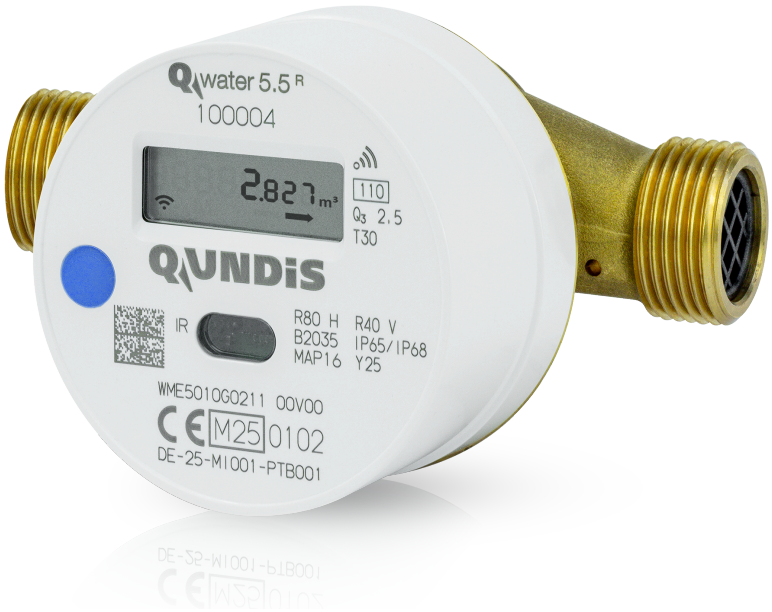
Data sheet

LD5QUWAGB0 55RVZ01-A / 28.04.2026 /



Q water 5.5 R

Electronic water meter for screw connection

- metal flow sensor with nominal flow Q_3 2,5 m^3/h and 4,0 m^3/h
- available in the installation lengths 80 mm, 110 mm and 130 mm
- integrated radio technology for integration into a Q walk-by or Q AMR system
- integrated IR interface for simple parameter setting or readout
- optimised display and display loop for simplified commissioning
- integrated leak detection for safe operation
- simple mounting for almost any installation situation

Application

The electronic water meter is used to measure water quantities. The main areas of application are water supply systems in which water is supplied individually to several consumers.

Such systems are used in e.g.:

- apartment buildings
- offices and administration buildings

Typical users are:

- private building owners
- housing industry and housing associations
- building service companies and property management

Features

- greater resistance to limescale and dirt
- measuring water consumption
- accumulating the consumption values
- saving the accumulated consumption values on the due date
- display of consumption values
- display of the most important operating data
- self-monitoring with error display data transmission via radio
- data transmission by radio
- detection of leaks and stagnation
- calculator unit rotatable through 360 degrees
- parameter setting and readout via optical interface (IR-compatible)
- radio data transmission by sending Q AMR- and Q walk-by telegrams in C-mode as standard
- optional available only with Q AMR telegrams
- for secure data transmission optionally with AES encryption mode 5 and mode 7 available
- simplified mounting thanks to additional holes for sealing

Technical data

Ambient conditions	
Protection rating	IP65, IP68[1] according to EN 60529
Protection class	III according to EN 61140
Transport	-25 °C ... 70 °C, < 95 % r.h. (without condensation)
Storage	-5 °C ... 45 °C, < 95 % r.h. (without condensation)
Usage	5 °C ... 55 °C, < 95 % r.h. (without condensation)

Influencing quantities	
electromagnetic class	E1
mechanical class	M1

Radio technology	
Radio mode	C-Mode (Q AMR, Q walk-by)
Radio frequency	EN 300 220-2 C-Mode (868.95 +/- 0.25) MHz
Transmission power	typical 10 dBm, maximum 14 dBm
Encryption[2]	Security Mode 5 and 7 according to EN 13757-7, Security Profile A and B according to OMS specification
Data transmission	EN 13757-4
Duty Cycle	< 1 % (50ms/128 s)

Power supply	
Lithium battery	Nominal voltage 3.0 V
Battery life	10 years operation + 1 year reserve + 1 year storage

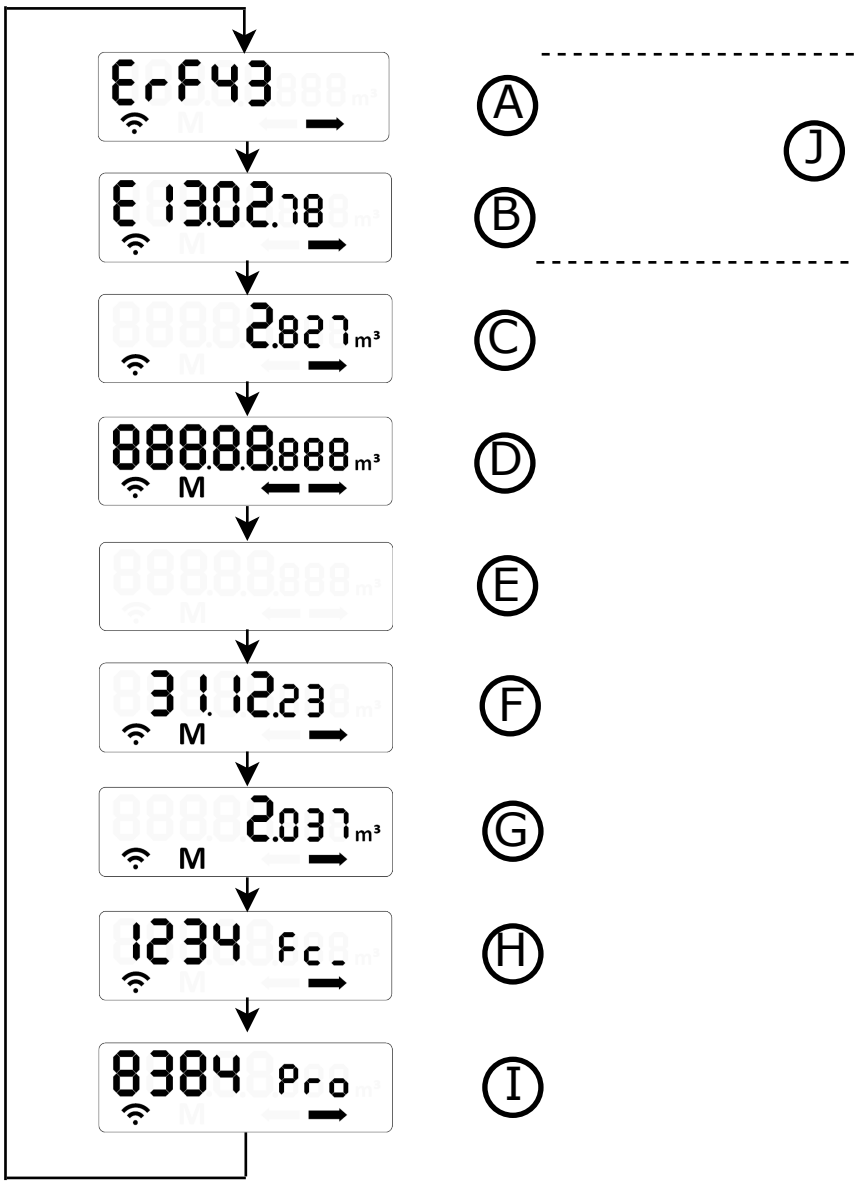
Flow sensor	
Max. permissible operating pressure (MAP)	16 bar (1.6 MPa)
Inflow and outflow zone	not required (U0/D0)

