Technical Standard Specification

first choice
in temperature control

Device type:	Water distributor SFC
Temperatures	-120 (-160)
Circuits	-4 (-6, -8)

Controllable via temperature control system with SSC and preparation for connection SFC (SFC.A.x or SFC.Rx) or via separate control SFC Control

Equipment

- With optional 4, 6 or 8 distribution circuits
- Eddy current flow meter in the from process line of each distribution circuit
- Temperature sensor in the from processline of each distribution circuit
- Temperature sensor for main inflow (option)
- All water touched parts corrosion-resistant (brass/stainless steel)
- Ball valve in the flow of each distribution circuit
- Good accessibility to the sensors due to rotatable switch box
- Electronics housed in separate control box in from of the hydraulic unit
- High-quality, removable thermal insulation with Velcro fastener around the distribution block
- Built into a robust, powder-coated sheet steel housing
- For wall mounting by the customer or mounted on the temperature control unit
- Easy mounting due to supplied mounting plate (with sep. solution)
- Power supply (24VDC) and data exchange via a robust 4-pole Harting plug connection
- Incl. connection cable (length = 5m) for connection to temperature control units with SFC.R (Ready) or SFC.CONTROL

Options

- Max. media temperature up to +160°C (option)
- Pressure sensor for main inflow and outflow (option)
- Ball valve at the main connections of the water distributor (option)
- Main connections as sealing cone screw connection (DIN 3863), G1/2" for SFC...4, G1" for SFC...6 and SFC...8 (option)
- Distribution circuit connections as sealing cone screw connection (DIN 3863), G3/82" (option)
- Manually adjustable line regulating valve in the return of each distribution circuit (option)
- Motorized control valve in the return of each distribution circuit (option); volume flow control range: 2-17 ltr / min, control range differential temperature 2-10 ° K; (Attention: Retain the minimum flow rate of the temperature control system!)

Technical data

Application limits:	
- Heat transfer media	Water (no deionised water) with/without anti-corrosion agent
- Min./max. media temp.	+10...+120°C (optional …+160°C)
- Max. media pressure	8 bar @ 120°C (10 bar @ 160°C)
- Ambient temp.	+0…+50°C
- Relative humidity:	max. 85% (non-condensing)
Flow measurement	
- Measuring range	1-18 l/min (must not be exceeded or fallen below)
- Measuring accuracy	+/- 1,5% v.MEW up to 12ltr/min +/- 2,5% v.MEW up to 12ltr/min
Temperature measurement	
- Measuring range	0-120°C (optional …+160°C)
- Measuring accuracy	+/-1K @ 120°C (+/-1,1K @ 160°C)
Protection class	IP 54

		SFC…-4	**SFC…-6**	**SFC…-8**
Dimensions:				
- Width:	[mm]	312	440	550
- Height w\o valves	[mm]	165	165	165
- Height with valves	[mm]	233	233	133
- Depth with MP*	[mm]	243	253	253
* MP = mounting plate				
Weight with MP*:	[kg]	11,4	16,0	20,5
* MP = mounting plate				
Connections:				
- Main inlet and outlet:		G1/2"IG	G1"IG	G1"IG
- Distribution circuits		G1/2"IG	G1/2"IG	G1/2"IG
Colour:		RAL 7035 (light grey)		

- Subject to technical changes; as at: 11.02.2022; modified by F.Spork -