quicker, cooler, faster...



flosense 4.0

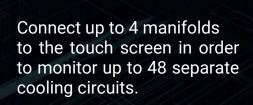
DIGITAL FLOW MONITOR

MANIFOLD





Complete unit with Pressure sensor installed on main inlet / return.



Use the alarm limits (and output) on flow and temperature to control the process stability and part quality.







pressure



Upgrade your molding machine with new digital flow manifold and improve your productivity.

Replacing traditional analogue manual flow regulators with new digital flow manifold will give you many advantages such as:

- Digital monitoring of Flow, Temperature and Pressure
- · Alarm Output
- · Higher flow capacity
- · Higher temperature range
- · Data storage and export
- · Faster Mold changeovers
- OPC-UA / Euromap interface /

Touch Screen with 4 manifold inputs. With magnetic bracket for easy installation. Equipped with power, alarm, USB and Ethernet connections.





for external use.





The system is equipped with Audit Log to keep track of all events including user ID tracer.

PART NO.	Size	Manifold inputs	Power Connection	Alarm Output	Interface
FS-7100	7,1"	4	12V	Yes	OPC-UA

CONSTRUCTION

Material:

Flow modules: DZR Brass / nickel plated /

Cover: stainless steel

Flow sens 0.13-2.6	or range opt 0,27-5,2	ion (gpm) 0,53-10,4	Ports	Length	Width	Height	
			4	8.2/3"	6.10"	2.83"	248°F
•	•	•	4	8.2/3"	6.10"	2.83"	320°F
•	•	•	6	11.1/3"	6.10"	2.83"	248°F
•	•	•	6	11.1/3"	6.10"	2.83"	320°F
•	•	•	8	13.94"	6.10"	2.83"	248°F
•	•	•	8	13.94"	6.10"	2.83"	320°F
•	•	•	10	16.57"	6.10"	2.83"	248°F
•	•	•	10	16.57"	6.10"	2.83"	320°F
•	•	•	12	19.1/5"	6.10"	2.83"	248°F
•	•	•	12	19.1/5"	6.10"	2.83"	320°F
	0.13-2.6	0.13-2.6		0.13-2.6 0,27-5,2 0,53-10,4 Ports 	0.13-2.6 0,27-5,2 0,53-10,4 Ports Length 4 8.2/3" 6 11.1/3" 6 11.1/3" 8 13.94" 10 16.57" 12 19.1/5"	0.13-2.6 0,27-5,2 0,53-10,4 Ports Length Width 4 8.2/3" 6.10" 6.10" 6.10" 6.10" 6.10" 6.10" <	0.13-2.6 0,27-5,2 0,53-10,4 Ports Length Width Height 4 8.2/3" 6.10" 2.83" 6 11.1/3" 6.10" 2.83" 6 11.1/3" 6.10" 2.83" 8 13.94" 6.10" 2.83" 6.10" 2.83" .<

Ordering Example: Part No. + Flow sensor range (F4M4-1-20)

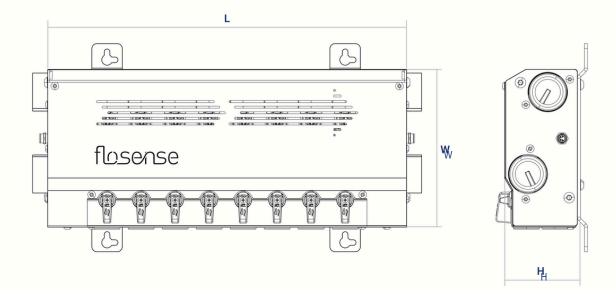
HT = High Temperature.

Complete unit with Pressure sensor installed on main inlet / return. Connect up to 4 manifolds to the touch screen in order to monitor uo to 48 separate cooling circuits.