Type overview	WME5 xxxx 0	WME5 xxxx 1	WME5 xxxx 2
Overall length	80 mm	110 mm	130 mm
Meter size/Nominal flow Q_3	2.5 m³/h		4.0 m³/h
Corresponds to previous nominal size Q_n	1.5 m³/h		2.5 m³/h
Connection thread	G 3/4"		G 1"
Overload flow rate Q_4	3.125 m³/h		5,000 m³/h
Transitional flowrate Q_2 (H/V)	50/100 l/h		80/160 l/h
Minimum flow rate Q_1 (H/V)	31.25/62.5 l/h		50/100 l/h
Dynamic range Q_3/Q_1 (H/V)[3]	R80/R40		
Nominal flow	2,500 l/h		4,000 l/h
Temperature class MAT	Cold water T30, Hot water T30/T90		
Pressure loss class according to ISO 4064	Δp 63		

1 tested according to manufacturer specifications
2 Encryption optional
3 further dynamic ranges on request

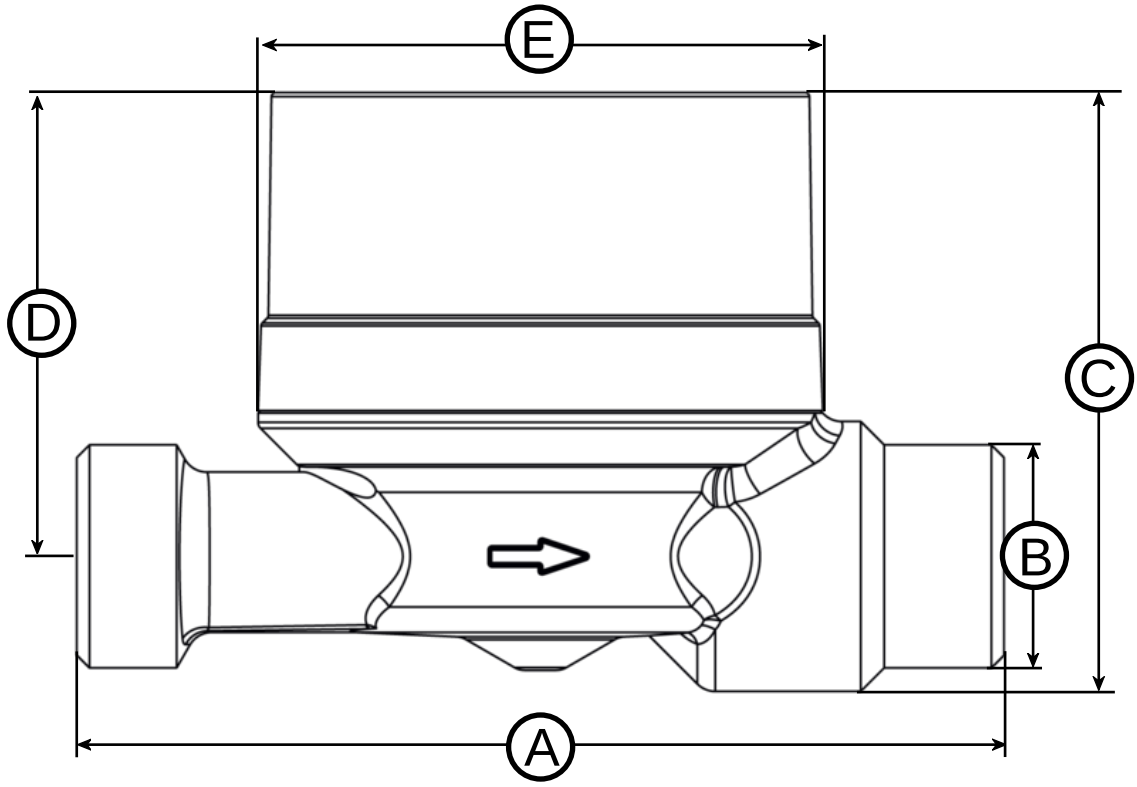
Displays in normal operation

Device statuses and consumption values are shown on the LC display in a display loop.



