

Radio measuring capsule cold meter compact V ec

Precise cold consumption measurement for low flow quantities and remote readout without having to enter the flat using the measuring capsule cold meter compact V ec.

Product description

The cold meter is specially designed for installation in cooling circuits. The multiple-jet principle guarantees high measurement accuracy and measurement stability. The impeller wheel rotation is recorded using a contact-free and magnet-free sensory mechanism which enables recognition of the flow direction and software-supported regulation of the hydraulics (linearisation of the characteristic flow curve).

The calculator which can be due date programmed has 15 display functions, e.g. energy, due date, energy status on due date, flow, flow temperature and return temperature, temperature difference, performance, volume and cyclic self-test and diagnosis displays for the flow direction and temperature sensor installation.

Radio cold meter compact V ec data III

The measuring capsule cold meter compact V ec data III transfers the consumption data by radio transmission, it is no longer necessary to enter the flat for meter reading.

Cold meter compact V ec vario S

The electronic measuring capsule cold meter compact V ec vario S has an integrated radio module which can be activated at a later date, thus making the switchover to radio readout possible at any time.

Performance features

- High measurement accuracy and measurement stability using multiple-jet technology
- Flow direction recognition using special flow sensor mechanisms
- PTB certification for the measuring capsule meter as well as for overhead installation
- Installation checks and commissioning support using diagnosis displays
- LC display, providing quick access to billing-relevant meter information
- Removable calculator protects against dew condensate
- Optical interface: integrated as a standard, for readout and for servicing purposes

Radio cold meter compact V ec data III

- Remote transfer of the readout data from the consumption unit
- It is not necessary that the user is present for readout
- Transfer of mid-month and month-end values; on-site midway reading is dropped



Technical data Main meter

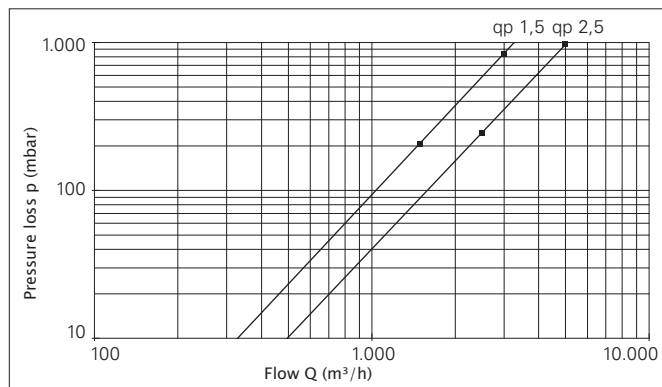
Nominal flow q_p :	(m^3/h)	1,5	2,5
Nominal width:	Dependent on measuring capsule connector		
Maximal flow q_s :	(l/h)	3,000	5,000
q_i/q_p (optional):	1:50, 1:25		
Start-up horizontal:	(l/h)	3	5
Start-up vertical:	(l/h)	4	6
Pressure loss by q_p :	(bar)	0.21	0.24
Pressure loss by q_s :	(bar)	0.66	0.92
Medium temperature range Θ_{Med} :	($^{\circ}C$)	5 to 50	5 to 50
Nominal pressure PN:	(bar)	16	16
Connection screw thread on the meter:	Measuring capsule M 62 x 2		

Technical data Calculator and sensor

Meter temperature range Θ :	($^{\circ}C$)	1 to 50
Temperature difference $\Delta\Theta$:	(K)	3 ... 49
Consumption calculation $\Delta\Theta$:	(K)	as of 0.2
Surrounding temperature:	($^{\circ}C$)	5 to 55
Surrounding conditions:	meet DIN EN 1434, class C	
Power supply:	Battery 10 years + reserve	
Casing protection:	IP 65	
Casing protection calculator:	IP 54	

Technical data radio

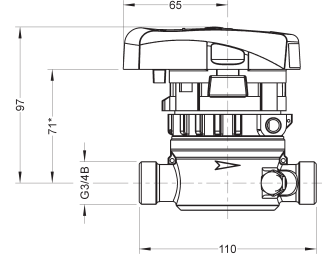
Radio data transmission:	Consumption data from 12 average mid-month figures and month-end figures, due date figure and status information
Radio frequency:	868.95 MHz
Transmitting power:	3 ... 10 mW
CE conformity:	according to guideline 1999/5EC



Pressure loss curve for measuring capsule heat meters

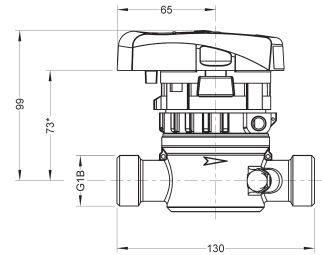
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Scan measuring capsule heat meter compact IV/IV S



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