

Positive displacement flowmeter



- Flow rate, 2 totalized volumes shown on display
- Automatic calibration: Teach-In
- Simulation: all output signals provided without the need for real flow

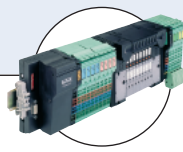
Type 8075T can be combined with...



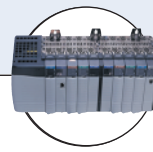
Type 2100 (8692)
Control valve with
TopControl



Type 8792
Continuous
SideControl



Type 8644-P AirLINE
Valve island with
electronic I/O



PLC

This positive displacement flowmeter with display is designed for use in slightly viscous fluid like glue, honey or oil and specially to switch a valve and to establish a monitoring system or an On/Off control loop.

The flowmeter is made of a compact sensor fitting (S070) and an electronic module (SE35) quickly and easily connected together by a Quarter-Turn.

General data	
Compatibility	With sensor fittings S070 (see corresponding data sheet)
Materials	PC Polyester / Stainless steel PA
Housing, cover, lid, nut	PC
Front panel foil / Screws	Polyester / Stainless steel
Cable glands	PA
Wetted parts materials	
Sensor fitting	Aluminium, stainless steel (316F/1.4401)
Rotor	PPS, Aluminium, stainless steel (316F/1.4401)
Shaft / Seal	Stainless steel / FKM or FEP/PTFE
Display	15x60 mm, 8-digit LCD, alphanumeric, 15 segments, 9 mm high
Electrical connections	Cable glands M20x1.5
Voltage supply cable	max. 50 m, shielded, 1.5 mm ² max. cross-section
Complete device data (sensor fitting + electronic module)	
Pipe diameter	DN15 to DN100
Measuring range	2 to 1200 l/min (0.26 to 320 gpm) for viscosity > 5 mPa.s 3 to 616 l/min (0.78 to 320 gpm) for viscosity < 5 mPa.s
Medium temperature	
Aluminium body	0 to 80°C (32°F to 176°F)
Stainless steel body	0 to 100°C (32°F to 212°F)
Medium pressure max.	
DN15	55 bar (798 PSI) (threaded process connection)
DN25	55 bar (798 PSI) ¹⁾
DN40, DN50 / DN80 / DN100	18 bar (261 PSI) / 12 bar (174 PSI) / 10 bar (145 PSI)
Viscosity	1 Pa.s max. (higher on request)
Accuracy	± 0.5% of Reading
Programming mode	Threshold, window or hysteresis
Repeatability	≤ 0.03% of Reading

¹⁾ or in accordance to the value of the used flanges

8075 Transmitter INLINE

Electrical data	
Operating voltage	115/230 V AC 50/60 Hz (see technical specifications 115/230 V AC)
Current consumption with sensor (without consumption of pulse output)	≤ 25 mA
Output	
Signal current	4... 20 mA (2-wire) max. loop impedance : 800 Ω
Pulse	Polarized, potential free, 5... 36 V DC; 100 mA, protected, line drop at 100 mA: 2.5 V DC
Technical specifications 115/230 V AC	
Voltage supply available inside the device	27 V DC regulated - max. current: 125 mA integrated protection: fuse 125 mA temporised power: 3 VA
Environment	
Height above the sea	max. 2000 m
Ambient temperature	0 to + 60°C (32°F to 140°F) (operating and storage)
Relative humidity	≤ 80%, without condensation
Standards, directives and approvals	
Protection class	IP65 with cable or screws plug mounted and tightened
Standard and directives CE	
EMC	EN 61000-6-3, EN 61000-6-2
Pressure (Sensor fitting S070, DN15 to DN100, in aluminium or stainless steel)	Complying with article 3 of chap. 3 from 97/23/CE directive.* (without CE mark)
Security	EN 61010-1
Vibration	EN 60068-2-6
Shock	EN 60068-2-27

* For the 97/23/CE pressure directive, the device can only be used under following conditions (dependent on max. pressure, pipe diameter and fluid).

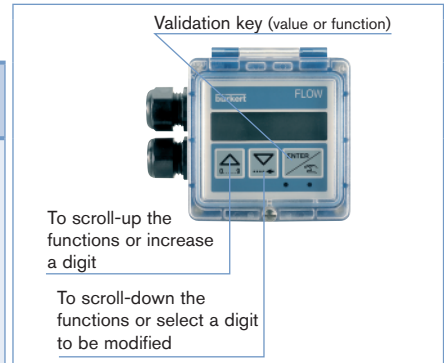
Type of fluid	Conditions
Fluid group 1, §1.3.a	Forbidden
Fluid group 2, §1.3.a	DN ≤ 32, or DN > 32 and PN*DN ≤ 1000
Fluid group 1, §1.3.b	PN*DN ≤ 2000
Fluid group 2, §1.3.b	DN ≤ 200

Operation and display

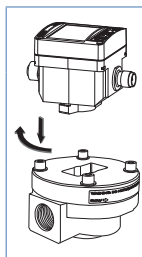
The device can be calibrated by means of the K-factor, or via the Teach-In function. User adjustments such as measuring range, engineering units, pulse output and filter are carried out on site.

The operation is specified according to three levels:

Indication in operating mode/display	Parameter definition	Test
<ul style="list-style-type: none"> - flow rate - output current - main totalizer - daily totalizer with reset function 	<ul style="list-style-type: none"> - language - engineering units - K-factor / Teach-In function - measuring range 4... 20 mA - pulse output - filter - reset main totalizer 	<ul style="list-style-type: none"> - alteration of basic adjustment (offset, span) - frequency test of sensor - flow simulation



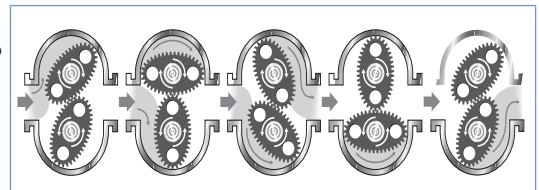
Design and principle of operation



The 8075 flowmeter is built up with an SE35 electronic module associated to a sensor fitting S070 with integrated measurement oval rotor. The connection is made by means of a Quarter-Turn. The output signals are provided via two cable glands.

If liquid flows through the pipe the rotor turns. This rotation produces a measuring signal in the transducer. The frequency is proportional to the flow of the fluid.

