

single

created for your perfection

SFC WATER MANIFOLD SYSTEMS



SFC 4
SFC 6
SFC 8



TEMPERIERUNG
MIT WASSER



TEMPERIERUNG
MIT ÖL



ATT
WECHSEL SYSTEME



KÜHLGERÄTE

SFC WATER MANIFOLD

The SFC water manifold is fully integrated into the control system of the temperature control units. The SFC is available either as an add-on or stand-alone version and with 16 (2x8), 8, 6 or 4 water circuits. Each circuit is monitored and optionally controlled. Robust and high quality components with accurate temperature and flow measurement guarantee high process stability in water distribution and control and enable improved part quality with the lowest possible scrap.

ROBUST

BEST POSSIBLE ENERGY EFFICIENCY

INTEGRATED SOLUTIONS

EXTENSIVE CONFIGURATION OPTIONS

EXCELLENT PRICE _ PERFORMANCE RATIO

MOUNTING AND
STANDALONE VARIANT

SMART

ADVANTAGES:

BEST PRICE/PERFORMANCE RATIO

- cost-efficient due to control via single temperature control system
- Highly-integrated hydraulic blocks
- modular design

CONFIGURATION POSSIBILITIES

- over 2,000 different configurations possible
- Design Alternatively attached to the temperature control unit; separate, but controlled via the temperature control system or as a separate manifold with its own control system
- Still easy to handle for the operator

BEST POSSIBLE ENERGY EFFICIENCY

- With motorized control, the SFC and speed control of the pump are set to optimum energy consumption; even if the manifold is not attached to the unit.
- With manual metering valves, optimum energy consumption can also be achieved (economical and robust; but must then be adjusted by hand after mold change). The manual metering valves can be adjusted much more precisely than the usual shut-off valves

ROBUST

- Robust brass blocks; sensors and actuators from proven, well-known European manufacturers
- Solid construction over sheet steel housing
- Electrical system and cable routing concealed and splash-proofed

SMART (available from 2022; earlier deliveries upgradeable free of charge)

- First Smart water manifold on the market, i.e. connection to Single Smartline
- OPC UA capable
- Water manifold remembers its parameterization; i.e. when a controlling temperature control system is changed, the system continues to run seamlessly without new parameterization

INTEGRATED SOLUTIONS

- Temperature control system and water distributor from one source
- Compact design for add-on solution
- No separate power supply or interface connection required

OPTIONS:

- Temperature sensor in the inflow
- Pressure sensor in inflow and outflow
- Shut-off valves in inflow and outflow (for the separate solution)
- Meco connections in the circuits and in inflow and outflow
- max. media temperature up to +160°C
- Pressure sensor f. main inlet and outlet
- shut-off valve on the main connections of the water manifold
- Main connections designed as sealing cone screw connection (DIN 3863), G1/2" for SFC 4 - G1" for SFC6 and SFC8
- Distributor circuit connections designed as sealing cone screw connection (DIN 3863), G3/82".
- Manually adjustable line regulating valve in the return line of each distribution circuit
- electrical control valve in the return of each distribution circuit

Technical Data

Heat transfer media	Water (not distilled) with/without anti-corrosion agent
Min./Max. Media Temp.	+10...+120°C (optional +160°C)
Max. Media Pressure	10bar
Environmental-temp.	+0...+50°C

FLOW MEASUREMENT:

Measuring range	1-18l/min
Measuring accuracy	+/-1% v. MEW (0...120°C)

TEMPERATURE MEASUREMENT:

Measuring range	0-120°C
Measuring accuracy	+/-1K (0...120°C)

	SFC4	SFC6	SFC8
WEIGHT (kg):	10	15	20

CONNECTIONS:

Main inlet & outlet	G1/2"IG	G1"IG	G1"IG
Manifold	G1/2"IG	G1/2"IG	G1/2"IG



YOU HAVE QUESTIONS? OR A TASK FOR US?

Then please contact us directly!

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