

Data Sheet

FTC Floor Heating Sensor

Application

FTC is used for flow temperature control of floor heating and radiator heating systems.

FTC is a self-acting thermostatic sensor, which can be combined with 2-way valve bodies, types RA-N and RA-C.

The water temperature is measured by a surface sensor, which is easily mounted on the pipe with a strip (enclosed with the product). The snap-lock connector of the sensor element secures a firm connection to the valve.

Features:

- Closes on rising sensor temperature.
- Temperature range: 15-50°C or 35-70°C.
- Valve can be mounted on flow or return pipe.
- Sized for pressure PN 10.



Ordering

Sensor type	Setting range	Capillary length	Max. ambient temperature	Order Number
FTC	35 - 70°C	0 - 2 m	65°C	013G5080
FTC	15 - 50°C	0 - 2 m	65°C	013G5081

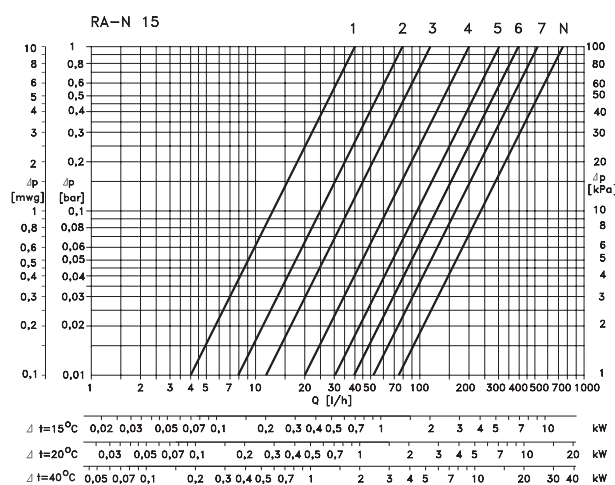
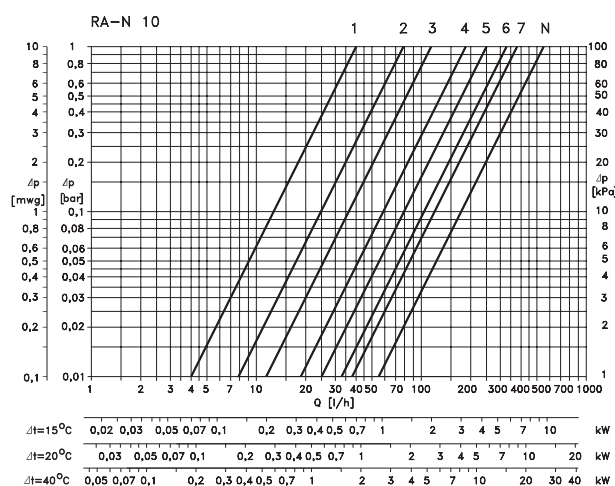
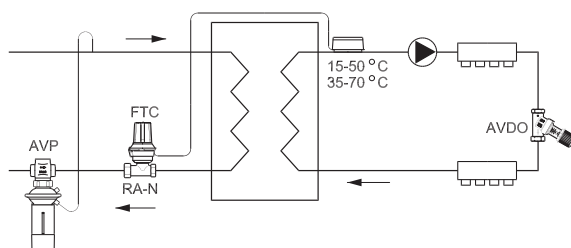
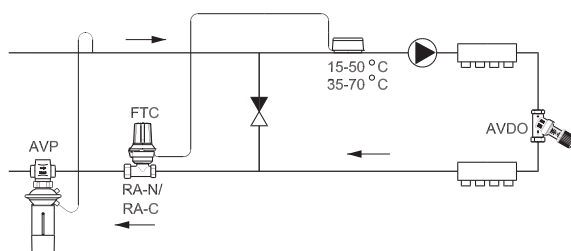
Valve body	Connection		k_{VS}^*	Order Number
	Inlet	Outlet		
RA-N 10, straight	G 3/8	R 3/8	0.65 m ³ /h	013G0032
RA-N 15, straight	G 1/2	R 1/2	0.90 m ³ /h	013G0034
RA-N 20, straight	G 3/4	R 3/4	1.40 m ³ /h	013G0036
RA-C 15, straight	G 3/4 A	G 3/4 A	1.20 m ³ /h	013G3094
RA-C 20, straight	G 1 A	G 1 A	3.30 m ³ /h	013G3096