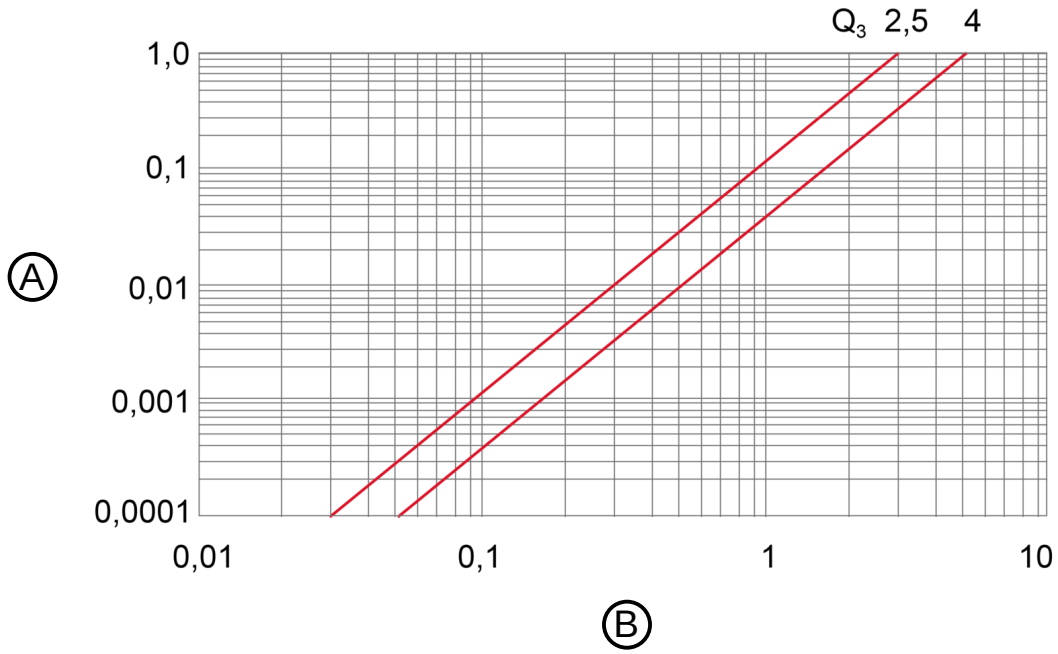
(A) error code (2 sec)
(B) error date (2 sec)
(C) cumulative volume (10 sec)
(D) display test: Display on (1 sec)
(E) display test: Display off (1 sec)
(F) last due date (4 sec)
(G) consumption until due date (4 sec)
(H) network number, Radio mode, Encryption (2 sec)
(I) version number
(J) displayed only in the event of an error

Dimensional drawings



	2.5 m³/h	2.5 m³/h	4.0 m³/h
A	80 mm	110 mm	130 mm
B	G $^{3}/_{4}$ A	G $^{3}/_{4}$ A	G 1 A
C	69 mm	71 mm	73.4 mm
D	55 mm	55 mm	56.8 mm
E	67 mm	67 mm	67 mm

Pressure loss curve



(A) Pressure loss in bar

(B) Flow rate in m^3/h

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The information in this data sheet only contains general descriptions or product characteristics, which may not always apply in particular application cases and/or may be subject to change through further development of the product. Required product characteristics are then binding if they are expressly agreed when the contract is drawn up.
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Data sheet

LD5QUWAGB0 55RMK01-B / 05.02.2026 /



Q water 5.5 R

Electronic water meter with measuring capsule

- measuring capsule variant with nominal flow Q_3 2,5 m^3/h
- available for many connection interfaces from different manufacturers
- integrated radio technology for integration into a Q walk-by or Q AMR system
- integrated IR interface for simple parameter setting or readout
- optimised display and display loop for simplified commissioning
- integrated leak detection for safe operation

Application

The electronic water meter is used to measure water quantities. The main areas of application are water supply systems in which water is supplied individually to several consumers.

Such systems are used in e.g.:

- apartment buildings
- offices and administration buildings

Typical users are:

- private building owners
- housing industry and housing associations
- building service companies and property management

Features

- high compatibility with existing chrome trims
- greater resistance to limescale and dirt
- measuring water consumption
- accumulating the consumption values
- saving the accumulated consumption values on the due date
- display of consumption values
- display of the most important operating data
- self-monitoring with error display data transmission via radio
- data transmission by radio
- detection of leaks and stagnation
- calculator unit rotatable through 360 degrees
- parameter setting and readout via optical interface (IR-compatible)
- radio data transmission by sending Q AMR- and Q walk-by telegrams in C-mode as standard
- optional available only with Q AMR telegrams
- for secure data transmission optionally with AES encryption mode 5 and mode 7 available