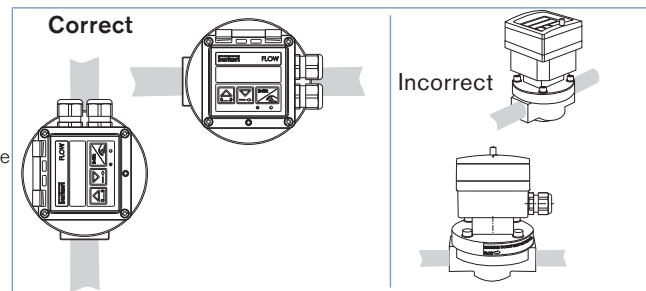
A conversion coefficient (K factor, available in the instruction manual of the sensor fitting S070), specific to each pipe (size and material) enables the conversion of this frequency into a flow rate.



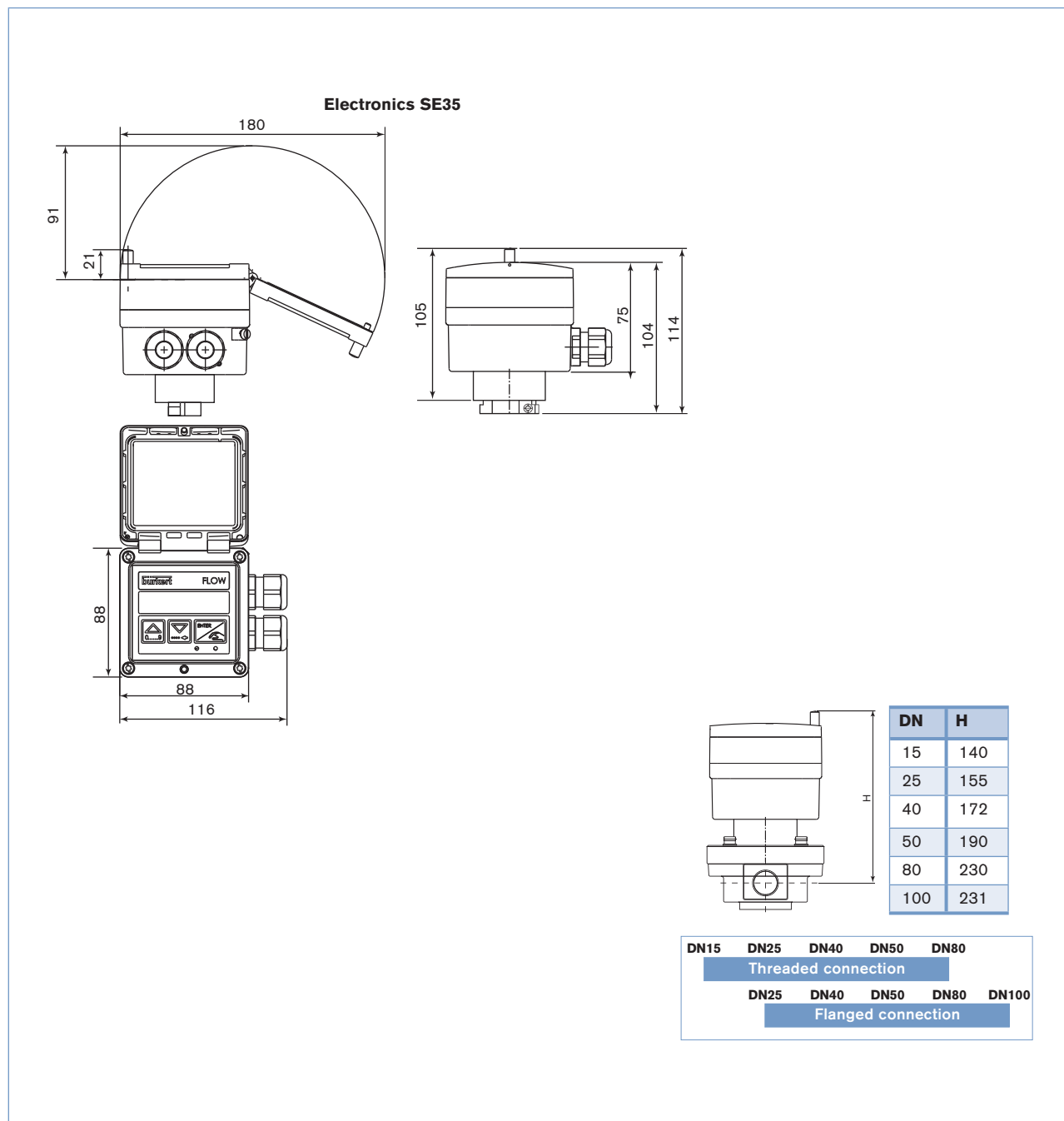
Installation

The sensor fitting can be installed in any orientation as long as **the rotor shafts are always in a horizontal plane** (see figures to the right) and **the flow of the fluid is in the direction of the arrow marked on the body**.

The pipe must be filled with liquid and free from air bubbles. Avoid air purge of the system which would cause damages and to prevent damage from dirt or foreign matter, we strongly recommend the installation of a 250 µm strainer as close as possible to the inlet side of the meter.



Dimensions [mm]



Ordering information for compact flowmeter Type 8075

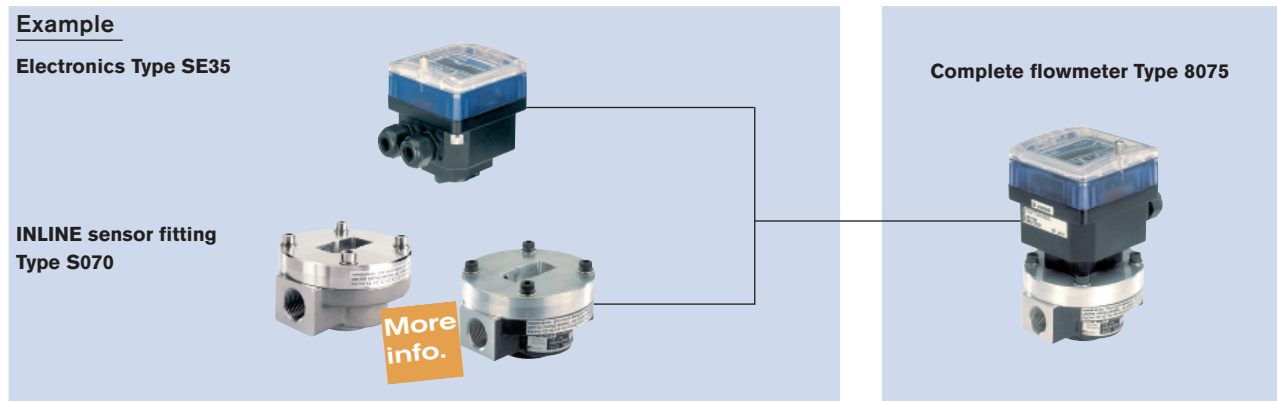
A flowmeter Type 8075 consists of an electronics Type SE35 and a Bürkert INLINE sensor fitting Type S070

