

### VKG...U Series 1/2" to 4" Butterfly Valves

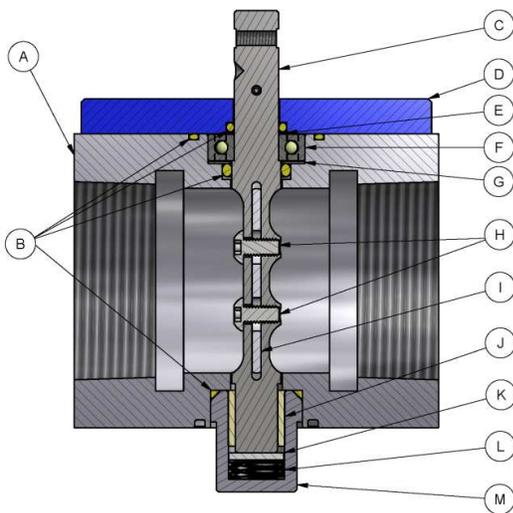
#### Product Description

VKG...U series NPT threaded butterfly valves control the flow of natural gas, propane, butane, or air. 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

<b>Body Sizes</b>	1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4"	
<b>Body Material</b>	Aluminum 6061-T6 billet	
<b>Connection</b>	Threaded NPT	
<b>Port</b>	1/2" and 3/4"	Full port
	1" and 1-1/4"	Full or medium port
	1-1/2" through 4"	Full, medium, or reduced port
<b>Operating Pressure Rating</b>	1/2" through 3"	25 PSI operating pressure
	4" medium or reduced port	25 PSI operating pressure
	4" full port	15 PSI operating pressure
<b>Surge Pressure Rating</b>	1/2" through 4"	75 PSI surge pressure
<b>Turndown</b>	100+:1	
<b>Temperature Range</b>	-40° to 160° F	

#### Materials

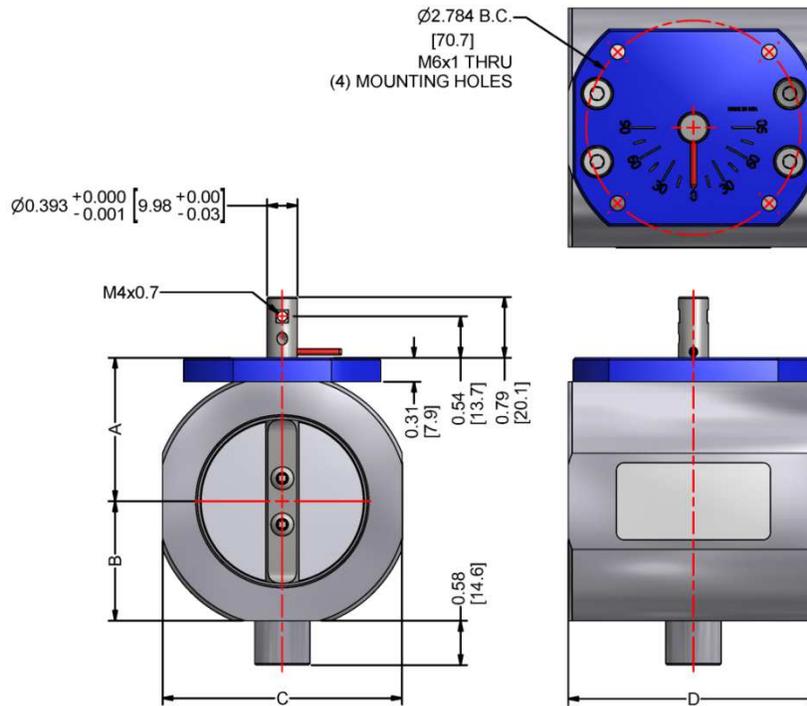


Item	Description	Material
A	Valve body	Aluminum-6061
B	Seal	Buna-N
C	Shaft	Stainless Steel (300-series)
D	Dial	Aluminum-6061
E	Shim	Teflon
F	Bearing (ball)	Steel
G	Shim	Stainless Steel
H	Fastener	Steel (Zinc-plated)
I	Disk	Stainless Steel (300-series)
J	Bearing (sleeve)	Acetal
K	Bearing (thrust)	Acetal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

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

## Dimensions

Dimensions in inches; millimeters in brackets



Part Number	Weight - lb [kg]
VKG10.015U	1.50 [0.68]
VKG10.020U	1.41 [0.64]
VKG10.025U	1.29 [0.59]
VKG10.032U	1.51 [0.68]
VKG10.040U	1.59 [0.72]
VKG10.050U	1.84 [0.83]
VKG10.065U	3.09 [1.40]
VKG10.080U	3.35 [1.52]
VKG10.100U	4.83 [2.19]
VKG20.025U	1.33 [0.60]
VKG20.032U	1.58 [0.72]
VKG20.040U	1.63 [0.74]
VKG20.050U	1.97 [0.89]
VKG20.065U	3.34 [1.51]
VKG20.080U	3.68 [1.67]
VKG20.100U	5.63 [2.55]
VKG30.040U	1.70 [0.77]
VKG30.050U	2.01 [0.91]
VKG30.065U	3.53 [1.60]
VKG30.080U	3.92 [1.78]
VKG30.100U	6.02 [2.73]

Part Number	A	B	C	D
VKGxx.015U	1.35 [34]	1.04 [26]	2.08 [53]	3.25 [83]
VKGxx.020U	1.35 [34]	1.04 [26]	2.08 [53]	3.25 [83]
VKGxx.025U	1.35 [34]	1.04 [26]	2.08 [53]	3.25 [83]
VKGxx.032U	1.53 [39]	1.22 [31]	2.44 [62]	3.25 [83]
VKGxx.040U	1.63 [41]	1.31 [33]	2.63 [67]	3.25 [83]
VKGxx.050U	1.87 [47]	1.55 [39]	3.11 [79]	3.25 [83]
VKGxx.065U	2.18 [55]	1.87 [47]	3.74 [95]	4.38 [111]
VKGxx.080U	2.44 [62]	2.13 [54]	4.26 [108]	4.38 [111]
VKGxx.100U	2.96 [75]	2.64 [67]	5.28 [134]	5.00 [127]

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