

VESS is a wafer type butterfly valve with built in signal for transmitting the valve in close or open position .



Features

- Advanced pin design , stronger connection between the stem and disc , and preventing loose and leakage during water hammer .
- Valve seat fully coated with EPDM / NBR rubber to prevent corrosion .
- With worm gear operator and outside body coated with epoxy , built in tamper switches and transmitted the signal to control room for monitoring the valve for open situation .

Pressure & Temperature

Nominal Pressure	16 bar
Hydraulic Shell Test Pressure	24 bar
Hydraulic Seat Test Pressure	17.6 bar
16 Bar at	- 10°C ~ 100°C
Suitable Medium	Water



Technical Data

Size Range	DN 50mm ~ DN 150mm
Manufacturing Standard	ISO 5752 / DIN 3202 / EN 593 / BS 5155 / API 609
Flange Standard	BS EN 1092-2 PN16
F/F (Face to Face) Standard	EN 558-1 , MSS SP-67
Top Flange Standard	ISO 5211/1

Service Fields

For Fire Fighting System

Switches Wiring Details (when valve in open position)

Switch No. 1

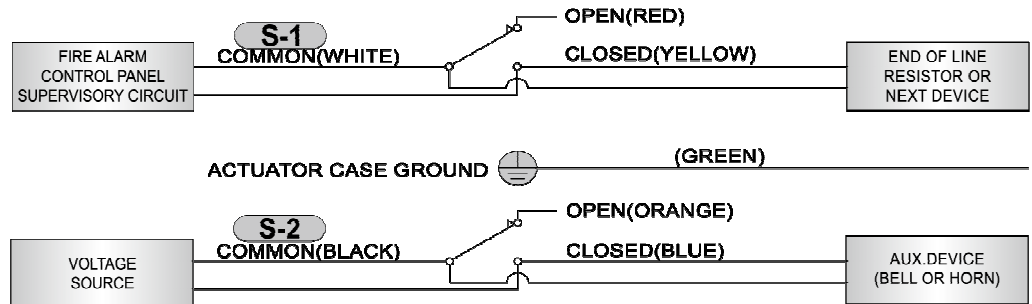
- For Connection to the supervisory circuit .
- Normally Closed : 2 Yellow
- Normally Open : 2 Red
- Common : 2 White

Switch No. 2

- Auxilliary switch connected per authority .
- Normally Closed : 1 Blue
- Normally Open : 1 Orange
- Common : 2 Black
- Ground Lead : 1 Green

Material Specification

Component	Material
Body	Cast Iron / Ductile Iron
Disc	Ductile Iron / CF8 / CF8M / Bronze
Seat	NBR / EPDM / Viton
Bushing	PTFE / Bronze
Shaft	SS416 / 304 / 316 / 431
Gear Box	Cast Iron



NOTES 1. RATED: 5A-1/6HP-125/250V

- Note :
1. Conforms to BS5155 , MSS SP-67
 2. Factory install tamper switch conforms to the requirement for Fire Fighting System .
 3. Bolt circles are designed to fit BS4504 PN16 .

Dimensions - Millimetres

Size (DN)	50	65	80	100	125	150
	2"	2.5"	3"	4"	5"	6"
C	43	46	46	52	56	56
L	46	49	49	55	59	59
L1	53	53	53	53	53	53
L2	155	155	155	155	155	155
L3	53	53	53	53	53	53
L4	45	45	45	45	45	45
A	125	136	142	163	176	197
B	73	82	91	107	127	143
G	102	46	130	154	180	210
H	40	40	40	40	40	40
Weight (kg)	6.8	7.5	8.2	9.7	11.3	12.7

* We reserve the right to alter specifications or dimensions without prior notice.

Distributed By :



Maxwell Valve Industry Sdn Bhd (799530-K)

Vess Valve Sdn Bhd (922423-U)

No.26 , Jalan Utama 2/28 ,
Taman Perindustrian Puchong Utama.
47140 Puchong , Selangor Darul Ehsan , Malaysia

Tel : 60(3) 8060 3325

Fax : 60(3) 8060 3341

E-mail : sales@maxwellvalve.com

Web : www.maxwellvalve.com