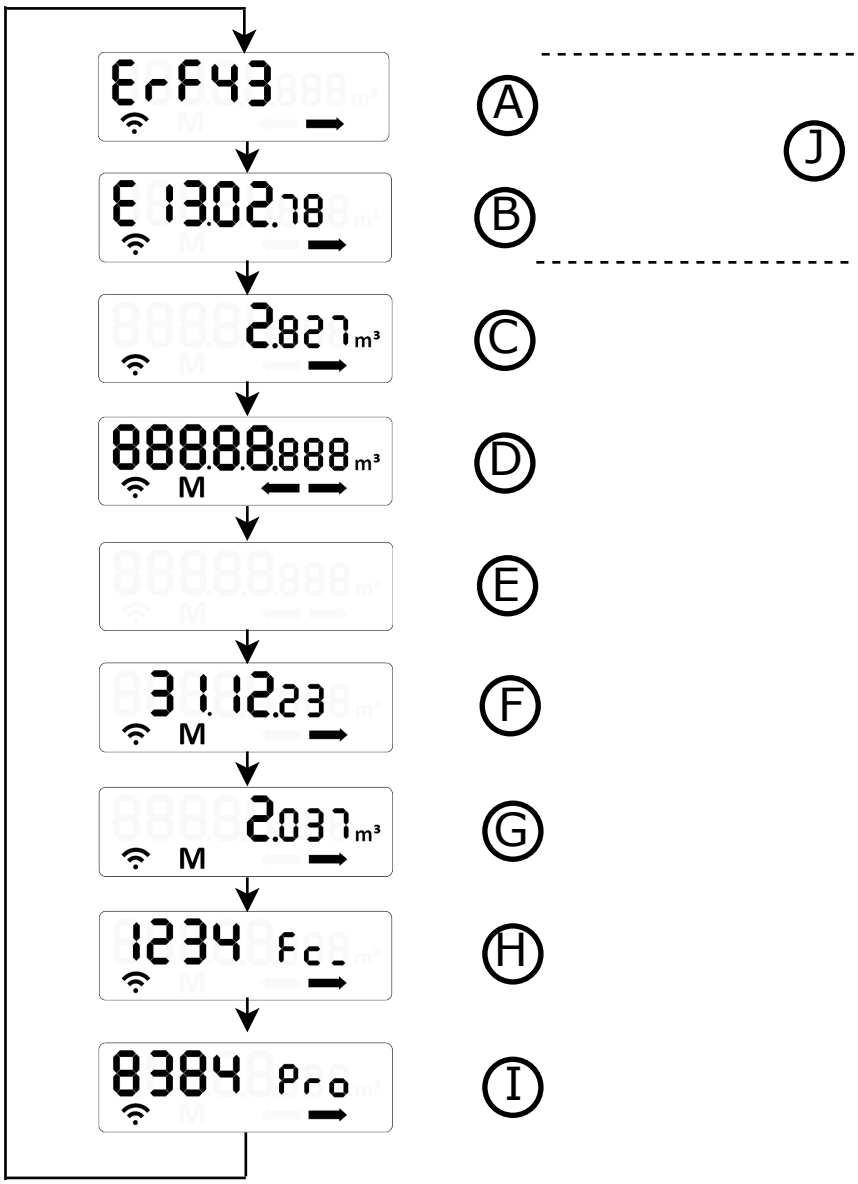
Technical data

Ambient conditions					
Protection rating	IP65, IP68[1] according to EN 60529				
Protection class	III according to EN 61140				
Transport	-25 °C ... 70 °C, < 95 % r.F. (without condensation)				
Storage	-5 °C ... 45 °C, < 95 % r.F. (without condensation)				
Usage	5 °C ... 55 °C, < 95 % r.F. (without condensation)				
Influencing quantities					
Electromagnetic class	E1				
Mechanical class	M1				
Radio technology					
Radio mode	C-Mode (Q AMR, Q walk-by)				
Radio frequency	EN 300 220-2 C-Mode (868.95 +/- 0.25) MHz				
Transmission power	typical 10 dBm, maximum 14 dBm				
Encryption[2]	Security Mode 5 and 7 according to EN 13757-7, Security Profile A and B according to OMS specification				
Data transmission	EN 13757-4				
Duty Cycle	< 1 % (50ms/128 s)				
Power supply					
Lithium battery	Nominal voltage 3.0 V				
Battery life	10 years operation + 1 year reserve + 1 year storage				
Flow sensor					
Max. permissible operating pressure (MAP)	16 bar (1.6 MPa)				
Inflow and outflow zone	not required (U0/D0)				
Type overview WME5 xxxx ...	**... 4**	**... 6**	**... 8**	**... A**	**...C**
suitable for connection interface	IST	A34	TE1	MOC	MET
Meter size/Nominal flow Q_3 Q_3			2.5 m³/h		
Corresponds to previous nominal size Q_n			1.5 m³/h		
Connection thread	G2"	M77 x 1,5	M62 x 2	M65 x 2	M64 x 2
Overload flow rate Q_4			3.125 m³/h		
Transition flow rate Q_2 (H/V)			50 / 100 l/h		
Minimum flow rate Q_1 (H/V)			31.25 / 62.5 l/h		
Measuring range Q_3/Q_1 (H/V)			R80 / R40		
Nominal flow Q_3			2,500 l/h		
Temperature class MAT			Cold water T30, Hot water T30 / T90		
permissible operating pressure MAP			16 bar		
Pressure loss class according to ISO 4064	Δp 40	Δp 40	Δp 63	Δp 63	Δp 63
Inflow and outflow zone			U0 / D0		

[1] tested according to manufacturer specifications
[2] Encryption optional

Displays in normal operation

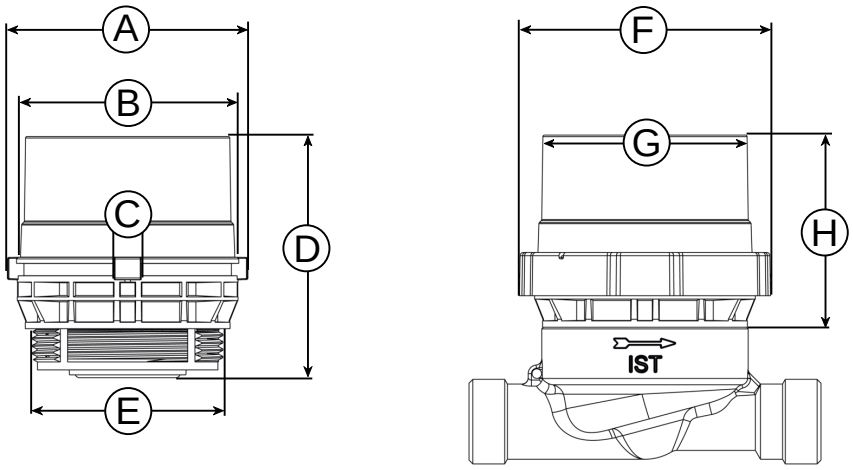
Device statuses and consumption values are shown on the LC display in a display loop.



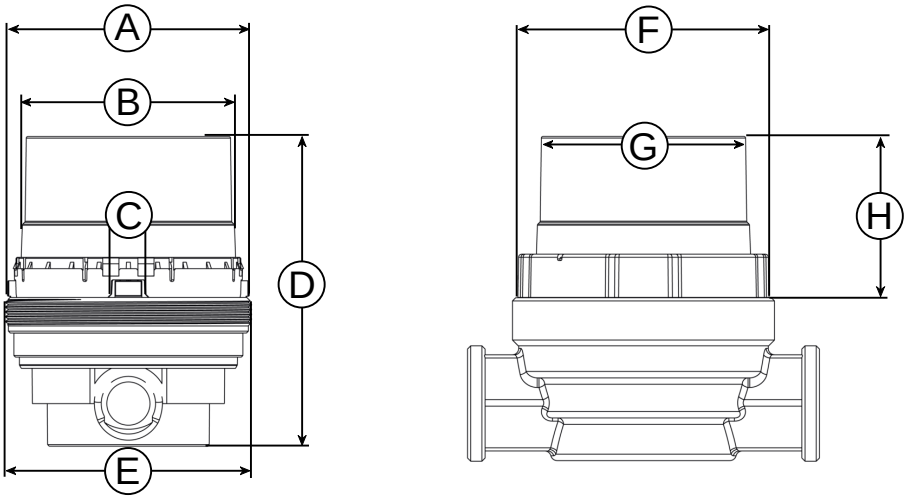
(A) error code (2 sec)
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(E) display test: Display off (1 sec)
(F) last due date (4 sec)
(G) consumption until due date (4 sec)
(H) network number, Radio mode, Encryption (2 sec)
(I) version number
(J) displayed only in the event of an error

