



K20

Technical Datasheet

Variable area flowmeter

- Robustly built for many uses
- Local display without auxiliary power
- Exchangeable built-in components

K20 variable area flowmeter

The K20 flowmeter is suitable for measuring the volume or mass flow rate of liquids.



Highlights

- Low-maintenance
- Optionally with limit switch
- Simple installation and start-up

Industries

Flowmeter can be used universally in all industries, for example:

- Chemical
- Mechanical engineering
- Paper & pulp
- Water

Applications

- Compressor monitoring
- Water circuits

Technical Data

Field of application	Flow measurement of liquids
Operating method / measuring principle	Float measuring principle
Primary measured value	Float position
Measuring accuracy	2.5% acc. to VDI / VDE Directive 3513 sheet 2 ($q_G = 50\%$)
Inlet condition, inlet run	$\geq 5 \times DN$
Outlet condition, outlet run	$\geq 3 \times DN$
Operating pressure PS	Directive 97/23/ EC
Test pressure PT	Pressure Equipment Directive 97/23/EC or AD 2000-HP30
Max. permitted operating pressure PS	2...12 bar

Process connection

Threaded connection standard	G 1/2" ... G 2"
	Bonded socket joints

Materials

Measuring tube	Polysulphone (PSU)
Float	PVC
	Stainless steel 316 L
Stop	Polysulphone (PSU)
Connection	Polysulphone (PSU)
Gasket	EPDM

Weights

	approx. [g]
DN15	140
DN25	360
DN50	1100

Dimensions

	[mm]
Height	376
Mounting dimension of measuring tube	300

Temperatures

	[°C]
Max. product temperature TS	+140
Min. product temperature TS	-10
Max. ambient temperature Tamb.	+60
Min. ambient temperature Tamb.	-10

Measuring ranges, water

Flow rate nominal size		Nominal size of connection		[l/h]
DIN	ASME	G or Bonded socket joints	Cone	
DN15	1/2"	1/2"	20.15.1.F	5...60
			20.15.2.F	11...110
DN25	1"	1"	20.25.1.F	65...650
			20.25.2.F	100...1000
DN50	2"	2"	20.25.4.F	250...2500
			20.50.2.F	650...6500
			20.50.4.F	4000...16000
			20.50.6.F	8000...25000

KROHNE measuring technology - Product overview

- Electromagnetic flowmeters
- Variable area flowmeters
- Mass flowmeters
- Ultrasonic flowmeters
- Vortex flowmeters
- Flow controllers
- Level measuring instruments
- Temperature measuring instruments
- Pressure measuring instruments
- Analysis
- Oil and gas industry

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