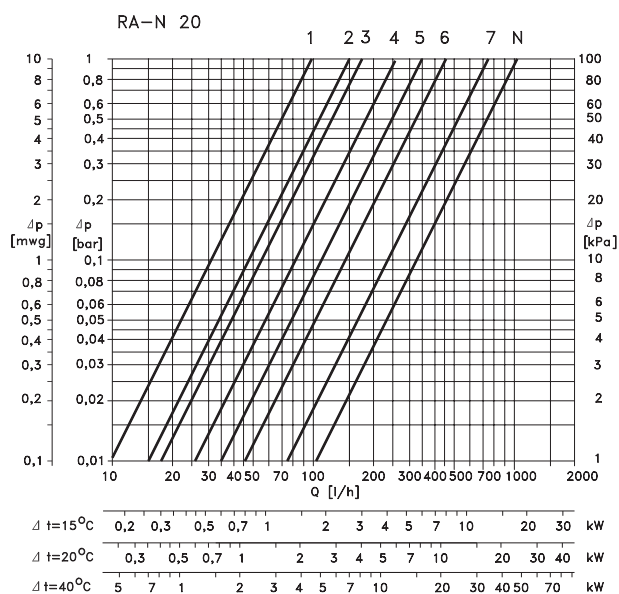
* k_V -value stated at setting N. X_p between 2 K and 8 K.

Technical data

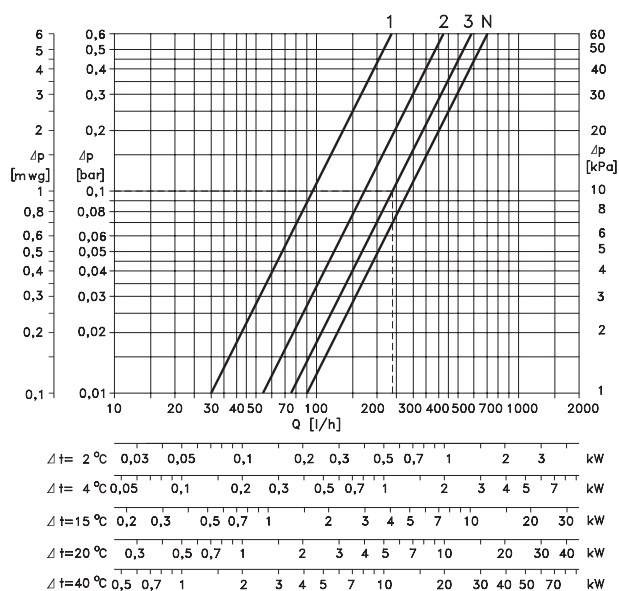
FTC sensor with valve body	k_V m ³ /h* at a P-band of K				Max. pressure			Max. flow temperature	Max. ambient temperature
	2	4	6	8	PN	Δp	Test		
RA-N 10	0.18	0.34	0.46	0.56	10 bar	0.6 bar	16 bar	120°C	65°C
RA-N 15	0.22	0.44	0.62	0.73					
RA-N 20	0.32	0.62	0.88	1.04					
RA-C 15	0.40	0.71	0.90	1.03					
RA-C 20	1.06	1.94	2.45	2.75					

* k_V -value stated at setting N. X_p between 2 K and 8 K.

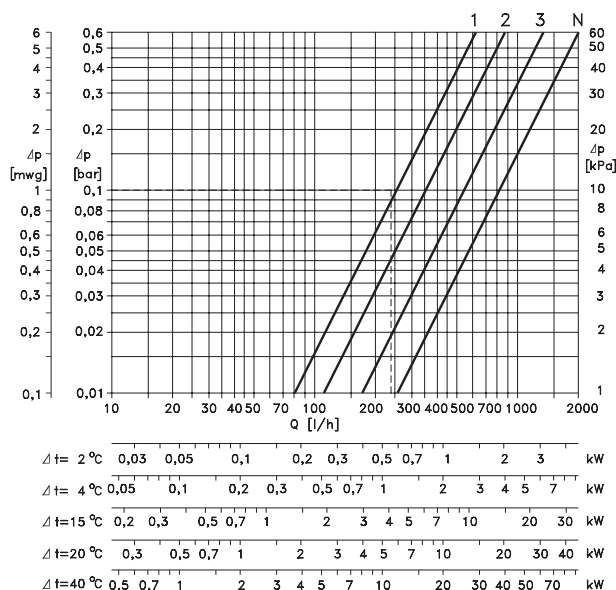




FTC sensor with RA-N 20 valve

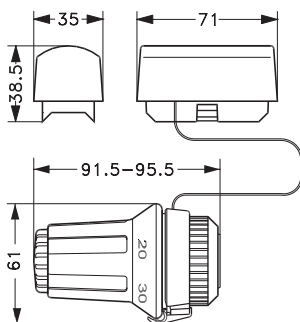


FTC sensor with RA-C 15 valve



FTC sensor with RA-C 20 valve

Dimensions



Devex Systems specialises in heating, cooling and insulation solutions for new and existing buildings in residential, commercial and industrial environments.

For more information on any of our product lines, please contact us at:

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