Dimensional drawings

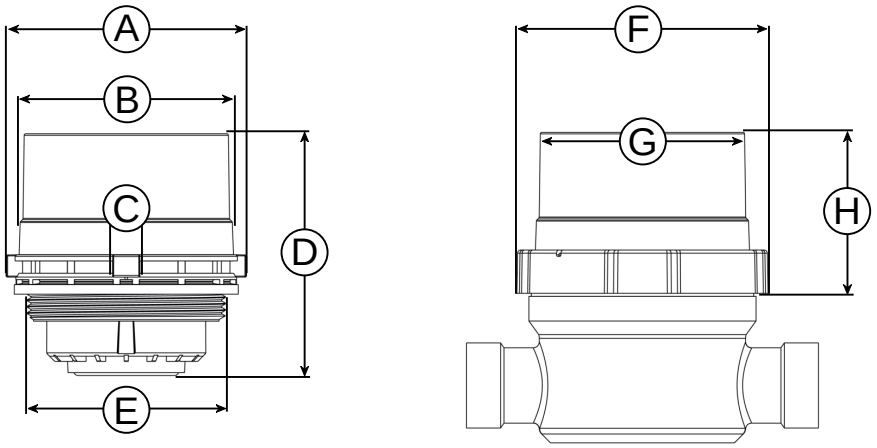
Type IST



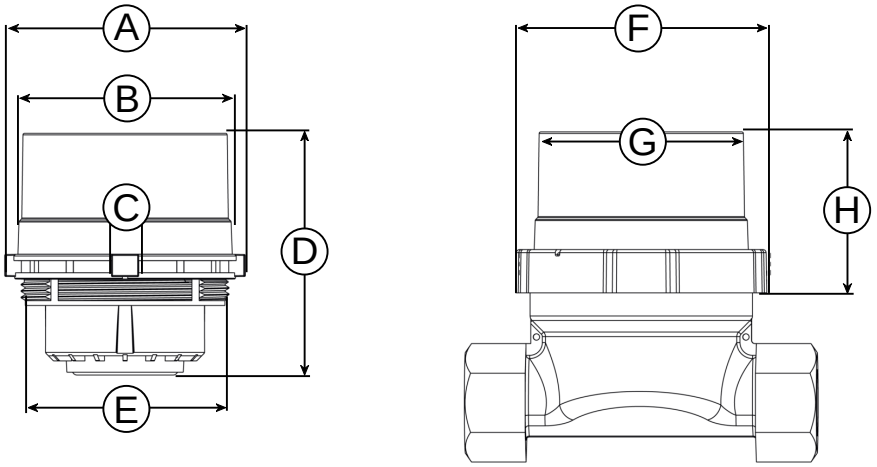
Type A34



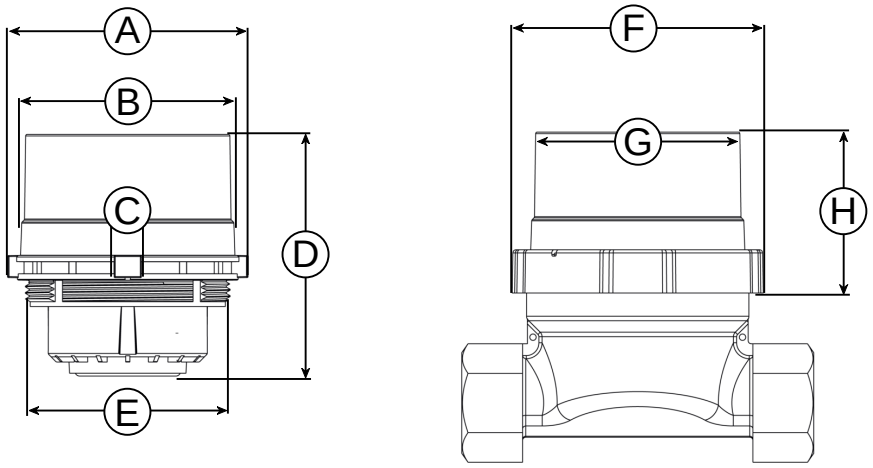
Type TE1



Type MOC



Type MET

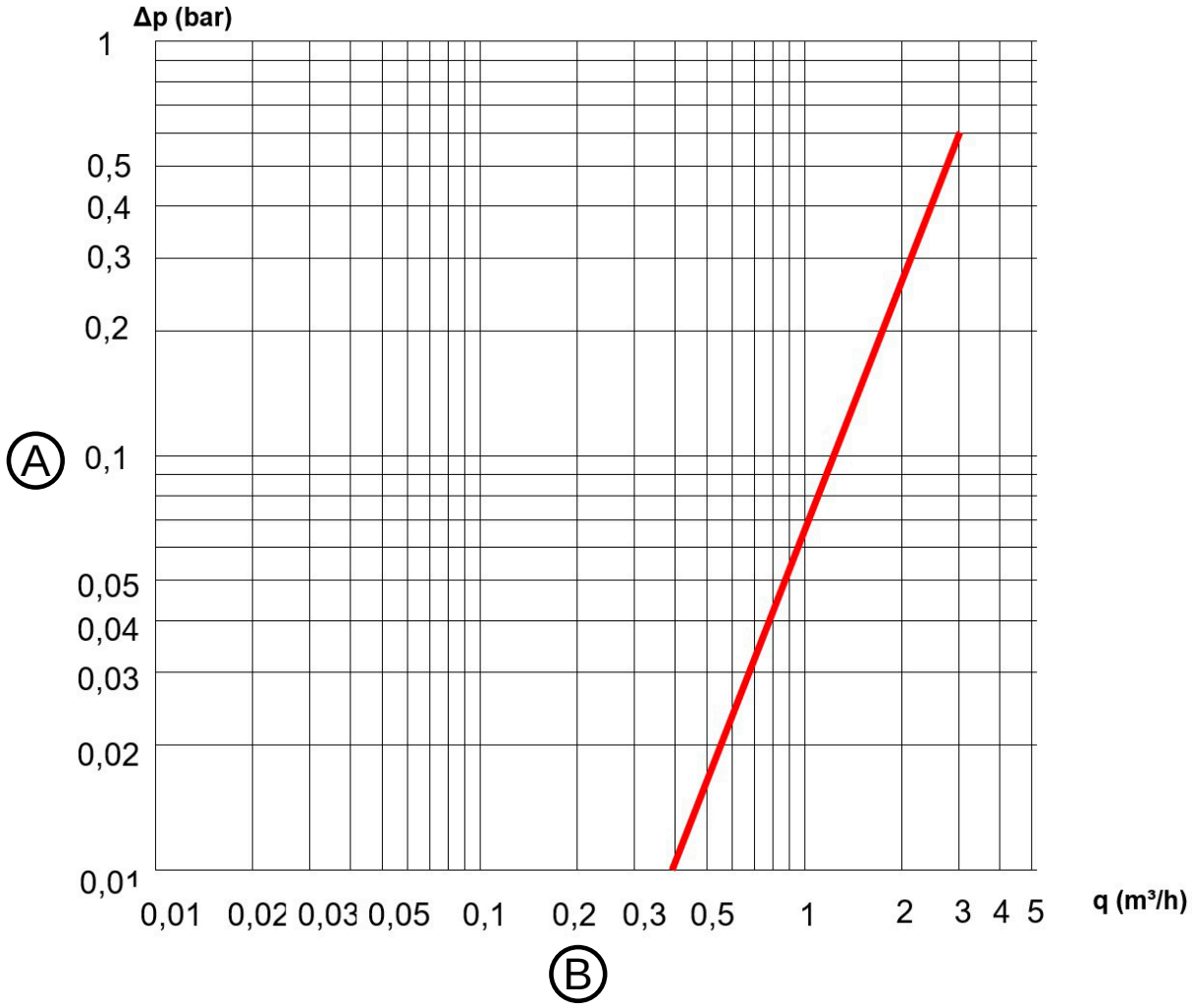


All dimensions in mm

	IST	A34	TE1	MOC	MET
A	Ø 75.2	Ø 75.6	Ø 75.2	Ø 75.2	Ø 75.2
B	Ø 67	Ø 67	Ø 67	Ø 67	Ø 67
C	8.4	8.4	8.4	8.4	8.4
D	75.4	96.6	75.4	75.4	75.4
E	G 2	M77x1.5	M62x2	M65x2	M64x2
F	78.5	78.5	78.5	78.5	78.5
G	Ø 64.6	Ø 64.6	Ø 64.6	Ø 64.6	Ø 64.6
H	60.1	50.3	50.2	50.2	50.2

