

FLOW MEASUREMENT

Vortex Digital Single Zone Monitor



Part No.	Flow capacity	Connection	Voltage
SZ-120	1-20 l/m	G 1/2	18..30DC
SZ-240	2-40 l/m	G 1/2	18..30DC
SZ-5100	5-100 l/m	G 3/4	18..30DC

- Integrated temperature measurement
- Flow measurement
- Limit setting of flow and temperature
- Alarm output signal
- Rotatable display
- Temperature range from -10°C to 90°C

Material: Stainless steel body and connection
 Pressure: 12 bar
 Temperature: from -10 to +90 C°
 Protection class: IP 65/IP67.

Wall Plug Power Supply



Part No.	Voltage input	Voltage output
SZ-P230	100-240V.	24 V.

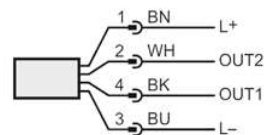
Kit including: wall plug cable, power supply and M12 Connector cable.

Power Supply



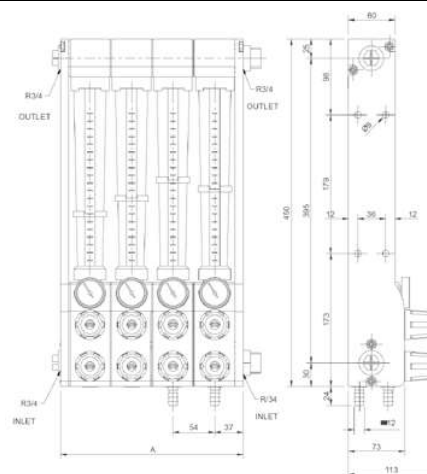
Part No.	Voltage input	Connection	Voltage output
SZP-100	120..230 V.	DIN Rail	24DC

Power and Data Cable M12



Part No.	Length	Connection	Voltage range
SZC-3000	3 m.	M12	24DC

Waterflow Regulator



Part No.	Main Connections inlet / outlet	Max.Temp.	Zones	Zone Connection	A (mm)
MPR02R	R 3/4"	90°C*	2	R 3/8"	126
MPR04R	R 3/4"	90°C*	4	R 3/8"	231
MPR06R	R 3/4"	90°C*	6	R 3/8"	339
MPR08R	R 3/4"	90°C*	8	R 3/8"	444
MPR10R	R 3/4"	90°C*	10	R 3/8"	552
MPR12R	R 3/4"	90°C*	12	R 3/8"	659

* Temperature vs Pressure: 8 bar 40°C, 7 bar 60°C, 5 bar 80°C, 4 bar 90°C

Water flow regulators are ideal for regulating the flow rate of water passing through them as well as the water outlet temperature. The high quality construction and design make the unit one of the most competitive.

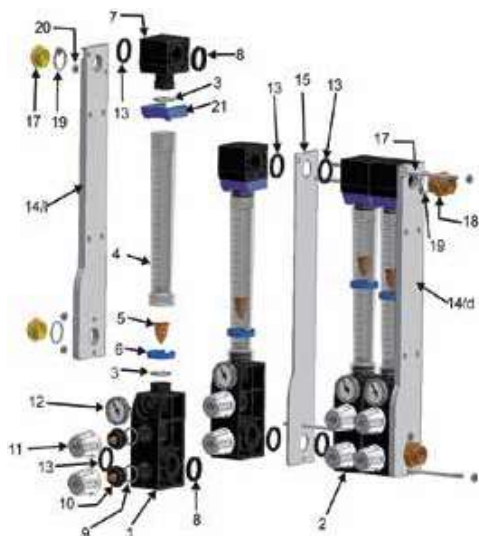
Technical characteristics

- The tube is made of Polyamide (standard).
- Zone Flow Capacity 0-18 L/M
- Interior and exterior bodies are made of PA 6 with 30% fibre glass.
- Brass regulating taps.
- Thermometers (standard).
- Stainless steel interior tie-rods.
- Vitrllic rubber o-rings (hardness: 70 SHA).



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Spare Part List



No	Part No.	Description
1	MPR-S-1	Inferior body 3/8 BSP connections
2	MPR-S-2	Inferior body with pipes
3	MPR-S-3	Tube O-ring
4	MPR-S-4	Polyamide tube
5	MPR-S-5	Brass
6	MPR-S-6	Level clip
7	MPR-S-7	Superior body
8	MPR-S-8	Intermediate o-ring
9	MPR-S-9	Tap O-ring 21x3
9.1	MPR-S-9.1	Tap O-ring Ø6x2
10	MPR-S-10	Tap
11	MPR-S-11	Knob
12	MPR-S-12	Thermometer
13	MPR-S-13	End O-ring / left 28x35x3,5
14 d	MPR-S-14d	Right aluminium end plate
14 i	MPR-S-14i	Left aluminium end plate
15	MPR-S-15	Intermediate plate
17	MPR-S-17	Plastic cap
18	MPR-S-18	3/4" brass connector (optional)
20	MPR-S-20	Nut
21	MPR-S-21	Tube security clip
22	MPR-S-22	End O-ring / right 28x35x5,5

Flow Indicator



Part No.	Flow Rate H ₂ O LPM		Length	Ø mm	Thread	AF	Max Pressure (bar)
	Min	Max					
CFV1BN	1	10	59	25	1/4"	19	10
CFV2BN	2	20	71	30	3/8"	24	8
CFV3BN	3	30	71	30	1/2"	24	8
CFV4BN	4	40	106	47	3/4"	40	5
CFV5BN	6	60	106	47	1"	40	5

Use:

The CFV impeller flow indicators are generally used to monitor the correct flowing and circulation of a fluid into a pipeline. They are ideal for cooling and heating circuits, water treatment, and plastics processing equipment.

Note:

Flow rates refer to a vertical mounting with fluid inlet upwards.

Specifications:

Body: Nickel-plated brass
 Impeller: Red Hostaform
 Glass: Pyrex
 Seals: NBR
 Max temperature: 90°C