

5 Serie

5 Serie is a flow regulator with double manifold inlet/return and temperature control and most compact size available in the market. Floats can be of different material as a function of flow rate measure.

Models

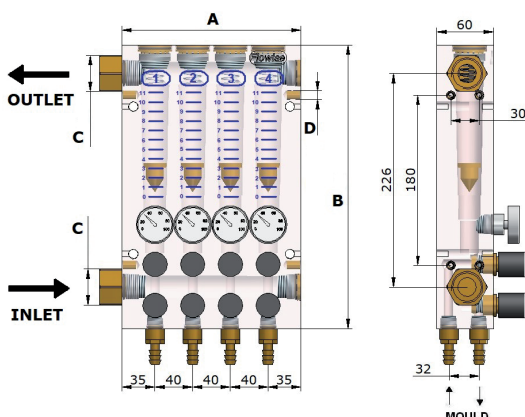
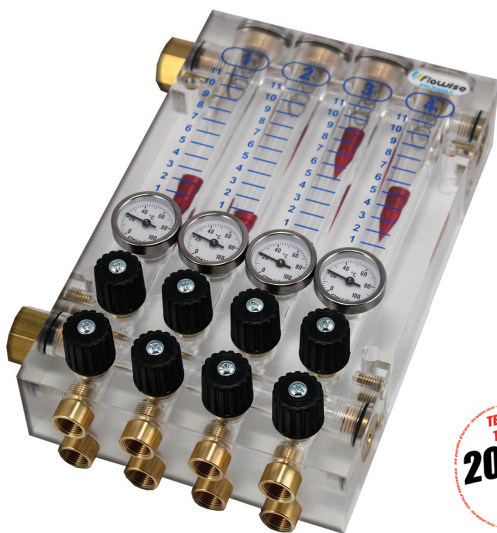
- 035** water flow rate 0-3,5 L/min (grey pvc float)
- 009** water flow rate 0,04-0,9 Gpm (grey pvc float)
- 008** water flow rate 0-8 L/min (red anodized aluminum float)
- 022** water flow rate 0,09-2,2 Gpm (red anodized aluminum float)
- 115** water flow rate 1-15 L/min (brass float 1)
- 041** water flow rate 0,4-4,1 Gpm (brass float 1)
- 425** water flow rate 4-25 L/min (brass float 2)
- 166** water flow rate 1-6,6 Gpm (brass float 2)

Technical data

- Main connections G 3/4" or G 1" F brass, mold connections G 3/8" F of G 1/2" F brass with hose fittings (ø 10-13-15 mm)
- 60 mm methacrylate block machined work
- Maximum working pressure 20 Bar @ 20° C water
- Maximum working temperature 80° C
- 20 Bar water test after assembly of each Flowise flow regulator: no water loss guarantee.

Optional

- F° thermometers and Npt connections
- 5 Serie can be supplied with solenoid valves (brass or inox) for central shutdown of several mold circuits to avoid condensation on mold cavities
- Flowise cleaner for rusty, limestone and grease
- Mounting brackets



5 SERIE					
DIMENSIONS (mm)	A	B	C (Gas)	C (Npt)	D
1 ZONE	70	300	G 3/4" - G 1" F	Npt 3/4" - 1" F	M6
2 ZONE	110	300	G 3/4" - G 1" F	Npt 3/4" - 1" F	M6
3 ZONE	150	300	G 3/4" - G 1" F	Npt 3/4" - 1" F	M6
4 ZONE	190	300	G 3/4" - G 1" F	Npt 3/4" - 1" F	M6
5 ZONE	230	300	G 3/4" - G 1" F	Npt 3/4" - 1" F	M6
6 ZONE	270	300	G 3/4" - G 1" F	Npt 3/4" - 1" F	M6

2 Serie



TESTATO
TESTED
20 BAR
PROBADO
GETESTED
EXAMINE

2 Serie is made in 50 mm methacrylate block machined work from 1 to 6 zones with double manifolds (water to and back to mold), brass regulation valves and thermometers. 2 Serie is different to other Flowise model, 5 Serie, for the back connections to mold with dimensions Gas 3/8" or Gas 1/2" Female. Flow is measure using different floats made in pvc, aluminium or brass and each one has his range of flow rate.