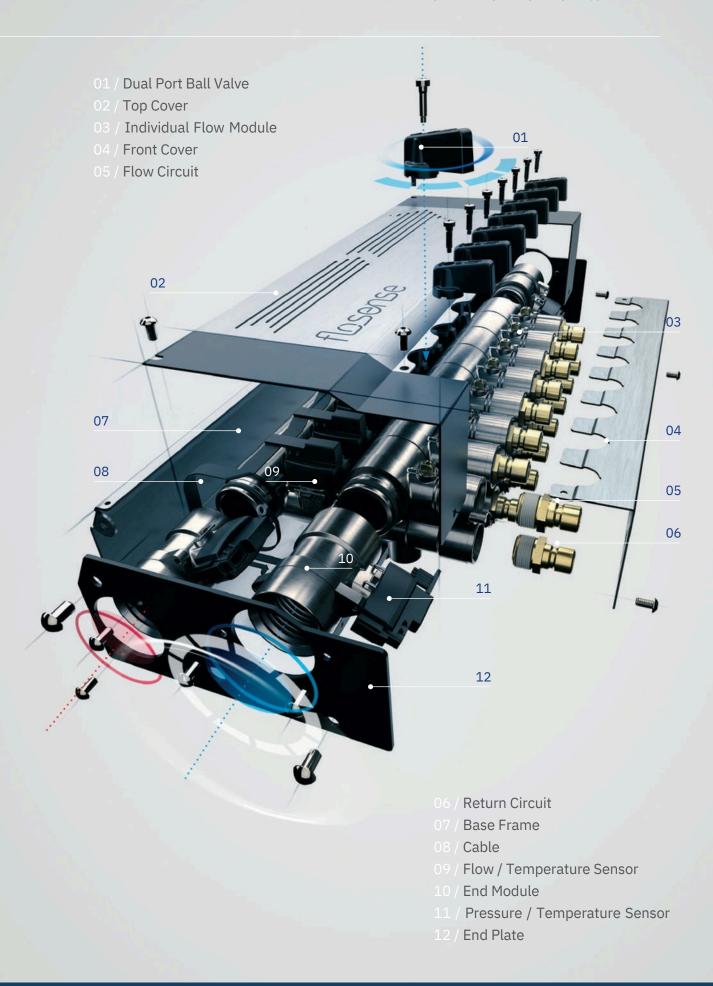
Use the alarm limits (and output) on flow and temperature to control the process stability and part quality.

Material:

Flow modules: DZR Brass / nickel plated / Cover: stainless steel.









ACCESSORIES

Manifold / Extension cable

PART NO.	Connection	Length (ft)
FS-3P-EC1000	M8/M8/3P	3.28
FS-3P-EC2000	M8/M8/3P	6.56
FS-3P-EC5000	M8/M8/3P	16.40
FS-3P-EC10000	M8/M8/3P	32.80



Blanking Plug

PART NO.	Connection	Seal
SSEC1	1" BSPP	FKM



Port Connector Plugs

PART NO.	Connection	Size/Series		
09NRF	R 1/2"	09 EURO Style	9,0 mm	13,4 mm
13NRF	R 1/2"	13 EURO Style	Series 09	Series 13
20NRF	R 1/2"	20 Int. Style	9,4 mm	13,5 mm
30NRF	R 1/2"	30 Int. Style	Series 20	Series 30
08NRF	R 1/2"	French Type Style	13,8 mm	17 mm
F9NRF	R 1/2"	French Matic Style	Series 8	Series 9
06NRF	R 1/2"	06 Scandinavian Style	10 mm Series	6
10MF	R 1/2"	10 mm Hosetail		
13MF	R 1/2"	13 mm Hosetail		
25MF	R 1"	25 mm Hosetail		
38MF	R 1"	38 mm Hosetail		

SPECIFICATION

MATERIALS	
Modules	Nickel Plated DZR Brass (Corrosion resistant)
Main Feed	R1"
Circuits	R1/2"
Cover	Stainless Steel



DISPLAY	
Туре	Touch
Size	7,1"
Voltage	12-24 Volt.
Data	USB + Ethernet
Communications	OPC UA
Internal memory	Up to 30 days data (FIFO)



FLOW	Standard Sensor	HT Sensor	4
Measuring range	0,13-2,6 gpm	0,13-2,6 gpm	**
	0,27-5,2 gpm	0,27-5,2 gpm	
	0,53-10,4 gpm	0,53-10,4 gpm	
Accuracy	(± 1 σ) in water, ± 1% FS	(± 1 σ) in water, ± 1% FS	
TEMPERATURE			
Measuring range	32-248°F	32-320°F	
Accuracy	59-194°F ± 0.5 K	59-194°F ± 0.5 K	
	32-248°F ± 1 K	32-248°F ± 1 K	
		248-320°F ± 2 K	
PRESSURE			
Measuring range	0-145 psi ±		
Accuracy	2.5% FS		

