Art. No.	RSK	Description	Energy	Product category	Montage	Media	Material	Dimensions (mm)	DN	Flow (l/min)	PN	Pressure (bar)	Temperature (°C)	Connection type	Connection dimension	Output signal	Communication	Accuracy	Accessories	Fits with article	Keyword	Workshop order
R	F	F	F	F					I	F		I	F		F	F	F	T				

Art. No.	RSK	Description	Energy	Product category	Montage	Media	Material	Dimensions (mm)	DN	Flow (l/min)	PN	Pressure (bar)	Temperature (°C)	Connection type	Connection dimension	Output signal	Accuracy	Communication	Accessories	Fits with article	Keyword	Workshop order
7029AG20-4M	518221	DN20, Q3=4, Length 190mm, Integrated M-Bus		Hot water meter	Horizontal	Hot waters	Brass		20		16		0,1041666667	Thread				M-Bus	R80	7056-20, 7059A20, 7068-20, 7358-190BV, 7359-1		Hot water meter; horizontal mount; M-Bus	

Art. No.	RSK	Description	Energy	Product category	Montage	Media	Material	Dimensions (mm)	DN	Flow (l/min)	PN	Pressure (bar)	Temperature (°C)	Connection type	Connection dimension	Output signal	Communication	Accuracy	Accessories	Fits with article	Keyword	Workshop order

Art. No.	RSK	Description	Energy	Product category	Montage	Media	Material	Dimensions (mm)	DN	Flow (l/min)	PN	Pressure (bar)	Temperature (°C)	Connection type	Connection dimension	Output signal	Accuracy	Communication	Accessories	Fits with article	Keyword	Workshop order
7029AG25-10M	5182222	DN25, Q3 = 10, Length 260mm, Integrated M-Bus	Hot water meter	Horizontal	Hot water	Brass			25	16		0,1041666667		Thread				M-Bus	R80	7056-25		Hot water meter; horizontal mount; M-Bus	

Art. No.	RSK	Description	Energy	Product category	Montage	Media	Material	Dimensions (mm)	DN	Flow (l/min)	PN	Pressure (bar)	Temperature (°C)	Connection type	Connection dimension	Output signal	Accuracy	Communication	Accessories	Fits with article	Keyword	Workshop order
7029AG40-16M	518223	DN40, Q3 = 16, Length 300mm, Integrated M-Bus		Hot water meter	Horizontal	Hot water	Brass		40		16		0, 104166667	Thread				M-Bus	R800-7056-400		Hot water meter; horizontal mount; M-Bus	

Art. No.	
RSK	
Description	DN20, Q3 = 4, Length 190mm, Integrated M-Bus,
Energy	
Product category	
Montage	
Media	Hot
Material	
Dimensions (mm)	
DN	
Flow (l/min)	
PN	
Pressure (bar)	
Temperature (°C)	
Connection type	
Connection dimension	
Output signal	
Communication	
Accuracy	
Accessories	
Fits with article	
Keyword	Hot water meter; vertical
Workshop order	

Art. No.	RSK	Description	Energy	Product category	Montage	Media	Material	Dimensions (mm)	DN	Flow (l/min)	PN	Pressure (bar)	Temperature (°C)	Connection type	Connection dimension	Output signal	Communication	Accuracy	Accessories	Fits with article	Keyword	Workshop order
		DN25, Q3=6, 3, Length 260mm, Integrated M-Bus				Hot water																

Art. No.	7
RSK	
Description	Hot water meter; vertical falling
Energy	
Product category	
Montage	
Media	Hot water
Material	
Dimensions (mm)	
DN	DN40,
Flow (l/min)	Q3=16,
PN	
Pressure (bar)	Length 300mm,
Temperature (°C)	
Connection type	Integrated
Connection dimension	M-Bus,
Output signal	
Communication	
Accuracy	
Accessories	
Fits with article	
Keyword	
Workshop order	

Art. No.	RSK	Description	Energy	Product category	Montage	Media	Material	Dimensions (mm)	DN	Flow (l/min)	PN	Pressure (bar)	Temperature (°C)	Connection type	Connection dimension	Output signal	Communication	Accuracy	Accessories	Fits with article	Keyword	Workshop order
		DN20, Q3 = 4, Length 190mm, Integrated M-Bus, Hot																		Hot water meter; vertical rising		

Art. No.	7
RSK	
Description	DN20, Q3=6,3, Length 260mm, Integrated M-Bus
Energy	Hot water meters; vertical rising
Product category	
Montage	
Media	
Material	
Dimensions (mm)	
DN	
Flow (l/min)	
PN	
Pressure (bar)	
Temperature (°C)	
Connection type	
Connection dimension	
Output signal	
Communication	
Accuracy	
Accessories	
Fits with article	
Keyword	
Workshop order	

Art. No.	RSK	Description	Energy	Product category	Montage	Media	Material	Dimensions (mm)	DN	Flow (l/min)	PN	Pressure (bar)	Temperature (°C)	Connection type	Connection dimension	Output signal	Communication	Accuracy	Accessories	Fits with article	Keyword	Workshop order
7		Hot water meter; vertical rising DN40, Q3 = 10, Length 300mm, Integrated M-Bus,																					

Warm water meter

Warm water meter AT 7029A

Dimension range	PN	Temperature range	Material
DN 20-40	16	max +90°C	Brass

Range of application

Measures hot water with registration of consumed amount. The meter is a multi-jet residential meter with a m-bus interface and has accuracy classification R80.