Models

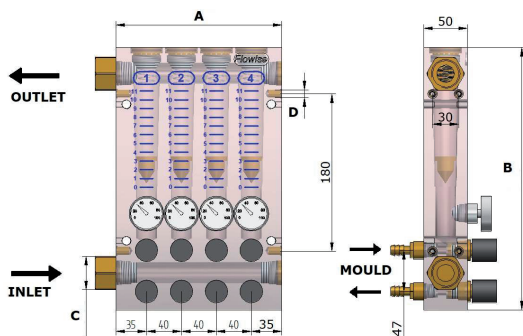
- 035** water flow rate 0-3,5 L/min (grey pvc float)
- 009** water flow rate 0,04-0.9 Gpm (grey pvc float)
- 008** water flow rate 0-8 L/min (red anodized aluminum float)
- 022** water flow rate 0.09-2.2 Gpm (red anodized aluminum float)
- 115** water flow rate 1-15 L/min (brass float 1)
- 041** water flow rate 0,4-4,1 Gpm (brass float 1)
- 425** water flow rate 4-25 L/min (brass float 2)
- 166** water flow rate 1-6,6 Gpm (brass float 2)

Technical data

- Main connections G 3/4" or G 1" F brass, mold connections G 3/8" F of G 1/2" F brass with hose fittings (ø 10-13-15 mm)
- 50 mm methacrylate block machined work
- Maximum working pressure 20 Bar @ 20° C water
- Maximum working temperature 80° C
- 20 Bar water test after assembly of each Flowise flow regulator: no water loss guarantee.

Optional

- F° thermometers and Npt connections
- 2 Serie can be supplied with solenoid valves (brass or inox) for central shutdown of several mold circuits to avoid condensation on mold cavities
- Flowise cleaner for rusty, limestone and grease
- Mounting brackets



2 SERIE

DIMENSIONS (mm)	A	B	C (Gas)	C (Npt)	D
4 ZONE	190	300	G 3/4" - G 1" F	Npt 3/4" - 1" F	M6
6 ZONE	270	300	G 3/4" - G 1" F	Npt 3/4" - 1" F	M6

1 M Serie | flow regulator with inlet manifold



TESTATO
TESTED
20 BAR
PROBADO
GETESTED
EXAMINE

1M Serie is a flow regulator made in 50 mm methacrylate block machined work in two modules, 4 and 6 zones, with regulation, temperature and flow measurement of cooling water to mold with inlet manifold. Floats can be of different material as a function of flow rate measure.

Models

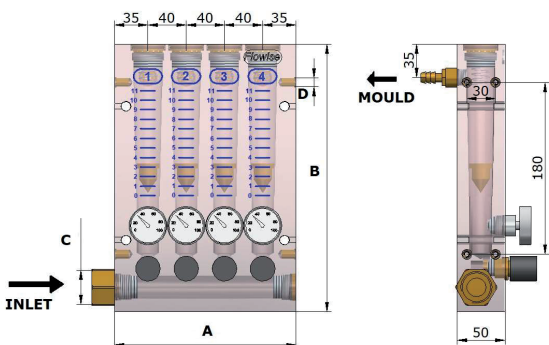
- 035** water flow rate 0-3,5 L/min (grey pvc float)
- 009** water flow rate 0,04-0.9 Gpm (grey pvc float)
- 008** water flow rate 0-8 L/min (red anodized aluminum float)
- 022** water flow rate 0.09-2.2 Gpm (red anodized aluminum float)
- 115** water flow rate 1-15 L/min (brass float 1)
- 041** water flow rate 0,4-4,1 Gpm (brass float 1)
- 425** water flow rate 4-25 L/min (brass float 2)
- 166** water flow rate 1-6,6 Gpm (brass float 2)

Technical data

- Back water mold connections G 3/8" F of G 1/2" F brass with hose fittings (ø 10-13-15 mm)
- 50 mm methacrylate block machined work
- Maximum working pressure 20 Bar @ 20° C water
- Maximum working temperature 80° C
- 20 Bar water test after assembly of each Flowise flow regulator: no water loss guarantee.

