

Butterfly Valves

VIC-235

The Vic-235 butterfly valves are designed with positive stem retention and has bubble-tight shut-off up to 16Bar. The valve includes dual stem seals and a mechanical retaining mechanism providing blowout proof stems. This valve design provides precise disc positioning, low torque, ease of operation, and long cycle life. The lower torque allows use of smaller powered actuators.

Constructed of rugged ductile iron and epoxy-coated for corrosion resistance, the Vic-235 is available with a lever lock handle or gear operator. The peroxide cured EPDM-coated disc is constructed of ductile iron for life of the system service. Vic-235 butterfly valves feature an extended neck for easier insulation and an ISO 5211 mounting flange for adding remote actuation.

Available in 60.3mm through 323.9mm sizes the valve can be used on systems with a maximum temperature of 90° Celsius.

Where joint deflection or valve rotation is a concern, Victaulic recommends the use of Style 07 couplings with the Vic-235 butterfly valve.

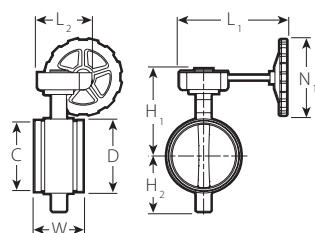


GEAR OPERATOR

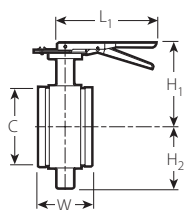


LEVER LOCK HANDLE

DIMENSIONS



GEAR OPERATOR



LEVER LOCK HANDLE

SIZE	Dimensions – mm									Aprx. Wgt. Each	SIZE	Dimensions – mm									Aprx. Wgt. Each.
Actual mm	C	D	L ₁	L ₂	W	H ₁	H ₂	N ₁	kg		Actual mm	C	D	L ₁	W	H ₁	H ₂	N ₁	kg		
GEAR OPERATOR											LEVER LOCK HANDLE										
60.3	57	60	190	127	81	153	71	95	5.8		60.3	57	60	270	81	118	71		2.7		
73.0	68	73	190	127	96	169	85	125	6.5		73.0	68	73	270	96	134	85		3.4		
76.1	72	76	190	127	96	169	85	125	6.8		76.1	72	76	270	96	134	85		3.7		
88.9	84	89	190	127	96	175	91	125	7.0		88.9	84	89	270	96	140	91		3.9		
108.0	103	108	190	127	115	208	109	125	8.2		108.0	103	108	270	115	173	109		5.1		
114.3	109	114	190	127	115	208	109	125	8.5		114.3	109	114	270	115	173	109		5.4		
133.0	129	133	245	127	132	229	131	225	10.4		133.0	129	133	350	132	203	131		7.1		
139.7	135	140	245	127	132	229	131	225	11.9		139.7	135	140	350	132	203	131		8.6		
141.3	136	141	245	127	132	229	131	225	12.1		141.3	136	141	350	132	203	131		8.8		
159.0	153	159	245	127	132	243	145	225	12.5		159.0	153	159	350	132	217	145		9.3		
165.1	160	165	245	127	132	243	145	225	12.8		165.1	160	165	350	132	217	145		9.6		
168.3	163	168	245	127	132	243	145	225	13.6		168.3	163	168	350	132	217	145		10.3		
219.1	214	219	295	167	147	268	170	225	20.8												
273.0	267	273	295	167	159	314	195	225	31.4												
323.9	318	324	295	167	165	342	242	225	34.3												

JOB OWNER

System No. _____

Location _____

CONTRACTOR

Submitted By _____

Date _____

ENGINEER

Spec Sect _____ Para _____

Approved _____

Date _____

Butterfly Valves

VIC-235



TYPICAL SPECIFICATIONS

Grooved end butterfly valves manufactured for Victaulic Company, shall be incorporated wherever possible, in lieu of wafer, lug, or flanged-type valves. Valves shall have grooved ends designed to accept grooved mechanical couplings (from the same manufacturer) without field preparation. Valves shall have operating conditions not to exceed +90°C temperature range and must provide service from 760 mm of mercury vacuum service through 16 Bar. Shut-off must be bubble-tight to full pressure rating and provide dead-end service.

MATERIAL SPECIFICATIONS

Body: Ductile iron conforming to ASTM A-536, grade 65-45-12; black epoxy coated

Disc: Ductile iron conforming to ASTM A-536, grade 65-45-12

Disc Coating*: Grade "E" EPDM

Temperature range –34°C to +90°C. Recommended for cold and hot water service within the specified temperature range plus a variety of dilute acids, oil-free air and many chemical services. NOT RECOMMENDED FOR PETROLEUM SERVICES.

*Services listed are General Service Recommendations only.

Stem – Upper/Lower: 410 stainless steel

Handle: Steel

Optional: Lever lock

Optional: Manual gear operator with handwheel

PERFORMANCE

K_v values for flow of water at +16°C are shown in the table below

Formulas for K_v/C_v Values:

$$K_v = \left(\frac{\text{m}^3 / (\text{hr})}{\text{Bar}} \right)$$

$$C_v = \left(\frac{\text{GPM}}{\text{PSI}} \right)$$

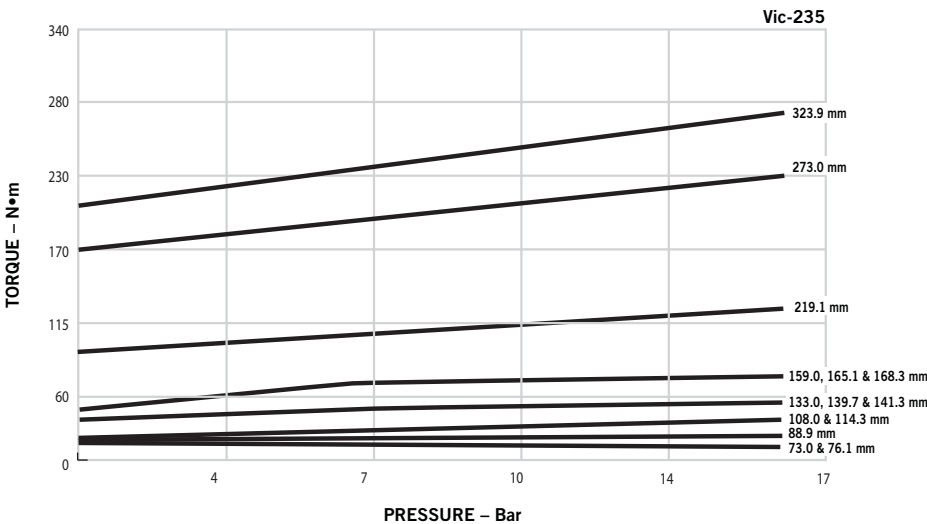
SIZE	KV/CV	SIZE	KV/CV	SIZE	KV/CV
Actual mm	(Full Open)	Actual mm	(Full Open)	Actual mm	(Full Open)
60.3	110	114.3	590	168.3	1730
	130		680		2000
73.0	190	133.0	1040	219.1	3720
	220		1200		4300
88.9	290	141.3	1040	273.0	5800
	340		1200		6700
108.0	590	159.0	1730	323.9	8300
	380		2000		9600

Butterfly Valves

VIC-235



OPERATING TORQUES



Butterfly Valves

VIC-235



GEAR OPERATOR

LEVER LOCK HANDLE

WARRANTY

Refer to the Warranty section of the current Price List or contact Victaulic for details.

NOTE

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.

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