The following information is necessary for the selection of a complete device:

- **Item no.** of the desired electronics **Type SE35** (see Ordering chart, below)
- **Item no.** of the selected INLINE sensor fitting **Type S070** (see separate data sheet- has to be ordered separately)

You have to order two components.

When you click on the orange box "More info." below, you will come to our website for the resp. product where you can download the data sheet.



Ordering chart for electronics Type SE35

Specifications	Operating voltage	Output	Sensor version	Electrical connection	Item no.
Standard output signal flowmeter, 2 totalizers	115/230 V AC	4... 20 mA (2-wire)+ pulse	Hall	2 cable glands	423 922

Ordering chart - accessories for flowmeter Type 8075 (has to be ordered separately)

Specifications	Item no.
Set with 2 cable glands M20 x 1.5 + 2 neoprene flat seals for cable gland or plug + 2 screw-plugs M20 x 1.5 + 2 multiway seals 2 x 6 mm	449 755
Set with 2 reductions M20 x 1.5 /NPT1/2" + 2 neoprene flat seals for cable gland or plug + 2 screw-plugs M20 x 1.5	551 782
Set with 1 stopper for unused cable gland M20 x 1.5 + 1 multiway seal 2 x 6 mm for cable gland + 1 black EPDM seal for the sensor + 1 mounting instruction sheet	551 775

To find your nearest Bürkert office, click on the orange box →

In case of special application conditions, please consult for advice.

Subject to alteration.
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SE56 standard
with display,
Housing in
stainless steel

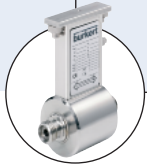


SE56 basic



SE56 blind

Type SE56 must be combined with...



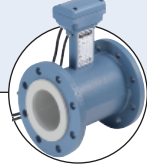
Type S051

Magnetic sensor fitting
- for low flow



Type S054

Magnetic sensor fitting
- Wafer



Type S055

Magnetic sensor fitting
- Flange



Type S056

Magnetic sensor fitting
- Hygienic

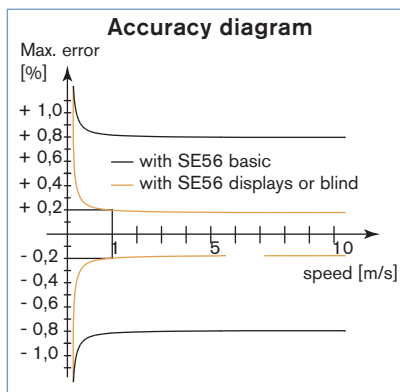
Electronics for electromagnetic flowmeters

- Must be equipped with sensor fitting S051, S054, S055 or S056
- Continuous measurement or batch control
- High accuracy
- Data logger, PROFIBUS DP, HART available

The electronics Type SE56 (blind in compact version or with display in compact or remote version) connected to the magnetic flow sensor fitting Type S051, S054, S055 or S056 is designed for applications with liquids with a minimum conductivity of 5 $\mu\text{S}/\text{cm}$.

The device can be parameterize either with 3 keypads (version with display) or by computer via a serial interface.

As standard, the equipment is supplied with one or two transistor outputs and one digital input. As options, other features are available: such as high frequency output, current output, data logger 2 MB, PROFIBUS DP, HART.



Technical data (electronics SE56 standard with display)



Compatibility	S051, S054, S055, S056 sensor fitting (see separate data sheet 8051, 8054/8055, 8056)
Housing materials	Die casting aluminium or stainless steel 304 electro-polish
Display	Graphic display 8 lines x 16 Characters, 128 x 64 pixels with back light
Keyboard	3 membrane keys
Electrical connection	6 cable glands PG11



Medium temperature, please see separate data sheets of the complete magflowmeter 8051, 8054/8055, 8056

Environment

Ambient temperature Operating and storage	-20 to +60°C (-4 to 140°F)
Relative humidity	≤ 85%, without condensation
Height above sea level	-200 to 6000 m

Standard

Protection	Class I, IP67, category of installation II
Standard	
EMC	EN 61326-1
Emission	EN 55011 (Group1, Class B)
Immunity	IEC 1000-4-2/3/4/5/6/11
Safety	EN 61010

Technical data (electronics SE56 standard with display) - continued

Electrical data	
Power supply	90... 265 V AC - 44 Hz to 66 Hz
Power consumption	max. 25 VA
Cable length	max. 20 m (distance between sensor fitting and electronics)
Input circuit	1 digital, selectable function
Outputs	
Transistor	2 outputs, selectable open collector as pulse/frequency (1250 Hz, 100 mA, 40 V DC) or alarm (adjustable usage)
Current	1 output, 4... 20 mA - RL = 1000 Ω (+ a second output)*
Serial interface*	RS 485, RS232, PROFIBUS DP or HART
Datalogger*	2 MB, 32 values + 64 alarm events
Velocity range	0.4... 10 m/s

* on request.