Optional

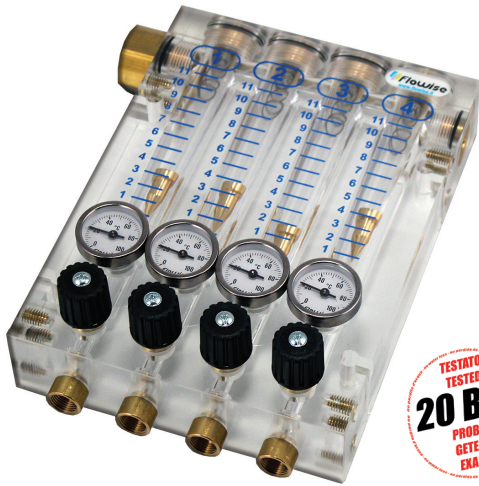
- F° thermometers and Npt connections
- 1M Serie can be supplied with solenoid valves (brass or inox) for central shutdown of several mold circuits to avoid condensation on mold cavities
- Flowise cleaner for rusty, limestone and grease



1M SERIE

DIMENSIONS (mm)	A	B	C (Gas)	C (Npt)	D
4 ZONE	190	280	G 3/4" - G 1" F	Npt 3/4" - 1" F	M6
6 ZONE	270	280	G 3/4" - G 1" F	Npt 3/4" - 1" F	M6

1 R Serie | flow regulator with outlet manifold



TESTATO
TESTED
PROBADO
GETESTED
EXAMINE
20 BAR

1R Serie is a flow regulator made in 50 mm methacrylate block machined work in two modules, 4 and 6 zones, with regulation, temperature and flow measurement of cooling water back to mold with outlet manifold. Flow is measure using different floats made in pvc, aluminium or brass and each one has his range of flow rate.

Models

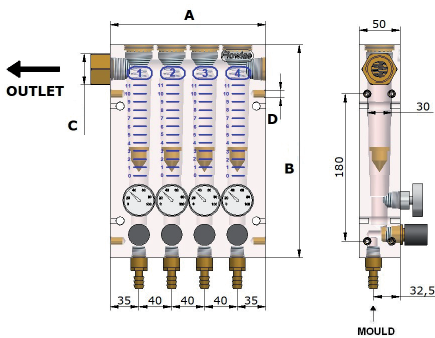
- 035** water flow rate 0-3,5 L/min (grey pvc float)
- 009** water flow rate 0,04-0.9 Gpm (grey pvc float)
- 008** water flow rate 0-8 L/min (red anodized aluminum float)
- 022** water flow rate 0.09-2.2 Gpm (red anodized aluminum float)
- 115** water flow rate 1-15 L/min (brass float 1)
- 041** water flow rate 0,4-4,1 Gpm (brass float 1)
- 425** water flow rate 4-25 L/min (brass float 2)
- 166** water flow rate 1-6,6 Gpm (brass float 2)

Technical data

- Water mold connections G3/8" of G 1/2" F brass with hose fittings (ø 10-13-15 mm)
- 50 mm methacrylate block machined work
- Maximum working pressure 20 Bar @ 20° C water
- Maximum working temperature 80° C
- 20 Bar water test after assembly of each Flowise flow regulator: no water loss guarantee.

Optional

- F° thermometers and Npt connections
- 1R Serie can be supplied with solenoid valves (brass or inox) for central shutdown of several mold circuits to avoid condensation on mold cavities
- Flowise cleaner for rusty, limestone and grease



1R SERIE

DIMENSIONS (mm)	A	B	C (Gas)	C (Npt)	D
4 ZONE	190	260	G 3/4" - G 1" F	Npt 3/4" - 1" F	M6
6 ZONE	270	260	G 3/4" - G 1" F	Npt 3/4" - 1" F	M6

Mini



TESTATO
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PROBADO
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EXAMINE
20 BAR

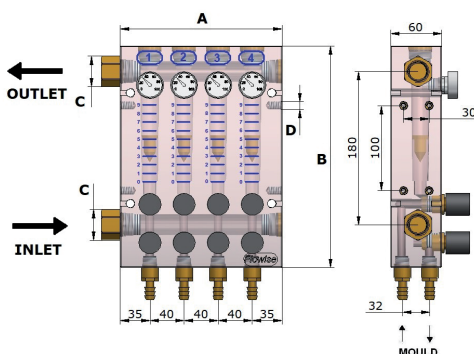
Mini is a modular flow regulator made in modules of 2,3,4 zone and thanks to our modularity system will be feasible patterns from 5 to 8 zones. Mini is Flowise model for small injection molding machines or for water applications with flow rate 0-8 Lt/min or 2,2 Gpm max.

Technical data

- Main connections G 3/4" F, mold connections brass G 3/8" F and hose fittings (ø 10-13-15 mm)
- 60 mm methacrylate block machined work
- Maximum working pressure 20 Bar @ 20° C water
- Maximum working temperature 80° C
- 20 Bar water test after assembly of each Flowise flow regulator: no water loss guarantee.