Pressure loss curves

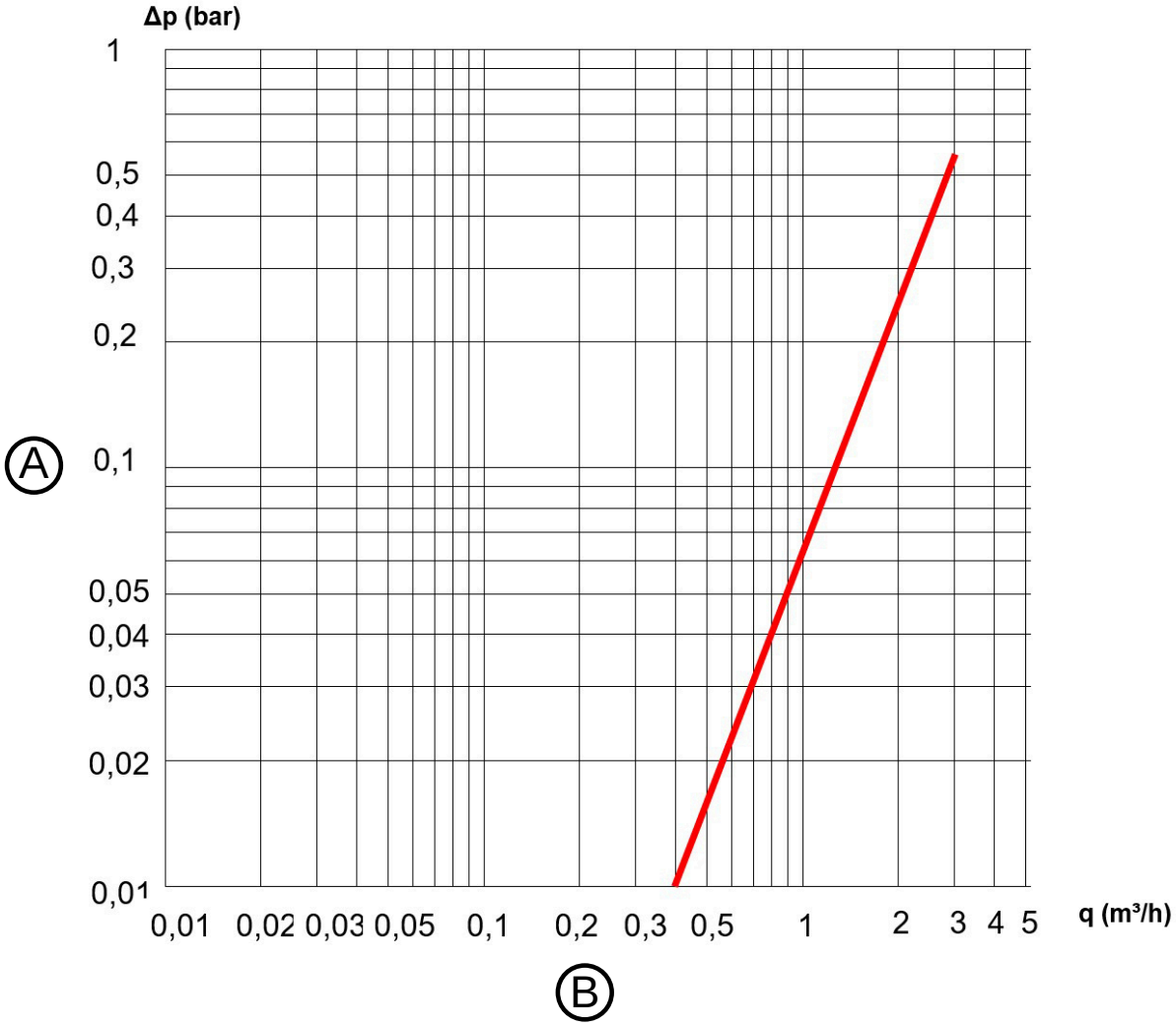
Type IST



(A) Pressure loss in bar

(B) Flow rate in m^3/h

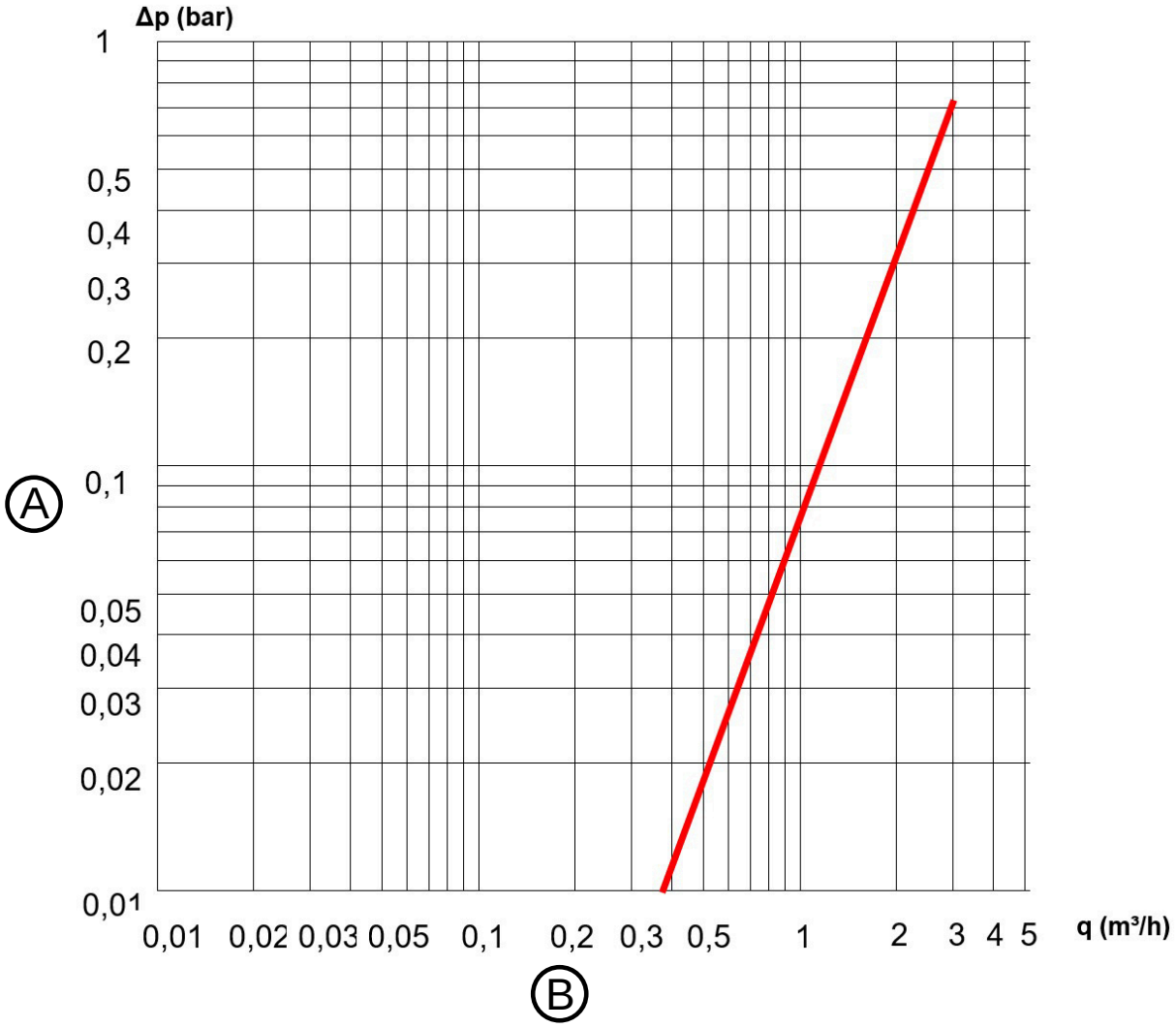
Type A34



