

VAAAS™**| Valves with the Leading Edge**

Model 740 Bi-directional Gate Valve

FIG 740 is designed to meet the requirements of a general purpose bi-directional shut-off valve. An elastomer seal is held in a groove in the single-piece cast body and provides peripheral sealing of the gate edge. Since there is no raised seat or pressure-assisted sealing as in conventional uni-directional knife gate valves, FIG 740 provides zero leak bi-directional shut-off from minimum pressure to the rated pressure.

Port opening is same as for schedule 40 pipe thereby offering unrestricted flow and minimum pressure drop.



Locked-in wire reinforced replaceable elastomer seal



Non-rising Stem



Specifications

Type	Bi-directional gate valve
Size range	2" to 36" (higher sizes on application)
Pressure rating	CWP-150psi
Endstyle	Full lug
Face-to-face	As per MSS SP-81
Drilling	Suitable for mounting between flanges drilled to ANSI 150lb (standard); others on request.
Body	Stainless steel; carbon steel. Others on application
Seat	Replaceable, elastomer cord seal; chloroprene standard; max. service temp-176 deg F
Gate	316 stainless steel is standard; others on request
Stem	304 stainless steel standard; others on request
Superstructure	Steel yoke, epoxy coated standard; others on request
Actuator options	Direct mounted rising stem hand wheel standard; non- rising hand wheel, chain wheel, geared hand wheel, pneumatic cylinder and electric actuator options available Special Can be provided with bolt-on bonnet where required

Test Specifications

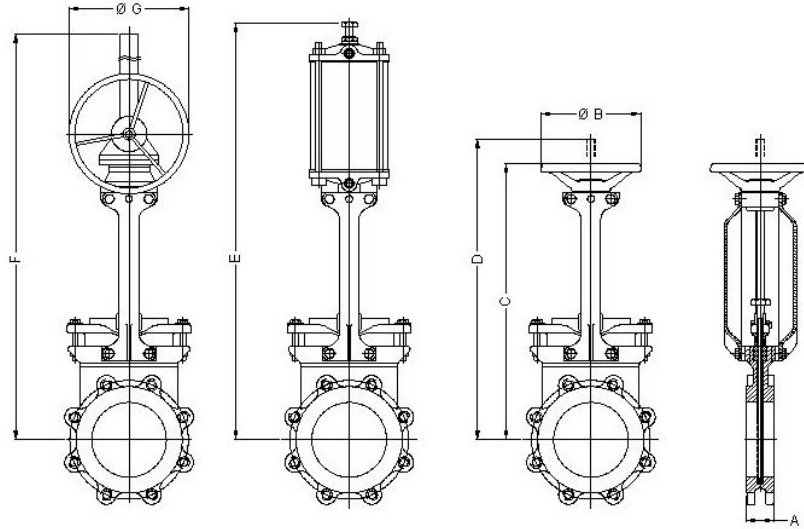
Body shell test	Tested at 1.5 times CWP
Seat test	Tested at 1.1 times CWP for zero leak in either direction

Painting

Standard paint is two-pack epoxy in blue color (other paint options available on request)

Dimensions (inches)

Size	A	B	C	D	E	F	G
2"	1.88	10	14	15	20	--	--
3"	2	10	16	18	24	--	--
4"	2	10	18	21	26	--	--
5"	2.25	12	20	24	30	--	--
6"	2.25	12	22	26	32	27	20
8"	2.75	16	26	32	39	33	20
10"	2.75	16	27	37	45	38	20
12"	3	20	31	43	51	44	20
14"	3	20	37	51	59	53	20
16"	3.5	--	38	54	61	55	20
18"	3.5	--	43	61	68	62	20
20"	4.5	--	47	67	77	68	20
24"	4.5	--	55	79	88	80	20



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

Actuator Selection

Size	2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
Direct Handwheel	CHG	CHG	CHG	CHG	CHG	CHG	CHG	CHG	CHG	--	--	--	--
Gear Handwheel	--	--	--	--	--	G01	G01	G01	G01	G01	G02	G02	G03
Pneumatic DA Cylinder	C4	C4	C4	C6	C6	C8	C10	C12	C12	C12	C16	C16	C16

Ordering

Please contact VAAS Americas for complete ordering information .

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

* 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.

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The Model 740 is a Bi-directional gate valve available in sizes 2”-36” and is designed to meet the requirements of a general purpose bi-directional shut-off valve. An elastomer seal is held in a groove, in the single-piece cast body, and provides peripheral sealing of the gate edge. Since there is no raised seat or pressure-assisted sealing, as in conventional uni-directional knife gate valves, the FIG 740 provides zero leak bi-directional shut-off from minimum pressure to the rated pressure.

The port opening is same as for schedule 40 pipe, thereby offering unrestricted flow and minimum pressure drop.

The features and benefits of the Model 740

- 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.
- Replaceable seats.

Typical Applications;

Carbon Black	Chemical Slurries
Copper Tailings	Detergent Powders
General Mining Slurry	Coal Slurries
Sewage	Sugar Mills
Pulp Stock	Toxic/Hot Gas Handling
Water	Molasses