Electrical data (continued)	
Measurements tolerance	Flow rate (volume) = ±0.05% of reading Out 4/20 mA = ±0.08% of reading Frequency out = ±0.08% of reading
Accuracy ¹⁾	±0.2% of reading (see diagram, on page 1)
Repeatability	±0.1% of reading
Galvanic isolation	All the input/outputs are galvanically isolated from power supply
Data storage	An EEPROM stores the measured values (in case of power failure)
Special functions	Bidirectional measure Dual measurement range Diagnostic function Empty pipe detection Remote configuration (for connection to PC or hand terminal through remote configuration tool kit) Batch function

¹⁾ under reference conditions: water temperature = 20°C, ambient temperature = 25°C, constant flow rate during the test, liquid speed > 1 m/s

Technical data (electronics SE56 blind)



General data	
Compatibility	S051, S054, S055, S056 sensor fitting (see separate data sheet 8051, 8054/8055, 8056)
Materials	
Housing	Stainless steel
Cover	PPS
Seal	EPDM
Display	None
Parameterization	Through remote configuration tool kit (accessories Item No. 559 374)
Electrical connection	2 cable glands PG9



Medium temperature, please see separate data sheets of the complete magflow-meter 8051, 8054/8055, 8056

Electrical data	
Power supply	20... 30 V DC
Power consumption	max. 10 W
Input	1 digital, selectable function
Outputs	
Transistor	2 outputs, selectable open collector as pulse/frequency (1250 Hz, 100 mA, 40 V DC) or alarm (adjustable usage)
Current	1 output, 4... 20 mA - RL = 800 Ω passive
Serial interface*	RS 485 or PROFIBUS DP

* on request.

Electrical data (continued)	
Accuracy ¹⁾	±0.2% of reading (see diagram, on page 1)
Repeatability	±0.1% of reading
Galvanic isolation	All the input/outputs are galvanically isolated from power supply
Data storage	An EEPROM stores the measured values (in case of power failure)
Special functions	Bidirectional measure Diagnostic function Empty pipe detection Remote configuration (for connection to PC or hand terminal) Batch function
Velocity range	0.4... 10 m/s

Environment	
Ambient temperature	
Operating and storage	-20 to 40°C (-4 to 104°F)
Relative humidity	≤ 85%, without condensation
Height above sea level	-200 to 6000 m

Standard	
Protection	Class I, IP67, category of installation II
Standard	
EMC	EN 61326-1
Emission	EN 55011 (Group1, Class B)
Immunity	IEC 1000-4-2/3/4/5/6/11
Safety	EN 61010

Technical data (electronics SE56 basic)



General data

Compatibility	S051, S054, S055, S056 sensor fitting (see corresponding data sheet)
Materials Housing	PA6 with glass fibre
Display	Alphanumeric display 2 lines x 16 Characters, without back light
Parameterization	Through remote configuration tool kit (accessories Item No. 559 374) or 3 keys inside
Electrical connection	3 cable glands PG11



Medium temperature, please see separate data sheets of the complete magflow-meter 8051, 8054/8055, 8056

Electrical data

Power supply	90... 265 V AC or 12... 60 V DC
Power consumption	max. 6 W
Input	1 digital, selectable function
Outputs Transistor	2 outputs, selectable open collector as pulse/frequency (1250 Hz, 100 mA, 40 V DC) or alarm (adjustable usage)
Current	1 output, 4... 20 mA - RL = 800 Ω passive
Serial interface*	RS 485

* on request.

Electrical data (continued)

Measurements tolerance	Flow rate (volume) = $\pm 0.1\%$ of reading Out 4/20 mA = $\pm 0.12\%$ of reading Frequency out = $\pm 0.12\%$ of reading
Accuracy	$\pm 0.8\%$ of reading (see diagram, on page 1)
Repeatability	$\pm 0.2\%$ of reading
Galvanic isolation	All the input/outputs are galvanically isolated from power supply
Data storage	An EEPROM stores the measured values (in case of power failure)
Special function	Bidirectional measure Diagnostic function Empty pipe detection Plug in (protected plug for connection to PC or hand terminal)
Velocity range	0.4... 10 m/s

Environment

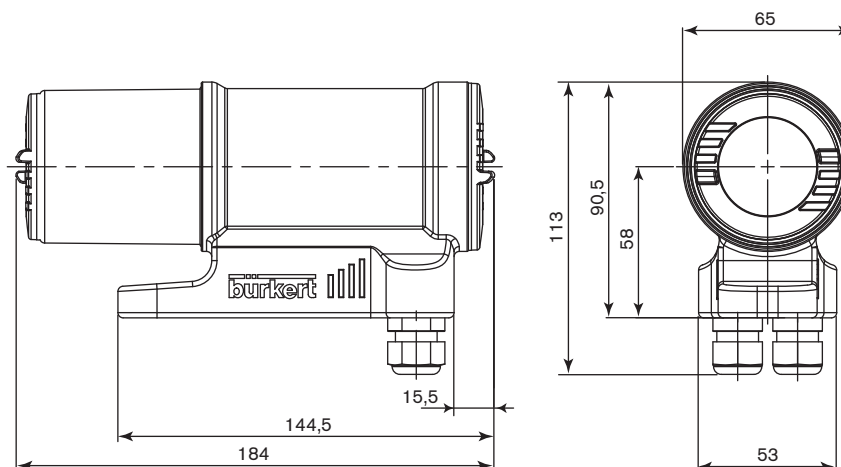
Ambient temperature Operating	-10 to 50°C (14 to 122°F)
Storage	-20 to 50°C (-4 to 122°F)
Relative humidity	$\leq 85\%$, without condensation
Height above sea level	-200 to 6000 m

Standard

Protection	Class I, IP65, category of installation II
Standard EMI Safety	EN 55011 (Group 1, Class B) EN 61326-1, IEC 1000-4-2/3/4/5/6/11 EN 61010

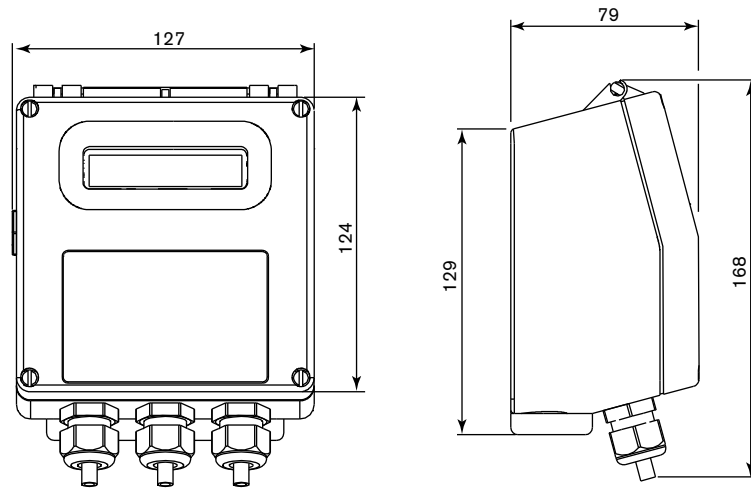
Dimensions [mm]