Program text

AT 7029A

UGE.35 Flow meter, pipe mounted with a digital display, accumulated value multi-jet residential water meter, AT 7029A with M-Bus interface EN 13757-2. Q3 .... m^3/h, DN ...., threaded, PN 16.

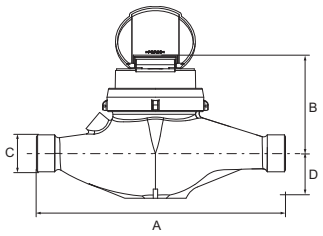
Quality assurance

MID-approved. OIML R49 (MI-001). CE-marked. METAS-cert No. 1259

Details

1	Body	Brass
2	Sealing material	EPDM
3	Vane	Polyether sulfone
4	Storage	Carbide/sapphire

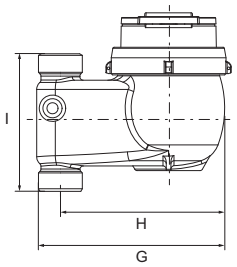
Dimensions and weight



Threaded Connection			
Connection DN	**20**	**25**	**40**
Q_3	**4**	**10**	**16**
A	190	260	300
B	125	128	129
C (Connection meter)	1"	$1^{1/4}$"	2"
D	40	44	46
Weight	2,1	2,6	5,4

Dimensions in mm, weight in kg.

Dimensions and weight standpipe and downcomer



Threaded Connection, standpipe or downcomer			
Connection DN	**20**	**25**	**40**
Q_3	**4**	**10**	**16**
I	105	150	200
G	148	169	226
H	130	143	190
Weight			
Standpipe	1,9	3,0	6,0
Downcomer	2,0	3,4	7,3

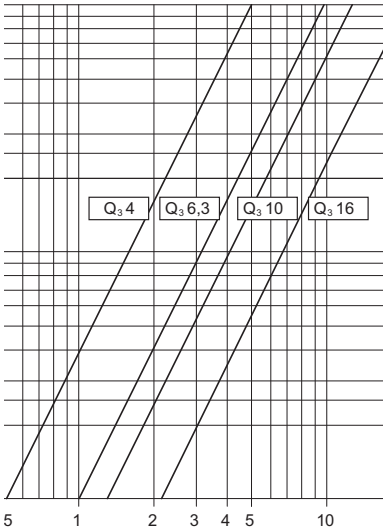
Measurements in mm, weight in kg.

Function and design

The flow sensor is a multi-jet residential meter. The vane is the only moving part in the media.
The calculator is according to GWF-codes and the calculator has a minimum rating of 1 liter with accuracy class R80.

7029A has built-in M-Bus modul(EN 13757-2) and M-Bus(EN 13757-3. The housing is protected from corrosion and mechanical wear. The display is equipped with an indicator pulley for optical readout in the test bench. The connection cable has a length of 1.5m.

Tryckförlust

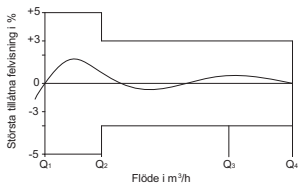


Technical information

Ansl. DN	20	25	40
Nominal flow Q_3, m³/h	4	10	16
Overload flow, Q_4, m³/h	5	12,5	20
Flow limit, Q_2, liter/h	80	200	320
Minimum flow, Q_1, liter/h	50	125	200
Minimum rating, liter	1	1	1
Numeric wheel	8	8	8

Maximum allowed error

Maximum allowed error		
Flow range:	Q1-Q2	+-5%
	Q2-Q4	+-3%



Technical interface	
SCR(IEC)	Protocol acc. IEC 62056-21 Mode A (IEC 1107)
M-Bus EN 13757	Wired M-Bus (OMS)

Sizing

The minimum meter that meets the specified continuous flow should be chosen. Do not oversize, in case of borderline select the smaller meter. However, make sure that the pressure drop does not get too high. Short term overload refers to less than 1 hour per day or at most 100 hours over its in-use life.

Accessories and options
AT7029AG ??with a threaded connection for mounting in a console in standard length. The meter with threaded connections are also in standpipe and downcomer (GS and GF item number, see order key).

Installing
The flow sensor must be mounted with the digit plate upwards. In standard version the meter should be mounted in a horizontal pipeline. Standpipe and downcomer design (Supplement S and F) shall be mounted in a vertical pipeline. Pay attention to the flow direction, an arrow on the meter body indicates the direction.

Maintenance and spare parts
Control and auditing should be performed by a meter workshop that is accredited as an inspection unit.

Marking
The meter is red with a red plastic lid. The meter is marked with make, Q_3-value for resp. size and with the maximum temperature. The manufacturing number is indicated by 8 digits.

How to order

Example: AT 7029AG25-10M				
AT 7029A	**G**	**25**	**-10**	**M**
Fig.no.	Performance G=Threaded (standard) GS=Threaded Rising pipe *) GF=Threaded falling pipe *)	DN 20 25 40 25	Q_3 4* 10 16* 6,3*	Built-in M-Bus output
RSK-No. see RSK-register.				

Description	Keywords	At-nr.	RSK	Product	DN min	DN max	Tempmax	PN min	PN max	Material	Connections	Media
Hot water meter with M-Bus, multi-jet residential meter. Threaded connection, PN 16. The meter is also available for vertical mounting(standpipe and downcomer).	Hot water, M-Bus			Hot water meter	20	40	90 °C	PN 16	PN 16	Brass	Thread	Hot water