Accessories

Model 940 valves can be offered with a variety of optional accessories.

Ordering

Please contact VAAS Americas for complete ordering information .

VAAS AMERICAS

475 Kinderkamack Road, Suite 1 Oradell, NJ 07649

888-698-2271

* All statements, technical information, and recommendations in this bulletin are for general use only. Consult VAAS representative or factory for the specific requirements and material selection for your intended application. The right to change or modify product design or product without prior notice is reserved.

VAAASTM | Valves with the Leading Edge

The Model 940 is a Uni-directional knife gate valve available in sizes 2”-24” and features a full lug single piece cast stainless steel body, and is also available in special alloys, 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 interchangeable between manual and pneumatic actuators. The Model 940 also features an integrated metal-to-metal seat as well as replaceable resilient seats in EPDM. Viton etc.

The 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.

The features and benefits of the Model 940

- Interchangeability of actuation (Quick Change Design); The quick change design of the yoke and actuator is as simple as removing 3 to 4 bolts, depending on the valve size, and swapping the actuator. This ease and flexibility of this feature reduces inventory cost in plant store rooms.
- Floating clevis to gate connection; allows the gate to travel along the center line of the valve body and is not hindered by the travel of the actuator.
- Cast Yokes standard.

Typical Applications;

Carbon Black	Chemical Slurries	Coal Slurries
Copper Tailings	Detergent Powders	Flyash Slurries
General Mining Slurry	Hot & Dry Gases	Iron Ore Slurries
Magnetite Slurry	Sugar Mills	Polymer Chips
Pulp Stock	Slag Slurry	Toxic/Hot Gas Handling
Water	Viscose Rayon	Molasses