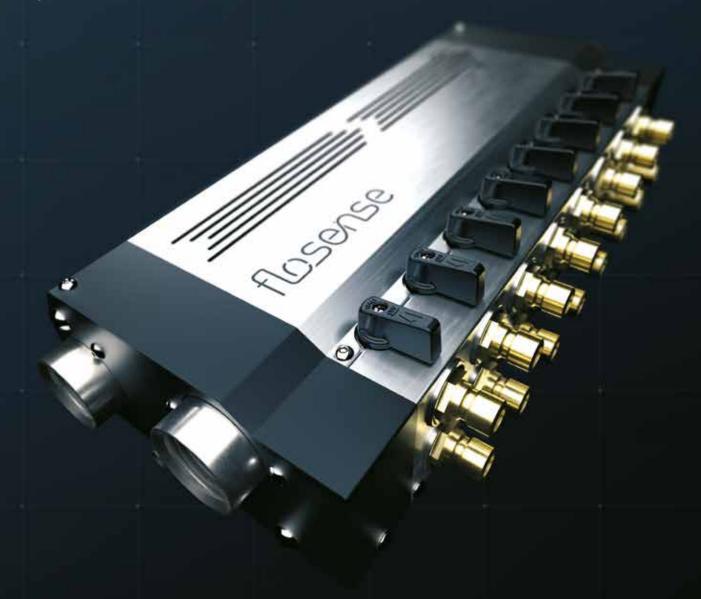
quicker, cooler, faster...



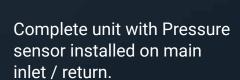
flosense 4.0

DIGITAL FLOW MONITOR



MANIFOLD





Connect up to 4 manifolds to the touch screen in order to monitor up to 48 separate cooling circuits.

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







e pressure



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

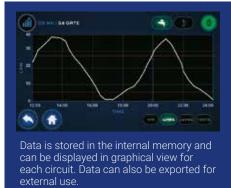
Replacing traditional analogue manual flow regulators with new digital flow manifold will give you many advantages such as:

- Digital monitoring of Flow, Temperature and Pressure
- Alarm Output
- Higher flow capacity
- Higher temperature range
- Data storage and export
- Faster Mould 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.









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	sor range op 1-20	tion (I/m) 2-40	Ports	Length / mm /	Width / mm /	Height / mm /	
	•		4	220	155	72	120°C
•	•	•	4	220	155	72	160°C
•	•	•	6	287	155	72	120°C
•	•	•	6	287	155	72	160°C
•	•	•	8	354	155	72	120°C
•	•	•	8	354	155	72	160°C
•	•	•	10	421	155	72	120°C
•	•		10	421	155	72	160°C
•	•	•	12	488	155	72	120°C
•	•	•	12	488	155	72	160°C
	0,5-10	0,5-10 1-20		0,5-10 1-20 2-40 Ports <t< td=""><td>0,5-10 1-20 2-40 Ports / mm / 4 220 6 287 6 287 8 354 10 421 12 488</td><td>0,5-10 1-20 2-40 Ports / mm// mm// / mm// 4 220 155 4 220 155 6 287 155 8 354 155 . <td< td=""><td>0,5-10 1-20 2-40 Ports / mm / / mm / / mm / / mm / 4 220 155 72 6 287 155 72 6 287 155 72 8 354 155 72 </td></td<></td></t<>	0,5-10 1-20 2-40 Ports / mm / 4 220 6 287 6 287 8 354 10 421 12 488	0,5-10 1-20 2-40 Ports / mm// mm// / mm// 4 220 155 4 220 155 6 287 155 8 354 155 . <td< td=""><td>0,5-10 1-20 2-40 Ports / mm / / mm / / mm / / mm / 4 220 155 72 6 287 155 72 6 287 155 72 8 354 155 72 </td></td<>	0,5-10 1-20 2-40 Ports / mm / / mm / / mm / / mm / 4 220 155 72 6 287 155 72 6 287 155 72 8 354 155 72

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

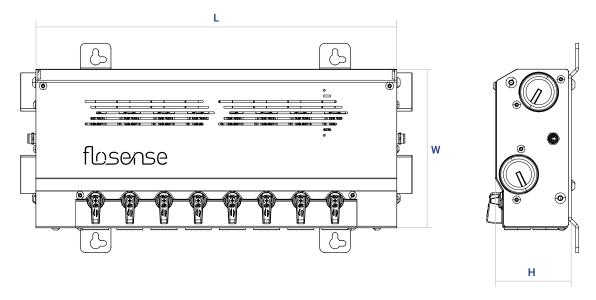
HT = High Temperature.