Electronics SE56 blind



Dimensions [mm]

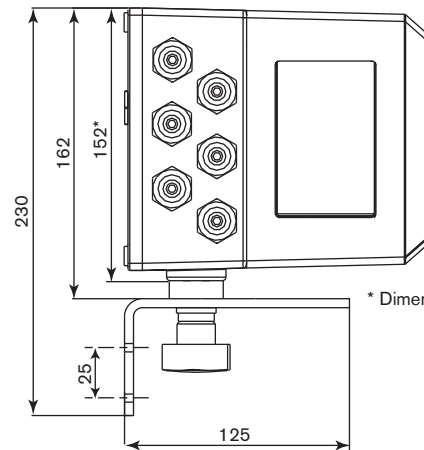
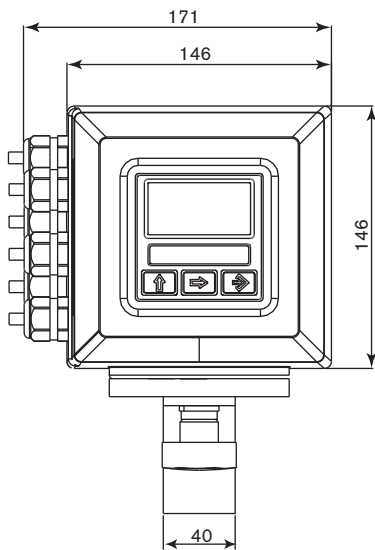
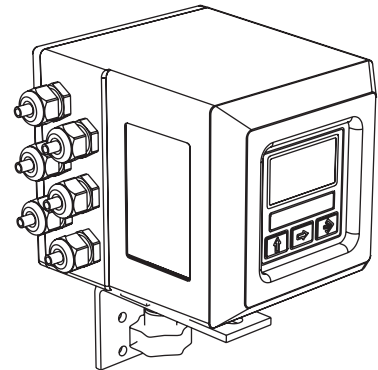
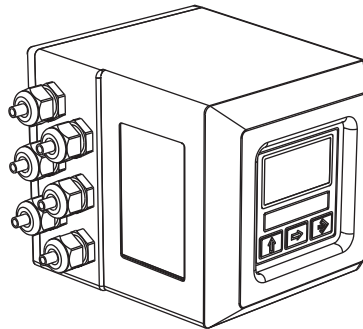
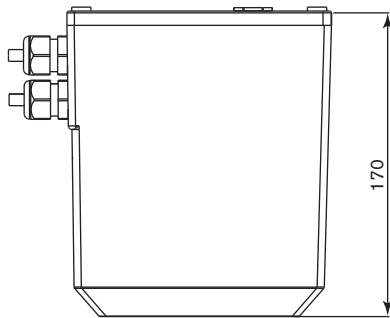
Electronics SE56 Basic



Electronics SE56 standard with display

Compact version

Remote version



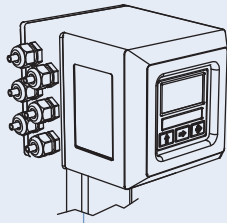
* Dimension of compact version

Ordering information for complete full bore magflowmeter Type 8051, 8054/8055 or 8056

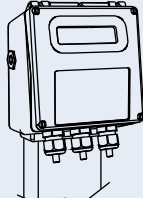
A complete full bore magflowmeter consists of a sensor fitting and an electronics SE56.

Examples for variations of complete full bore magflowmeter (electronics + sensor fitting)

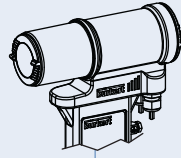
Electronics Type SE56



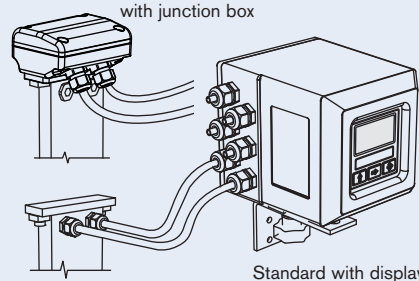
Standard with display
compact version



Basic (with or without display)
compact version



Without display (blind)
compact version

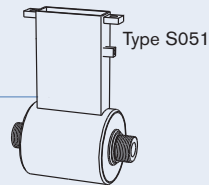


Standard with display
remote version

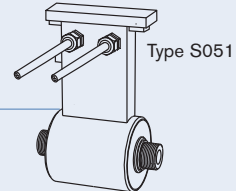
Magflowmeter Type 8051

More info.

For more technical information about this product, click on this box... you will come to our website for this product where you can download the datasheet.



Compact version
sensor fitting

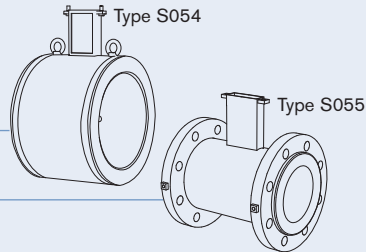


Remote version
sensor fitting

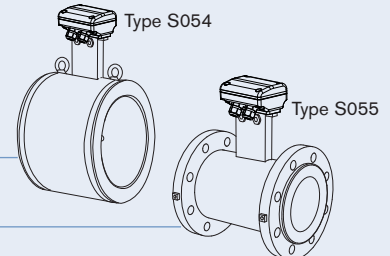
Magflowmeter Type 8054/8055

More info.

For more technical information about this product, click on this box... you will come to our website for this product where you can download the datasheet.



Compact version
sensor fitting

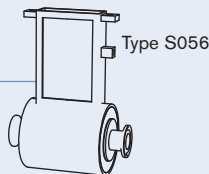


Remote version
sensor fitting

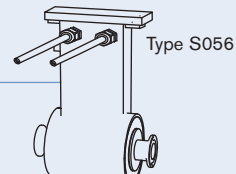
Magflowmeter Type 8056

More info.

For more technical information about this product, click on this box... you will come to our website for this product where you can download the datasheet.



