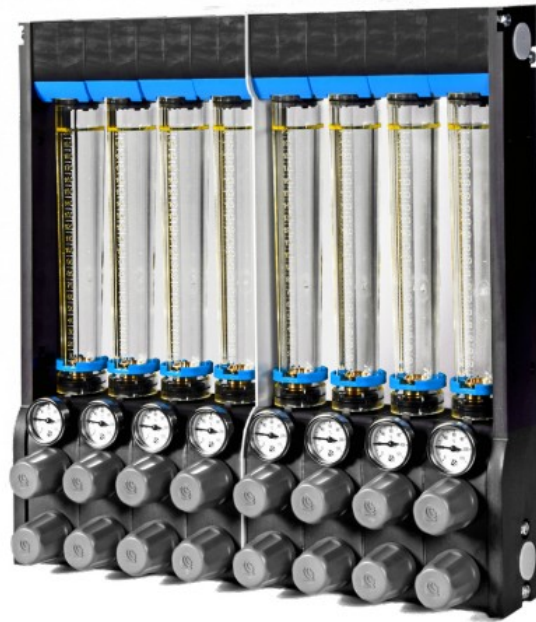


Marse – Water Flow Regulators (WFR / RWFR / EWFR)*Water Flow Regulators | For closed and open-loop systems***ZS Model****ZR Model***WFR – ZS (Ø12 mm) and ZR (3/8") versions**WFR***Product description**

The Marse WFR series measures and regulates the cooling water flow in each circuit of the injection mould's cooling channels. The basic WFR is a visual, manual device with a built-in thermometer, for up to max. 90°C. The RWFR 120 and RWFR 160 glass-tube, high-temperature models are designed for closed-loop systems – to accompany WIC series TCUs. The EWFR is electronic: the flow and temperature of every circuit are shown on a 7" touchscreen, and an alarm is raised automatically if a deviation occurs.

Series summary

Series	Max. temp.	Max. pressure	Circuits	Display / monitoring	Connection
WFR ZS / ZR	90°C	8 bar	1–12	Manual – built-in thermometer	3/4"
RWFR 120 (T/standard)	120°C	10 bar	2–12	Manual – with thermometer (T) or without	1"
RWFR 160 (T/standard)	160°C	15 bar	2–12	Manual – with thermometer (T) or without	1"
EWFR ZS / ZR	90°C	8 bar	2–12	7" display – flow + temp. + alarm	3/4"

RWFR 160 / RWFR 120 / EWFR

High-temperature models and electronic series



RWFR 160 (max. 160°C)



RWFR 120 (max. 120°C)



EWFR – electronic, 7" display

Technical specifications – RWFR 120 and RWFR 160

Parameter	RWFR 120	RWFR 160
Max. temperature	120°C	160°C
Max. pressure	10 bar	15 bar
Tube material	Glass	Glass
Thermometer version (T)	Yes (T designation)	Yes (T designation)
Number of circuits	2, 3, 4, 5, 6, 8, 10, 12	2, 3, 4, 5, 6, 8, 10, 12
Main connection	1"	1"
Per-circuit outlet	1/2"	1/2"
Front protective cover	–	Yes – optional (€110–180)
Application	Alongside WIC TCUs, closed loop	Alongside WIC TCUs, closed loop

Technical specifications – EWFR (electronic)

Parameter	Value
Max. temperature	90°C
Max. pressure	8 bar (40°C) / 4 bar (90°C)
Display	7" touchscreen – flow + return temperature per circuit
Measured parameters	Flow + temperature per circuit, alarm on deviation
Data logging	Yes – real-time process data
Retrofit option	Yes – can be fitted to an existing WFR
Number of circuits	2, 4, 6, 8, 10, 12
Main connection	3/4"
ZS / ZR versions	ZS = Ø12 mm hose connection ZR = 3/8" threaded connection

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