

FLOW MONITOR



Monitor Installation

1. The monitor needs to be mounted vertically with the outlets at the top using the bolt holes provided.
2. It is recommended that it is easy to tilt the monitor for ball removal and maintenance.
3. Care should be taken to make sure the inlet hose does not put any load on the inlet fitting, support it if necessary.
4. Select the correct ball using the table below

FLOW RATE TABLE FOR WATER (litres)

LEVEL	GREEN	BLACK	BLUE	BLUE	STAINLESS
	Plastic ball	Plastic Ball	Plastic Ball	Glass Ball	Steel Balls
7	1.15	1.93	2.27	4.54	12.68
6	0.75	1.40	1.89	3.26	10.40
5	0.57	1.02	1.29	2.08	7.19
4	0.42	0.79	0.91	1.51	5.30
3	0.30	0.56	0.68	1.32	3.48
2	0.15	0.38	0.49	0.95	1.89
1	0.06	0.23	0.34	0.64	1.36

Operating Instructions

1. Maximum Pressure 7 bars
2. The adaptors and body is made from Polypropylene and PVC. You should verify that the fluids to be used are compatible with these materials
3. During use the balls in each column should be approximately even, if not check the lines for blockages
4. For the Spray monitor a minimum pressure of 0.7 bar is recommended
5. If the balls are at the top of the monitor during operation then they should be changed to lower the operating level as the balls may cause a restriction to flow themselves
6. For different density liquids it is advisable to experiment with different balls to establish which works best.

Storage and Cleaning

1. After use, flush the monitor with the recommended neutralising liquid, you can disassemble the columns to ease cleaning
2. To protect against frost completely drain after use
3. Although the monitors have an additive to increase UV resistance it is suggested that the monitors be covered during storage



Picture Number	Product Code	Description
2	SMPT-0003	3/8" FEMALE NPT ADAPTOR
5	SMPT-0004	1/2" FEMALE NPT ADAPTOR (INLET)
12	SMPT-0005	UPPER BALL SCREEN
4	SMPT-0006	RETAINING CLIP
11	SMPT-0007	VITON 'O' RING FOR 1/4" PUSH TO CONNECT
1	SMPT-0008	END CAP
10	SMPT-0027	ADAPTOR 1/2" NPT MALE TO 3/4" BARB
7	SMPT-0028	ELBOW ADAPTOR-3/8NPT TO 1/4 HOSE BARB
8	SMPT-0029	ELBOW ADAPTOR-3/8 NPT TO 3/8 HOSE BARB
9	SMPT-0030	ELBOW ADAPTOR-3/8 NPT TO 1/2 HOSE BARB
6	SMPT-0033	ADAPTOR 1/2" NPT MALE TO 3/4" BARB 90 DEG
13	SMPT-0051	ADAPTOR ELBOW - 1/4" PUSH TO CONNECT W/O SEAL
14	SMPT-0052	ADAPTOR ELBOW - 5/16" PUSH TO CONNECT W/O SEAL
No Picture	SMPT-0053	ADAPTOR ELBOW - 3/8" PUSH TO CONNECT W/O SEAL
3 kit as shown	SMSS4	SPRAY SET 4 MONITOR ASSEMBLIES
15	SMSS4-PE14	SPRAY SET 4 - 1/4" ELB PUSH TO CONNET OUT 1/2" NPT IN
16	SMSS4-PE38	SPRAY SET 4 - 3/8" ELB PUSH TO CONNECT OUT 1/2" NPT IN
No Picture	SMSS4-PE56	SPRAY SET 4 - 5/16" ELB PUSH TO CONNECT OUT 1/2" NPT IN

Flow Monitor Kits

With Hose Tails					
Outlets	Inlet	Parts Required			
1/4" 90°	3/4" 90°	1 x SMSS4	4 X SMPT-0028	1 X SMPT-0033	
3/8" 90°	3/4" 90°	1 x SMSS4	4 X SMPT-0029	1 X SMPT-0033	
1/2" 90°	3/4" 90°	1 x SMSS4	4 X SMPT-0030	1 X SMPT-0033	

With Push to fit		Part Number
SPRAY SET 4 - 1/4" ELB PUSH TO CONNET OUT 1/2" NPT IN		SMSS4-PE14
SPRAY SET 4 - 3/8" ELB PUSH TO CONNECT OUT 1/2" NPT IN		SMSS4-PE38
SPRAY SET 4 - 5/16" ELB PUSH TO CONNECT OUT 1/2" NPT IN		SMSS4-PE56



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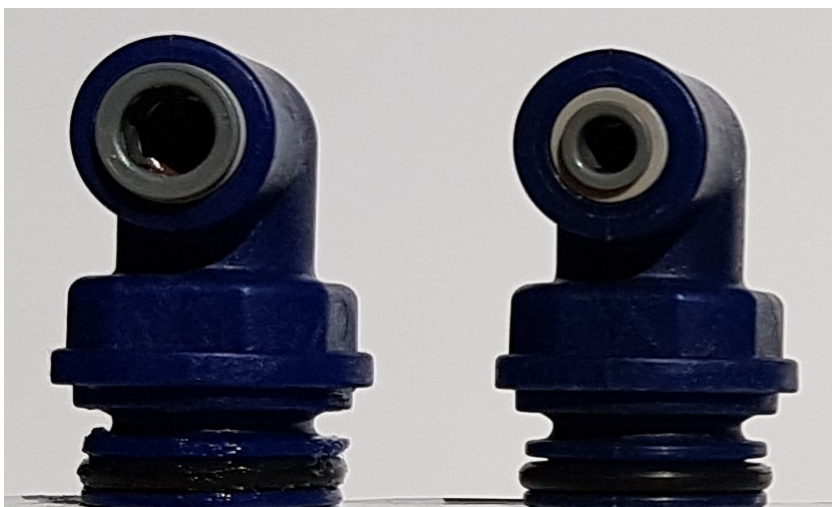
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