

VRG...U Series 1/2" to 4" Butterfly Valves

Product Description

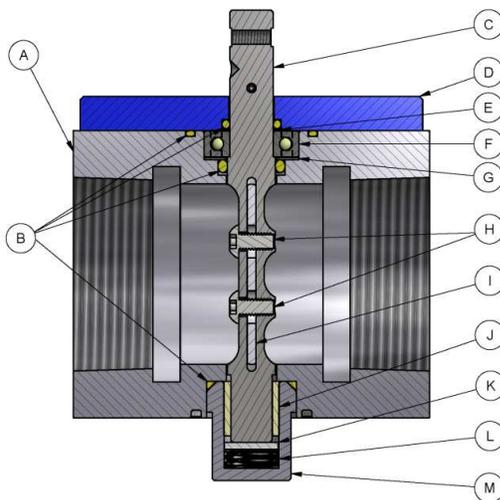
VRG...U series NPT threaded butterfly valves control the flow of biogas. Full, medium, and reduced port sizes are offered to optimize control and ease of installation. Valves are positioned using a manual kit, crank arm kit, or rotary actuator.

Exclusive, patented technology*

Technical Specifications

Body Sizes	1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4"	
Body Material	Aluminum 6061-T6	
Connection	Threaded NPT	
Port	1/2" and 3/4"	Full port
	1-1/4"	Full or medium port
	1", 1-1/2" through 4"	Full, medium, or reduced port
Operating Pressure Rating	1/2"	80 psig operating pressure
	3/4" through 3"	25 psig operating pressure
	4" medium or reduced port	25 psig operating pressure
	4" full port	15 psig operating pressure
Surge Pressure Rating	1/2"	240 psig surge pressure
	3/4" through 4"	75 psig surge pressure
Turndown	100+:1	
Temperature Range	-20° to 160° F	

Materials

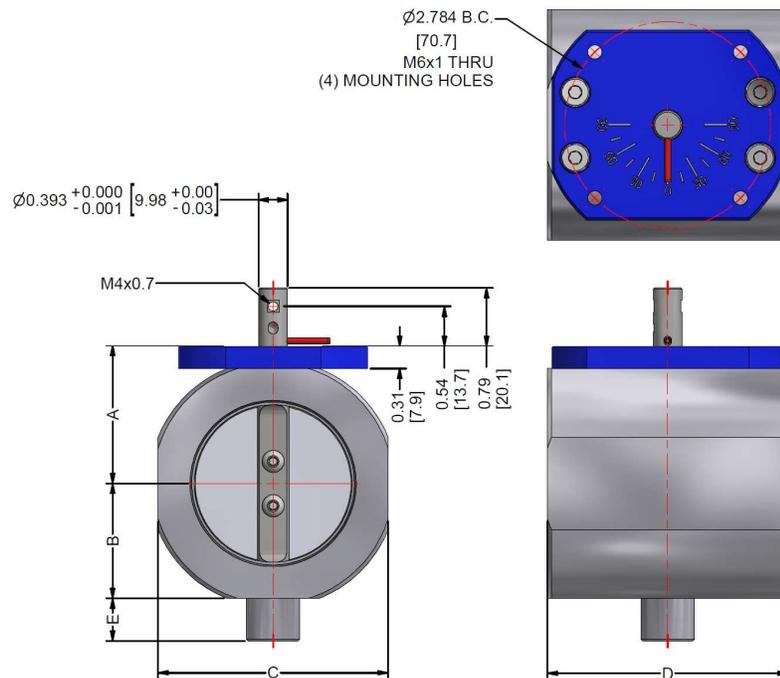


Item	Description	Material
A	Valve body	Aluminum 6061
B	Seal	HNBR
C	Shaft	Stainless steel (300 series)
D	Dial	Aluminum 6061
E	Shim	Teflon
F	Bearing (ball)	Steel
G	Shim	Stainless steel
H	Fastener	Stainless steel
I	Disc	Stainless steel (300 series)
J	Bearing (sleeve)	Acetal
K	Bearing (thrust)	Acetal
L	Spring	Stainless steel (17-4 PH)
M	Plug	Aluminum 6061

*Patented under US Patent No. 9,915,352

Dimensions

Dimensions in inches [mm]



Part Number	Weight - lb [kg]
VRG10.014U	1.50 [0.68]
VRG10.020U	1.41 [0.64]
VRG10.025U	1.29 [0.59]
VRG10.032U	1.51 [0.68]
VRG10.040U	1.59 [0.72]
VRG10.050U	1.84 [0.83]
VRG10.065U	3.09 [1.40]
VRG10.080U	3.35 [1.52]
VRG10.100U	4.83 [2.19]
VRG20.025U	1.33 [0.60]
VRG20.032U	1.58 [0.72]
VRG20.040U	1.63 [0.74]
VRG20.050U	1.97 [0.89]
VRG20.065U	3.34 [1.51]
VRG20.080U	3.68 [1.67]
VRG20.100U	5.63 [2.55]
VRG30.025U	1.38 [0.63]
VRG30.040U	1.70 [0.77]
VRG30.050U	2.01 [0.91]
VRG30.065U	3.53 [1.60]
VRG30.080U	3.92 [1.78]
VRG30.100U	6.02 [2.73]

Part Number	A	B	C	D	E
VRG10.014U	1.35 [34]	1.12 [29]	2.08 [53]	3.25 [83]	0.21 [5]
VRG10.020U	1.35 [34]	1.04 [26]	2.08 [53]	3.25 [83]	0.58 [15]
VRGx0.025U	1.35 [34]	1.04 [26]	2.08 [53]	3.25 [83]	0.58 [15]
VRGx0.032U	1.53 [39]	1.22 [31]	2.44 [62]	3.25 [83]	0.58 [15]
VRGx0.040U	1.63 [41]	1.31 [33]	2.63 [67]	3.25 [83]	0.58 [15]
VRGx0.050U	1.87 [47]	1.55 [39]	3.11 [79]	3.25 [83]	0.58 [15]
VRGx0.065U	2.18 [55]	1.87 [47]	3.74 [95]	4.38 [111]	0.58 [15]
VRGx0.080U	2.44 [62]	2.13 [54]	4.26 [108]	4.38 [111]	0.58 [15]
VRGx0.100U	2.96 [75]	2.64 [67]	5.28 [134]	5.00 [127]	0.58 [15]

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