Compact version
sensor fitting



Remote version
sensor fitting

The following information is necessary for the selection of a complete full bore magflowmeter:

- **item no.** of the sensor fitting **Type S051, Type S054/Type S055 or Type S056** (see separate data sheets of the complete magflowmeter 8051, 8054/8055, 8056)
- **item no.** of the electronics **Type SE56** (Ordering chart on page 6)

Ordering chart for electronics Type SE56 for magflowmeter

Description	Power supply	Output	Body material	Electrical connection	Item no.
Standard compact version with display	90... 265 V AC	2 transistors	Aluminium	6 cable glands	558 745
			Stainless steel	6 cable glands	559 780
		2 transistors + 4... 20 mA	Aluminium	6 cable glands	558 747
			Stainless steel	6 cable glands	558 306
Standard wall-mounting version with display	90... 265 V AC	2 transistors	Aluminium	6 cable glands	559 781
			Stainless steel	6 cable glands	558 310
		2 transistors + 4... 20 mA	Aluminium	6 cable glands	558 750
			Stainless steel	6 cable glands	558 308
Basic compact version with display	90... 265 V AC	2 transistors	Nylon	3 cable glands	562 439
		2 transistors + 4... 20 mA	Nylon	3 cable glands	562 440
	12... 60 V DC	2 transistors	Nylon	3 cable glands	562 443
		2 transistors + 4... 20 mA	Nylon	3 cable glands	562 444
Basic compact version without display	90... 265 V AC	2 transistors	Nylon	3 cable glands	562 441
		2 transistors + 4... 20 mA	Nylon	3 cable glands	562 442
	12... 60 V DC	2 transistors	Nylon	3 cable glands	562 445
		2 transistors + 4... 20 mA	Nylon	3 cable glands	562 446
Blind compact version	20... 30 V DC	up to 4 transistors	Stainless steel	2 cable glands	559 132
		up to 4 transistors + 4... 20 mA	Stainless steel	2 cable glands	559 133
		up to 4 transistors + PROFIBUS DP	Stainless steel	2 cable glands	559 134

i Further versions on request

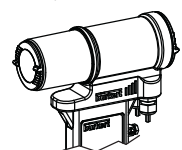
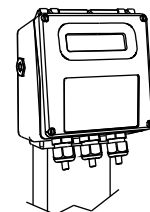
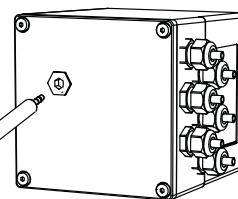
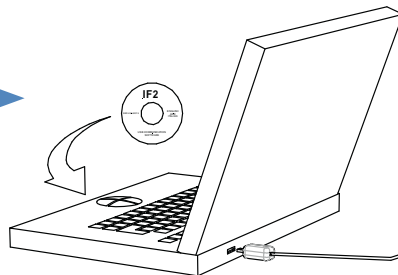
Please also use the "request for quotation" form on page 7 for ordering a customized electronics [go to page](#).

Ordering chart - accessories

Description	Item no.
Remote configuration tool kit	559 374

Configuration accessories

Remote configuration tool kit



Positive displacement sensor fitting for continuous flow measurement



- DN15 to DN100
- INLINE Quarter-Turn technology
- Electronics available for indication, monitoring, transmitting, On/Off control and batch control

Type S070 can be combined for...



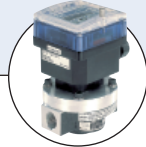
Type 8070

Positive displacement flowmeter



Type 8072

Positive displacement flowmeter



Type 8075

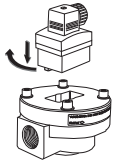
Positive displacement flowmeter



Type 8076

Positive displacement flowmeter

This positive displacement sensor fitting is specially designed for flow measurement and/or batch control of highly viscous fluids like glue, honey or oil.



This measuring element must be associated to an electronic module SE30, SE32, SE35, SE36 with hall sensor principle only, quickly and easily connected together by a Quarter-Turn.

The design of this fitting is based on the oval rotor principle. This has proven to be a reliable and highly accurate volumetric method of measuring flow. Exceptional repeatability and high accuracy over a wide range of viscosities and flowrates are features of that design. The low pressure drop and high pressure rating make it suitable for both gravity and pump (in-line) applications.

General data	
Compatibility	With electronic SE30, SE32, SE35, SE36 with Hall sensor principle (see separate data sheet)
Wetted parts materials	
Body	Aluminium, stainless steel (316F)
Rotor	PPS, aluminium, stainless steel (316F)
Shaft	Stainless steel (316F)
Seal	FKM or FEP/PTFE encapsulated
Environment	
Ambient temperature	0 to 60°C (32 to 140°F) (operation and storage)
Standards, directives and approvals	
Protection class	IP66 (NEMA 6)
Directives	
Pressure	Complying with article 3 of §3 from 97/23/CE directive*. (without CE mark)

* For the 97/23/CE pressure directive, the device can only be used under following conditions (dependent on max. pressure, pipe diameter and fluid).

Type of fluid	Conditions
Fluid group 1, §1.3.a	Forbidden
Fluid group 2, §1.3.a	DN ≤ 32, or DN > 32 and PN*DN ≤ 1000
Fluid group 1, §1.3.b	PN*DN ≤ 2000
Fluid group 2, §1.3.b	DN ≤ 200

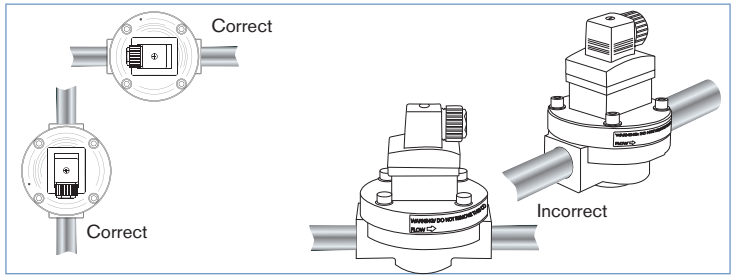
Complete device data	
Pipe diameter	DN15 to DN100
Thread connection	1/2"; 1"; 1 1/2"; 2"; 3" (G or NPT)
Flange connection	25; 40; 50; 80 or 100 mm DIN PN16 flange 1"; 1 1/2"; 2"; 3" or 4" ANSI 150LB flange
Measuring range	
Viscosity > 5 cps	2 to 1200 l/min (0.26 to 320 gpm)
Viscosity < 5 cps	3 to 616 l/min (0.78 to 160 gpm)
Medium temperature max.	Aluminium body: 80°C (176°F) Stainless steel body: 120°C (248°F)
Medium pressure max.	
DN15	55 bar (798.05 PSI) (threaded process connection)
DN25	55 bar (798.05 PSI) ¹⁾
DN40/DN50	18 bar (261.18 PSI)
DN80	12 bar (174.12 PSI)
DN100	10 bar (145.1 PSI)
Viscosity	1000 cps. max. (higher on request)
Max. particle size	250 µm - To prevent damage from dirt or foreign matter, we strongly recommend the installation of a 250 µm strainer as close as possible to the inlet side of the meter.
Accuracy	±0.5% of Reading
Repeatability	±0.03% of Reading