(A) Pressure loss in bar

(B) Flow rate in m³/h

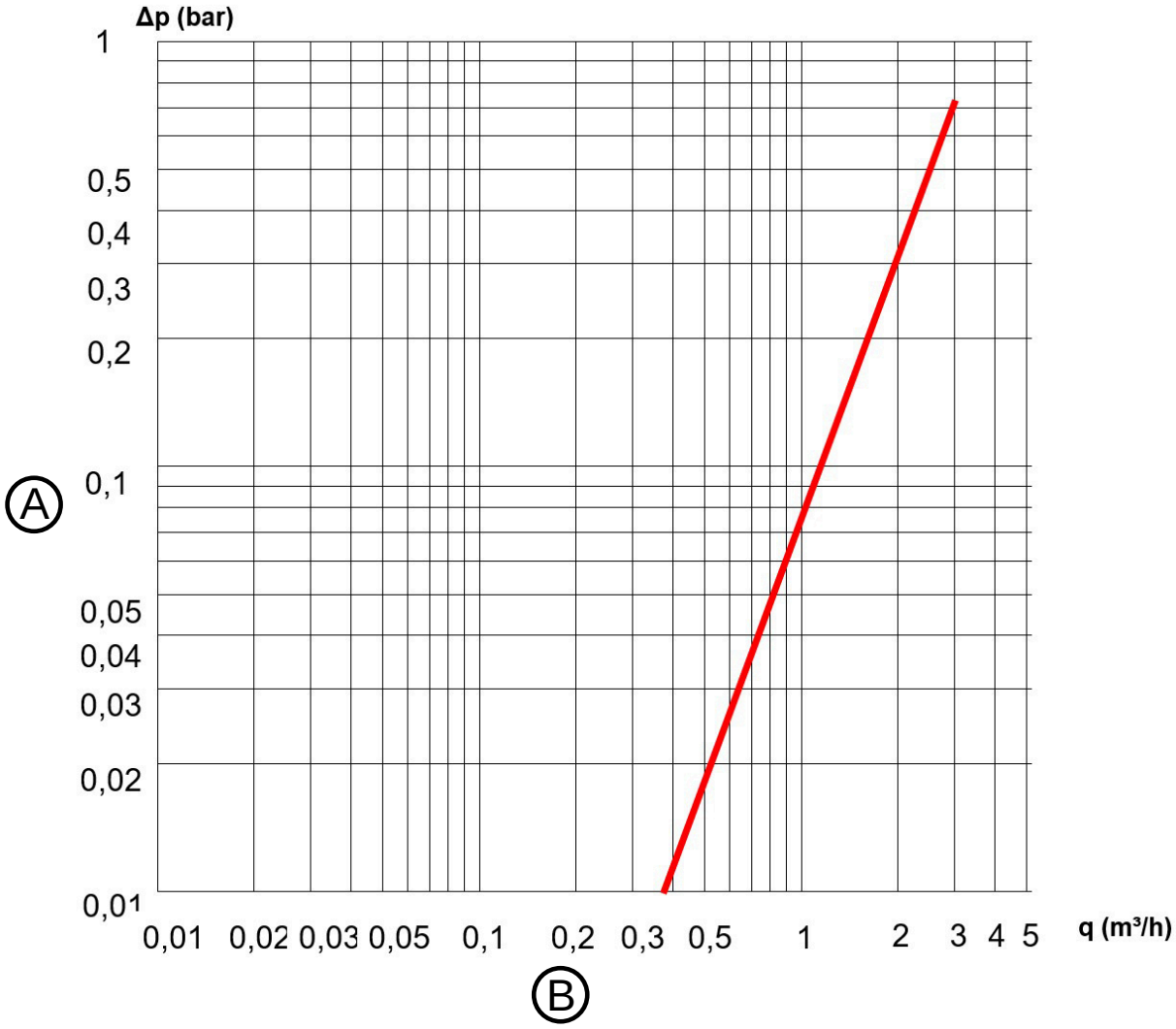
Type TE1



(A) Pressure loss in bar

(B) Flow rate in m³/h

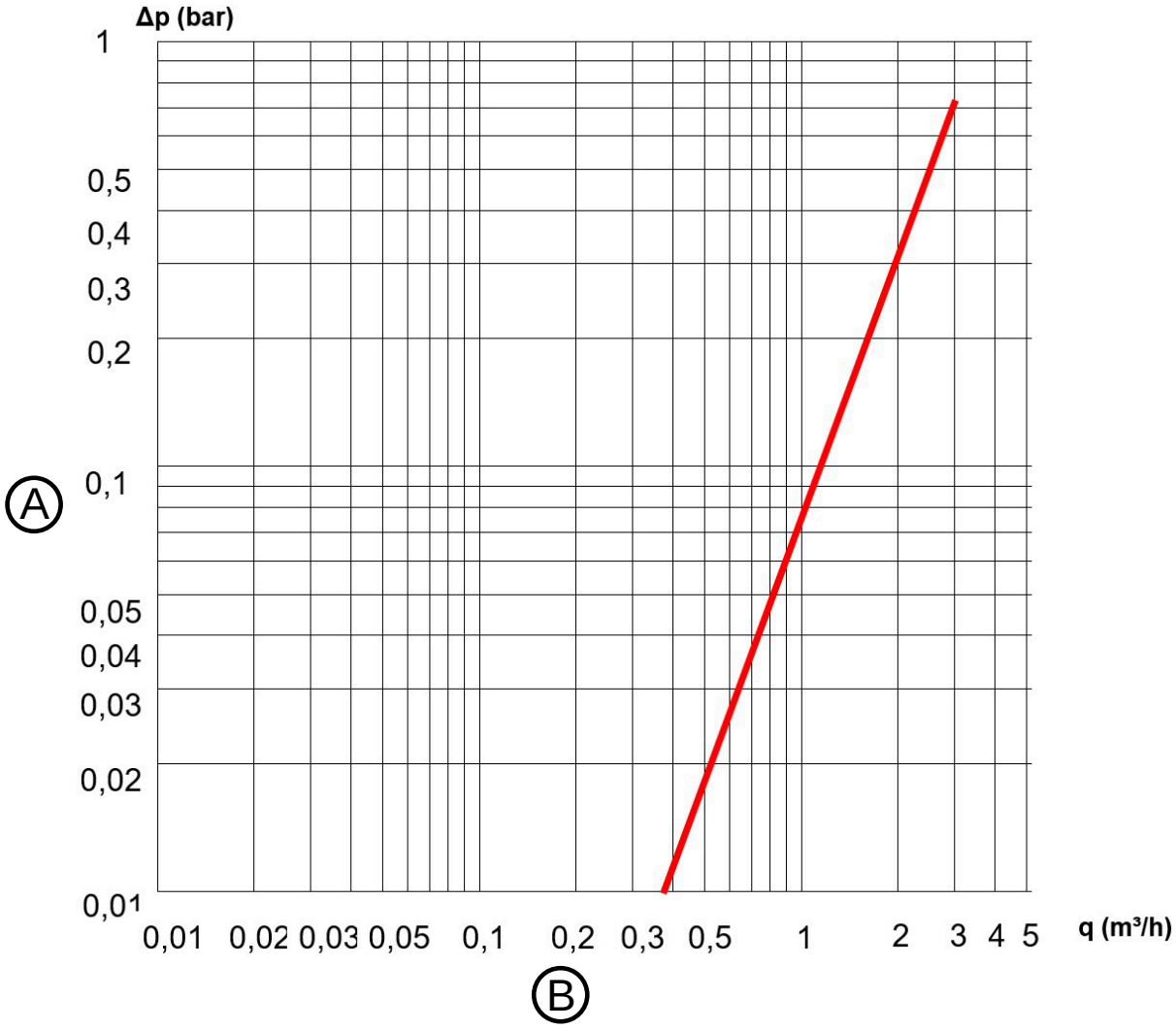
Type MOC



(A) Pressure loss in bar

(B) Flow rate in m³/h

Type MET



(A) Pressure loss in bar

(B) Flow rate in m³/h

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