VIKING SupplyNet®

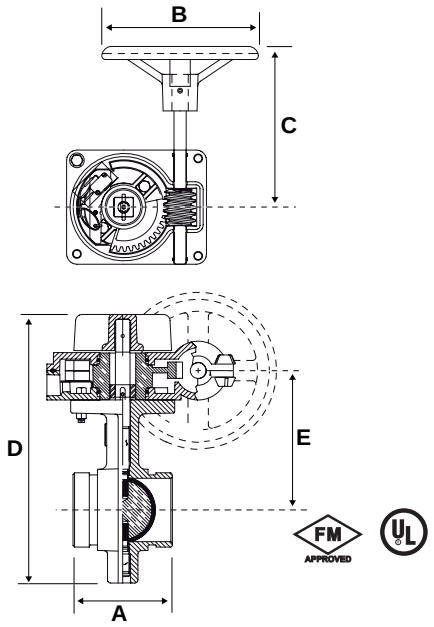
Butterfly Valve (Grooved) with Gear Operator

01G

Control Valves

Technical Features

- **Sizes available (Nominal) :** DN65/2$^{1}/_{2}$", DN80/3", DN100/4", DN150/6" and DN200/8".
- **Pressure data :**
  Working pressure : 20.7 bar (300 psi).
- **Finish :** Fusion bonded Nylon 11 coating.
- **Connections :** Grooved joint dimensions are made in accordance with ANSI/AWWA C606 (ductile iron pipe and steel pipe).
- **Supervisory/Auxilliary Switches :** The gearbox is fitted with one supervisory switch and one auxilliary switch.



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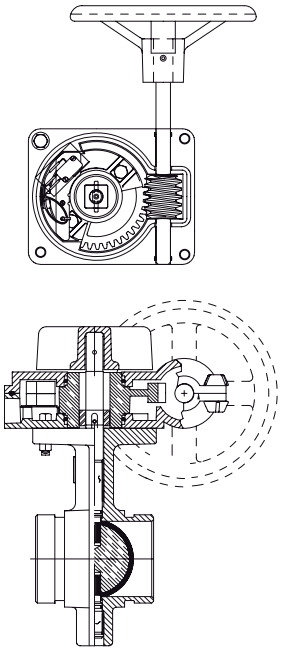
Physical Data

Nominal Pipe Size		Pipe O.D. (mm / inch)	Dimensions (mm / inch)					Reference	Weight (kg / lbs)
Metric	(inch)		A	B	C	D	E		
DN65	2$^{1}/_{2}$"	**73.0** / 2.88	**97** / 3.8	**152** / 6.0	**193** / 7.6	**262** / 10.3	**136** / 5.4	01G-0250	**7.3** / 16
DN80	3"	**88.9** / 3.50	**97** / 3.8	**152** / 6.0	**193** / 7.6	**274** / 10.8	**142** / 5.6	01G-0300	**9.1** / 20
DN100	4"	**114.3** / 4.50	**116** / 4.6	**152** / 6.0	**193** / 7.6	**327** / 12.9	**170** / 6.7	01G-0400	**10.9** / 24
DN150	6"	**168.3** / 6.63	**148** / 5.8	**152** / 6.0	**193** / 7.6	**400** / 15.7	**212** / 8.4	01G-0600	**16.8** / 37
DN200	8"	**219.1** / 8.63	**134** / 5.3	**152** / 6.0	**193** / 7.6	**446** / 17.6	**236** / 9.3	01G-0800	**19.5** / 43

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Materials List

Item	Description	Material	Specification
1	Upper and Lower Stems	Stainless Steel	AISI 416
2	Disc Encapsulation	SBR	

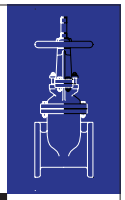


2005-10-11 Datasheet Created

Worldwide Fire Protection

www.vikingcorp.com

Manufactured for Viking SupplyNet by Kennedy Valve, Division of McWane Inc.. Refer to Manufacturer's datasheet. Specifications subject to change without notice. Rigid couplings are recommmended for all valve connections.



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Installation

Handle the valves carefully at all times to avoid breakage or damage to the seat area. The butterfly valve should be connected to the piping system with approved couplings, fittings and accessories available from Viking SupplyNet. The positioning of the valve and water flow through the valve may be in any direction.

Clean the piping and/or connecting fitting. Lubricate the coupling gasket with approved lubricant, and place over the adjoining pipe or fitting. Position the valve against the mating pipe or fitting and slide the gasket into position on the valve such that the gasket seal seats properly on the valve and pipe/fitting according to the manufacturer's recommendations.

To prevent distortion, properly support the piping adjacent to the inlet and outlet of the valve. Avoid damage and do not use the valve to force the piping into position.

Conduit and electrical connections to the supervisory switch must be in accordance with the requirements of the Authority Having Jurisdiction.

Care & Maintenance

Inspect and verify proper operation on an annual basis or according to the requirements of the Authority Having Jurisdiction. Check for leakage at the valve pipe connection and body-to-operator connection. Installation, inspection and maintenance should be performed by a qualified person(s) certified by the Authority Having Jurisdiction.

Sometimes material can collect in the waterway around the seating area making it difficult to open or close the valve. This condition can often be corrected by turning the handwheel in the opposite direction.

Never force the valve to seat by applying excessive torque to the gearbox or through the use of a wrench. This may distort the valve components or score the sealing surface. Mishandling or abuse voids all express or implied warranties.

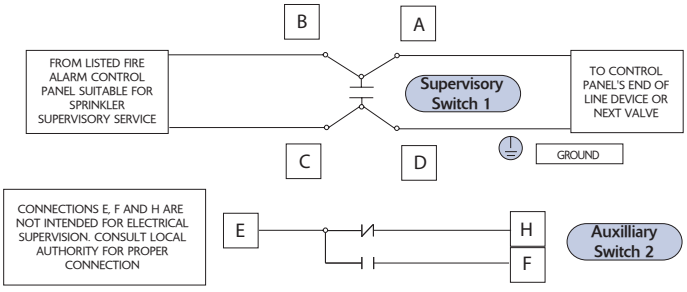
Butterfly Vale (Grooved) with Gear Operator - 01G

Wiring Instructions

The 01G series of butterfly valves comes complete with one internal supervisory position switch and one auxiliary switch. The auxiliary switch is not intended for electrical supervision. The supervisory switch is preset and tested in accordance with all applicable agency requirements at the factory. Check continuity between the switch's common and normally open side lead wire when the valve is fully open. Please refer to the relevant installation standard and Authority Having Jurisdiction. The switch will change position and close within two (2) full turns of the hand wheel from the fully open position. No adjustment is possible. The circuit condition below is shown for a valve in the fully open position.

Switch Type and Number	Wire	Wire color	Mode/Description
Supervisory 1	A	Black	Normally open
Supervisory 1	B	Black	Normally open
Supervisory 1	C	Blue	Common
Supervisory 1	D	Blue	Common
Auxilliary 2	E	Blue/White	Common
Auxilliary 2	F	Black/White	Normally open
Auxilliary 2	H	Red	Normally closed

Notes Connection to power limited circuitry is required. Switch rating is limited to 0.25 amps, 120VAC, 28VDC.



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