¹⁾ or in accordance to the value of the used flanges

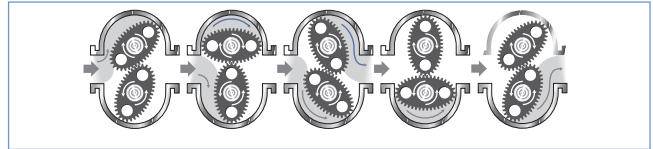
Installation and operation

The sensor fitting can be installed in any orientation as long as **the rotor shafts are always in a horizontal plane** (see figures to the right) and **the flow of the fluid is in the direction of the arrow marked on the body.**

The pipe must be filled with liquid and free from air bubbles. Avoid air purge of the system which would cause damages and to prevent damage from dirt or foreign matter, we strongly recommend the installation of a 250 µm strainer as close as possible to the inlet side of the meter.

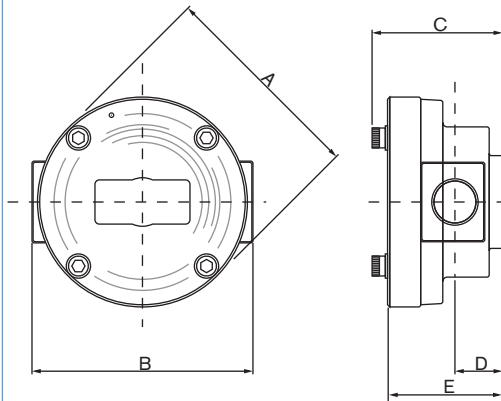


When fluid passes through the fitting, rotors turn. This rotation produces a measuring frequency in the associated hall sensor, which is proportional to the flow.



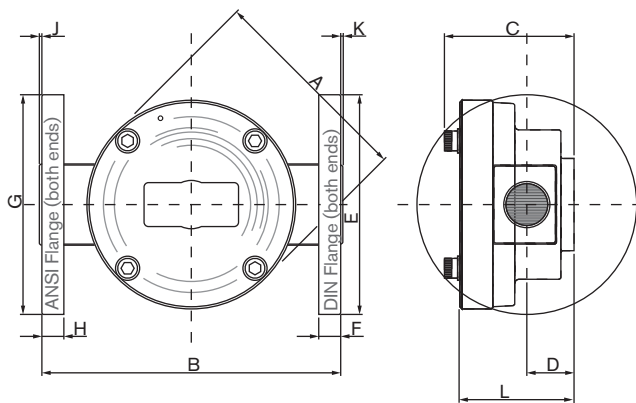
Dimensions [mm]

Threaded connection



Orifice DN	A	B		C	D	E
		Stainless steel	Aluminium			
15	96	100	100	61	20	55
25	112	143	133	91	35	85
40	144	124	124	120	45	112
50	178	210	210	150	55	140
80	220	260	302	212	77	202

Flanged connection



Orifice DN	A	B		C	D	E	F	G	H	J	K	L		
		Stainless Steel DIN	ANSI										B Al. DIN	ANSI
25	112	291	294	281	284	91	35	115	16	108	16.0	1.6	1.6	85
40	144	262	270	262	270	120	45	150	16	127	17.5	1.6	1.6	112
50	178	264	264	264	264	150	55	165	18	152	19.0	1.6	1.6	140
80	220	344	348	436	436	212	77	200	22	191	22.5	1.6	1.6	202
100	291	382	390	578	578	230	108	220	22	229	22.5	1.6	1.6	234