Optional





- F° thermometers and Npt connections
- Mini can be supplied with solenoid valves (brass or inox) for central shutdown of several mold circuits to avoid condensation on mold cavities
- Flowise cleaner for rusty, limestone and grease



MINI

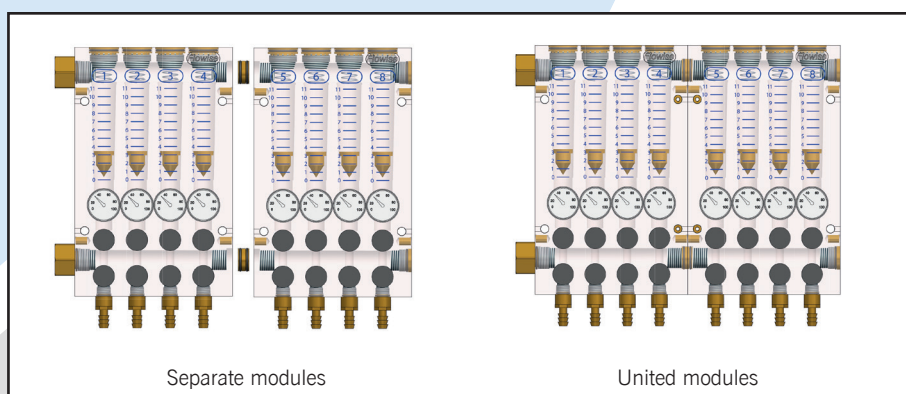
DIMENSIONS (mm)	A	B	C (Gas)	C (Npt)	D
2 ZONE	110	260	G 3/4"	Npt 3/4"	M6
3 ZONE	150	260	G 3/4"	Npt 3/4"	M6
4 ZONE	190	260	G 3/4"	Npt 3/4"	M6

Water flow rate

Pvc	Alluminium	Brass 1	Brass 2
			
0 - 3,5 lt/min 0,04-0.9 Gpm	0 - 8,3 lt/min 0.09-2.2 Gpm	1 - 15 lt/min 0,4-4,1 Gpm	4 - 25 lt/min 1-6,6 Gpm

Modularity System

Flowise flow regulators are manufacture in modules from 1 to 6 zone: modules can be assembled together thanks to our modular system that allows you to create models from 7 to 24 zone with central manifold and 2" gas back connection.



How to clean flow regulator

Close brass valves water return to mold (first row) use 8 mm Allen key (photo 1) to unscrew upper plugs (photo 2) extract floats using M5 threaded bar (photo 3) use water with Flowise detergent (30% or higher) and leave for few minutes, then clean channels and manifold with soft brush supplied.



Order code

ORDER CODES			MODEL (FLOAT FOR FLOW RATE)				MAIN HYDRAULIC CONNECTIONS		CONNECTIONS TO MOLD		HOSE FITTINGS		
MODEL	CODE	CIRCUITS	L= Lt/minG=Gpm				(G=Gas - Npt)		(G=Gas)		(Diameter, mm)		
5 SERIE	S5	1 TO 24	035L	008L	115L	425L	G 3/4" F	G 1" F	G 3/8" F	G 1/2" F	10	13	15
			009G	022G	041G	116G	NPT 3/4" F	NPT 1" F					
2 SERIE	S2	1 TO 24	035L	008L	115L	425L	G 3/4" F	G 1" F	G 3/8" F	G 1/2" F	10	13	15
			009G	022G	041G	116G	NPT 3/4" F	NPT 1" F					
1M SERIE	S1M	4-6	035L	008L	115L	425L	G 3/4" F	G 1" F	G 3/8" F	G 1/2" F	10	13	15
			009G	022G	041G	116G	NPT 3/4" F	NPT 1" F					
1R SERIE	S1R	4-6	035L	008L	115L	425L	G 3/4" F	G 1" F	G 3/8" F	G 1/2" F	10	13	15
			009G	022G	041G	116G	NPT 3/4" F	NPT 1" F					
MINI	M	2-3-4-5-6	008L				G 3/4" F		G 3/8" F	G 1/2" F	10	13	15
			022G				NPT 3/4" F						

ORDER NUMBER (EXAMPLE)

S5	20	008L	G3/4" F	G3/8" F	13
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