

SMART VALVE SVM-21-B

Smart M-Bus Valve (Flanged)

Revolutionizing Flow



SVM-21-B smart valves are battery operated open/close valves for remote disconnection by stopping flow, operating on M-Bus protocol. It comes with software for monitoring & control with error reporting functions and an IP68 protection.

The valve size ranges from DN50 to DN300 and is compatible with all M-Bus masters.

INTEGRATED
SOFTWARE
MONITORING



M-BUS
COMMUNICATION



REMOTE
DISCONNECTION



AC/DC POWERED



FEATURES

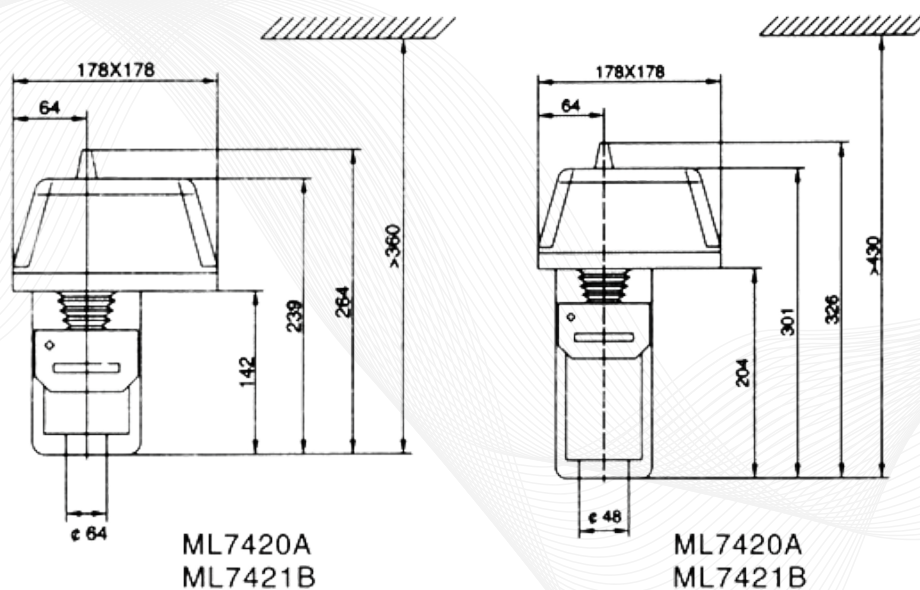
TECHNICAL DATA

Model	ML7420A	ML7421B
Drive thrust	1500 n	2500 n
Travel time	When the frequency is 50 Hz, 114 seconds	When the frequency is 50 Hz, 210 seconds
	When the frequency is 60 Hz, 95 seconds	When the frequency is 60 Hz, 175 seconds
Effective stroke	20/40mm	20/40mm
Power	Max.12VA (When Input Voltage is 24VAC)	
Signal source output resistance	1KΩ	
Protection level	IP54	
Electrical characteristics	24VAC 50/60 HZ	
Materials used	Gear: polyoxymethylene, nylon	
	Lower plate of reducer: galvanized steel	
	Support: die cast aluminum alloy	
	Shell: flame retardant ABS plastic	
Temperature limit	Ambient temperature: -10 to +50 °C	
	Storage temperature: -40 to +50 °C	
Humidity	1%~95% RH, Non condensing	
Operating temperature	10 °C to 90 °C(lower & higher temperature on demand)	
Weight	2.4Kg	
Communication	M-Bus	

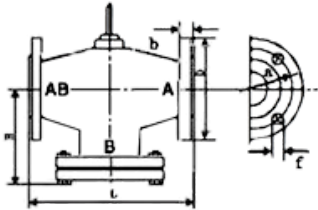
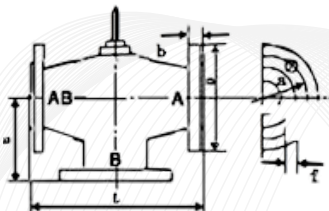
VALVE BODY SPECIFICATION

Pressure bearing of valve body (Bar)	PN16(standard)/PN20/PN25(optional)
Valve body	Visijet (HT250)
Valve cover	Carbon Structural Steel (Q235A)
Valve clack	Stainless Steel 304
Valve stem	1Cr18Ni9(AISI302) Φ9 stainless steel
Shaft seal	Brass
Velocity characteristics	Equal percentage
Stem seal parts	PTFE retaining ring + NBR O-ring

DIMENSIONS



DIMENSIONS

PATTERN	MODEL	SIZE DN	L (mm)	H (mm)	D (mm)	b (mm)	a (mm)	f (mm)	FLANGE HOLES
	VB-7200 PN16	50	205	227	165	20	125	18	4
		65	220	135	185	20	145	18	4
		80	240	155	200	22	160	18	8
		100	240	152	215	24	180	18	8
		125	320	160	250	26	210	18	8
		150	350	175	285	26	240	22	8
		200	400	225	340	30	295	22	12
		250	460	255	405	32	355	26	12
		300	500	276	460	32	410	26	12
	VB-7300 PN16	65	250	110	185	20	145	18	4
		80	300	130	200	22	160	18	8
		100	320	132	215	24	180	18	8
		125	340	134	250	26	210	18	8
		150	355	150	285	26	240	22	8
		200	460	200	340	30	295	22	12
		250	565	360	405	32	355	26	12
		300	620	380	460	32	410	26	12

SOFTWARE INTERFACE

S	Meter address	Apartment number	Valve status
☒	00000022054844	M07	
☒	00000022055492	M08	
☒	00000022055495	M09	
☒	00000022054862	115	
☒	00000022054845	116	
☒	00000022054847	117	
☒	00000022055529	118	
☒	00000022055531	119	
☒	00000022055530	120	
☒	00000022055532	121	
☒	00000022055536	215	
☒	00000022055533	216	
☒	00000022054843	217	
☒	00000022055537	218	
☒	00000022055538	219	
☒	00000022055534	220	
☒	00000022055535	221	
☒	00000022055551	315	
☒	00000022055556	316	
☒	00000022054842	317	
☒	00000022055553	318	
☒	00000022055554	319	
☒	00000022055555	320	
☒	00000022055552	321	
☒	00000022055557	415	

Serial port: COM6

Address:

Apartment number:

Add

Address Import

Valve control: Forced valve opening

Valve Control

Read Valve Status

System Timing

Meter reading time (hh:mm): 10 : 55

Start

Stop

Select all

Save

Export

Clear

COM6 open failed

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