Ordering chart for sensor fitting Type S070

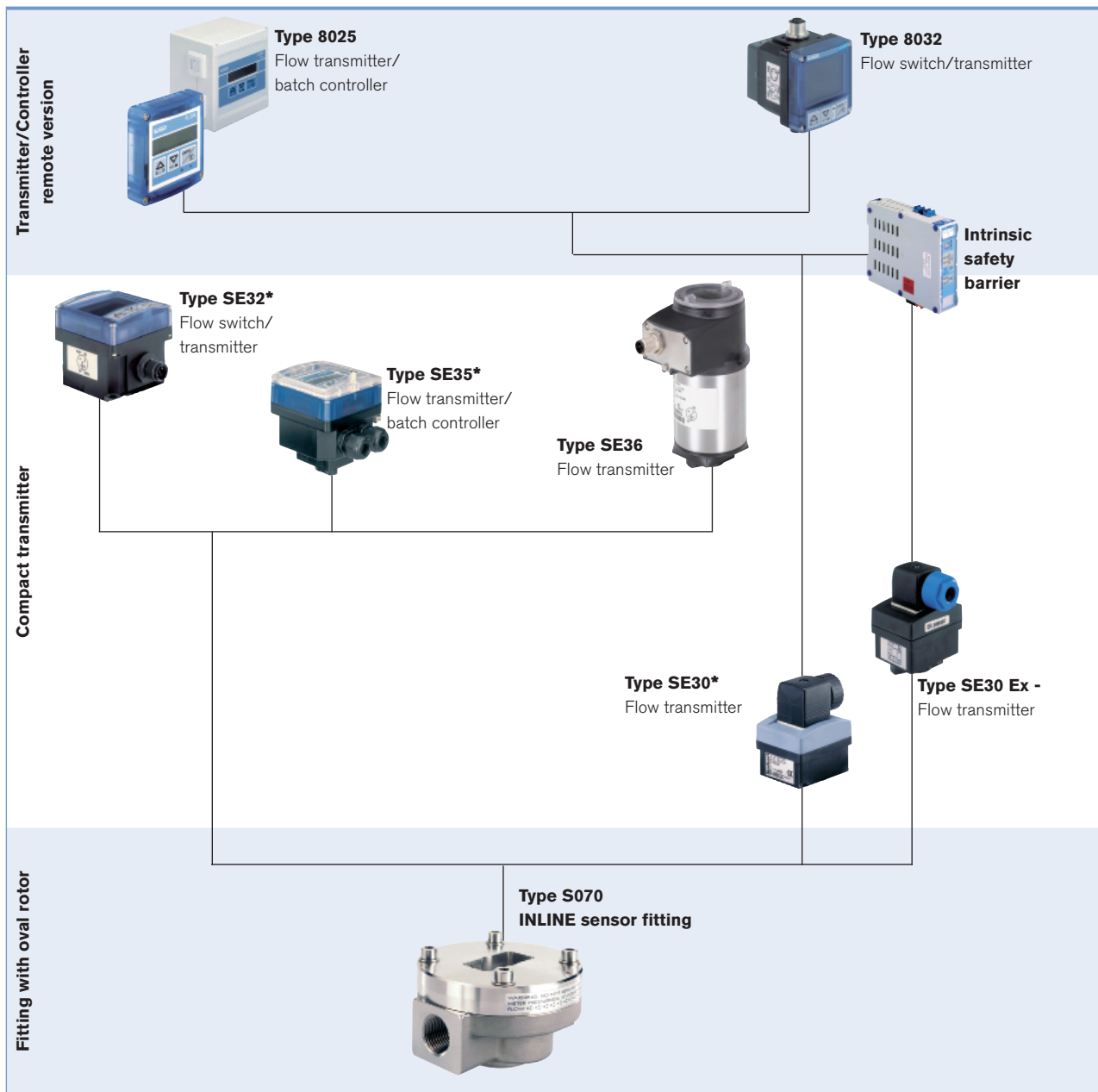
Orifice DN	Process connection	Flow Range		Body material	Rotor material	Seal	Item no.
		> 5 cps	< 5 cps				
15	G 1/2"	2 - 30 l/min	3 - 25 l/min	Aluminium	PPS	FKM	443 985
				Stainless steel	Stainless steel	FEP/PTFE	443 990
	NPT 1/2"	2 - 30 l/min	3 - 25 l/min	Aluminium	PPS	FKM	443 995
				Stainless steel	Stainless steel	FEP/PTFE	444 000
25	G 1"	6 - 120 l/min	10 - 100 l/min	Aluminium	PPS	FKM	443 986
				Stainless steel	Stainless steel	FEP/PTFE	443 991
	NPT 1"	6 - 120 l/min	10 - 100 l/min	Aluminium	PPS	FKM	443 996
				Stainless steel	Stainless steel	FEP/PTFE	444 001
	25 mm DIN PN16 flange	6 - 120 l/min	10 - 100 l/min	Aluminium	PPS	FKM	553 637
				Stainless steel	Stainless steel	FEP/PTFE	553 634
	1" ANSI 150 LB flange	6 - 120 l/min	10 - 100 l/min	Aluminium	PPS	FKM	553 636
				Stainless steel	Stainless steel	FEP/PTFE	553 633
40	G 1 1/2"	10 - 250 l/min	15 - 235 l/min	Aluminium	PPS	FKM	443 987
				Stainless steel	Stainless steel	FEP/PTFE	443 992
	NPT 1 1/2"	10 - 250 l/min	15 - 235 l/min	Aluminium	PPS	FKM	443 997
				Stainless steel	Stainless steel	FEP/PTFE	444 002
	40 mm DIN PN16 flange	10 - 250 l/min	15 - 235 l/min	Aluminium	PPS	FKM	443 988
				Stainless steel	Stainless steel	FEP/PTFE	443 993
	1 1/2" ANSI 150 LB flange	10 - 250 l/min	15 - 235 l/min	Aluminium	PPS	FKM	443 998
				Stainless steel	Stainless steel	FEP/PTFE	444 003
50	G 2"	15 - 350 l/min	30 - 300 l/min	Aluminium	PPS	FKM	553 640
				Aluminium	PPS	FKM	553 641
	50 mm DIN PN16 flange	15 - 350 l/min	30 - 300 l/min	Aluminium	PPS	FKM	443 989
				Stainless steel	Stainless steel	FEP/PTFE	443 994
	2" ANSI 150 LB flange	15 - 350 l/min	30 - 300 l/min	Aluminium	PPS	FKM	443 999
				Stainless steel	Stainless steel	FEP/PTFE	444 004
80	G 3"	20 - 733 l/min	66 - 616 l/min	Aluminium	Aluminium	FKM	553 642
				Aluminium	Aluminium	FKM	553 643
	80 mm DIN PN16 flange	20 - 733 l/min	66 - 616 l/min	Aluminium	Aluminium	FKM	553 645
				Aluminium	Aluminium	FKM	553 644
	3" ANSI 150 LB flange	20 - 733 l/min	66 - 616 l/min	Aluminium	Aluminium	FKM	553 644
100	100 mm DIN PN16 flange	120 - 1200 l/min	---	Aluminium	Aluminium	FKM	553 647
	4" ANSI 150 LB flange	120 - 1200 l/min	---	Aluminium	Aluminium	FKM	553 646

Ordering chart for spare parts for sensor fitting S070

Description	Orifice Size		Materials	Item no.
	[mm]	[inch]		
Rotor	DN15	1/2"	PPS	550 933
			Stainless steel	550 934
	DN25	1"	PPS	550 937
			Stainless steel	550 938
	DN40	1 1/2"	PPS	550 941
			Stainless steel	550 942
DN50	2"	PPS	550 945	
		Stainless steel	550 946	

Description	Orifice Size		Materials	Item no.
	[mm]	[inch]		
O-ring	DN15	1/2"	FEP/PTFE	550 929
			FKM	550 930
	DN25	1"	FEP/PTFE	550 935
			FKM	550 936
	DN40	1 1/2"	FEP/PTFE	550 939
			FKM	550 940
	DN50	2"	FEP/PTFE	550 943
			FKM	550 944

Interconnection possibilities with other Bürkert products



* Use only version with Hall transducer

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In case of special application conditions, please consult for advice.

Subject to alteration.
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