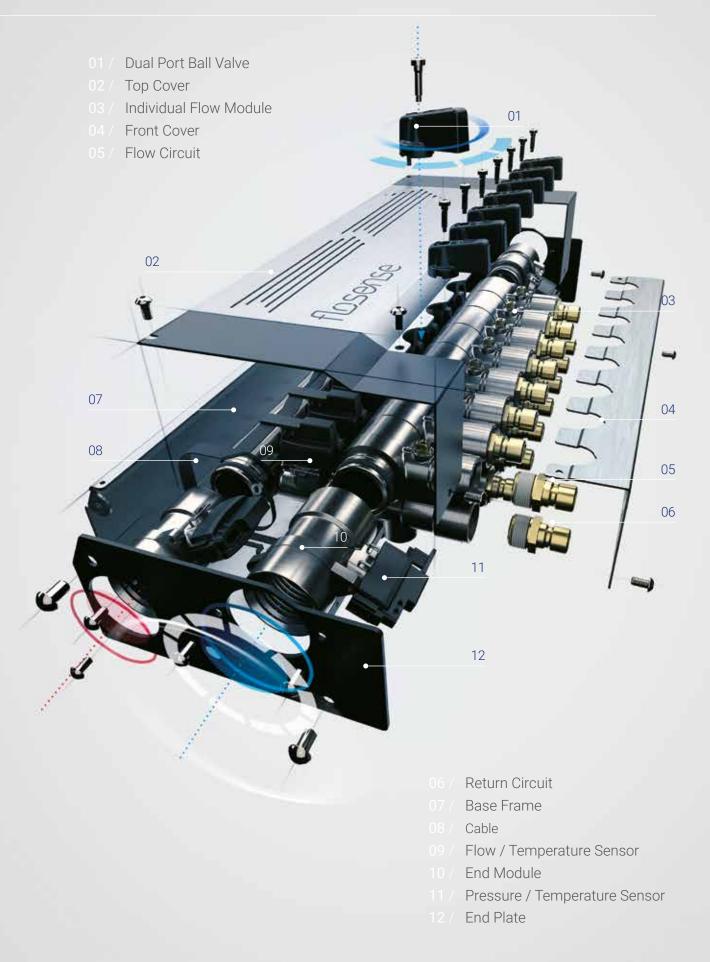
Complete unit with Pressure sensor installed on main inlet / return. Connect up to 4 manifolds to the touch screen in order to monitor uo to 48 separate cooling circuits.

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 (mm)
FS-3P-EC1000	M8/M8/3P	1000
FS-3P-EC2000	M8/M8/3P	2000
FS-3P-EC5000	M8/M8/3P	5000
FS-3P-EC10000	M8/M8/3P	10000



Blanking Plug

PART NO.	Connection	Seal
SSEC1	1" BSPP	FKM



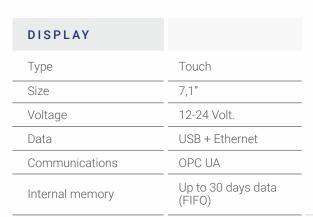
Port Connector Plugs

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







FLOW	Standard Sensor	HT Sensor
Measuring range	0,5-10 l/min (0,16-3,7 gpm)	0,5-10 l/min (0,16-3,7 gpm)
	1-20 I/min (0,27-5,2 gpm)	1-20 I/min (0,27-5,2 gpm)
	2-40 I/min (0,53-10,4 gpm)	2-40 I/min (0,53-10,4 gpm)
Accuracy	(± 1 σ) in water, ± 1% FS	(± 1 σ) in water, ± 1% FS
TEMPERATURE		
Measuring range	0-120°C (32-248°F)	0-160°C (32-320°F)
Accuracy	15-90°C (59-194°F) ± 0.5 K	15-90°C (59-194°F) ± 0.5 K
	0-120°C(32-248°F) ± 1 K	0-120°C (32-248°F) ± 1 K
		120-160°C (248-320°F) ± 2 K
PRESSURE		
Measuring range	0-10 bar (0-145 psi)	
Accuracy	± 2.5% FS	





