MEIJI

MODULATING FLOAT PILOT CONTROL VALVE

SPECIFICATION

Type: Pilot control valve, Working Pressure: 16/25 bar.

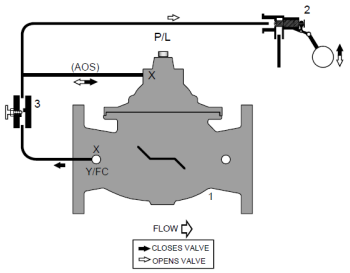
Flanged to JIS 10/16K, BS4504 PN16/25, ANSI#150/300

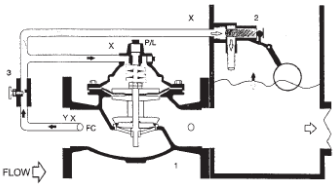
- Throttles to maintain constant level in reservoir, tank or pond.
- Throttles open when level drops/Throttles closed when level rises.
- Modulating Float control is Remote mounted (field installed).
- Adjustable Closing Speed.

Fig. 10-01

PN16/25

DN 25-400





STANDARDS COMPONENTS

1. Main valve
2. Modulating Float Control
3. Adjustable Closing Speed

OPTIONS and ACCESSORIES

- X- Isolation valve
- FC- Flo Clean Strainer
- Y- Y Strainer
- AOS- Adjustable Opening Speed
- P- Position Indicator
- L- Limit Switch

PRESSURE/TEMPERATURE RATINGS

Working pressure	16/25 bar
Testing Pressure	24/37.5 bar
Working temperatre	-10℃ ~ 80℃

MATERIALS

Part	Material	ASTM	BS
Body, cover	Ductile iron	A536	Gr.420/12
Seat, Disc	Staniless steel	A240 304/410	SUS304/410
Stem, Spring	Staniless steel	A240 304/316	SUS304/316
Float	Buna/SUS		
Bolt/nut	Staniless steel	A240 304/410	SUS304/410
Fiting	Brass	B124 C37700	2874 CZ122
Painting	Epoxy power coating		

SIZE AND FLOWER DATA

Size(mm)	Maximum Continuous (l/s)	Maximum Intermittent (l/s)	Cv Factor (l/s)
25	3.96	4.95	1.23
32	5.81	7.26	1.83
40	7.98	9.97	2.15
50	13.12	16.41	3.47
65	18.68	23.35	4.73
80	28.77	35.97	7.89
100	50.48	63.10	13.88
125	116.10	145.13	29.03
150	196.87	246.09	48.90
200	302.88	378.60	75.72
250	434.13	542.66	109.16
300	530.04	662.55	132.51
400	706.72	883.40	176.68

Note:

1. Maximum continuous flow based on velocity of 8.66 psi. Per second.
2. Maximum intermitent flow based on velocity of 10.82 psi. Per sesond.
3. The Cv factor of a valve is the flow rate in (l/s) at 60^{o} F that will cause a 1psi drop in pressure.
4. The factors stated are based upon a fully open valve.
5. Cv factor can be used in the following equations to determine Flow (Q) and Pressure Drop (ΔP)
6. Pressure Drop : $\Delta P = (Q/Cv)^2$, Q: Flow Rate, Cv: Cv Flactor (l/s)

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