

SOLAR CONTROL UNIT ACCESSORIES

VOLUME MEASURING INSTRUMENT



Product description

The V40 volume measuring instrument is a measuring device with contact transmitter for measuring the flow of water or water-glycol mixtures and is used together with TISUN controllers for heat quantity metering. After a defined flow volume has flowed through it, the V40 issues a pulse to the heat quantity meter. The heat quantity meter calculates the used heat from these pulses and a measured temperature difference based on defined parameters (type of glycol, density, heat capacity, etc.). The V40 is available for various connection diameters and rated flow quantities. Their design is different, but they function identically. They are delivered with screw connections. They must be installed taking into consideration the flow direction (observe the direction stipulated on the housing). To slow down the flow conditions, there must be a run-in and run-off of at least 30 cm before and after the volume measuring instrument.

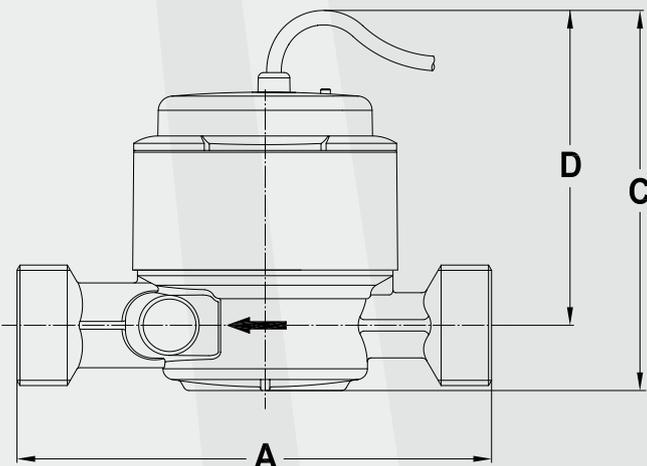
- Suitable for glycol-water mixtures
- Impeller meter with solenoid coupling
- Low pressure loss
- High-quality, wearproof materials

Note: To prevent pressure surges from cavitation in hydraulic systems, it is recommended that the system be filled cold and that air separators are used. Over time, pressure surges and turbulent flow conditions unavoidably result in the destruction of the sensitive measurement devices.

Specifications

Type		V40-0,6	V40-1,5	V40-2,5
Item no.		1510734	1510735	1510736
Pulse rate	l/Imp	1	10	25
Nominal size	DN	20	20	20
Connecting thread on the meter	Inch	1"	1"	1"
Connecting thread on the screw connection	Inch	3/4"	3/4"	3/4"
Max. operating pressure	bar	16	16	16
Max. operating temperature	°C	120	120	120
Rated flow*	m³/h	0.6	1.5	2.5
highest flow rate*	m³/h	1.2	3	5
Separation limit ± 3%*	l/h	48	120	200
lowest horizontal flow*	l/h	12	30	50
lowest vertical flow*	l/h	21	60	100
Overall length without threaded connection A	mm	110	110	130
Overall length with threaded connection	mm	209	209	228
Meter height with pulse sensor C	mm	108	108	108
Meter height from middle of pipe D	mm	90	90	90
Meter width	mm	72	72	72
Weight without threaded connection	kg	0.6	0.6	0.7
Installation options		Horizontal and vertical		

Housing dimensions and installation:



Pressure losses:

