



Metal tube variable area flowmeter for gases, liquids and steam

- Metallic or plastic tube with a robust construction
- Indication by means of magnetic coupling
- Scales calibrated in l/h, m³/h, kg/h, t/h, %, etc.
- High performance measurement in extreme working conditions and high resistance to corrosion
- Low pressure drop
- Fully hygienic design available
- Damping mechanism to avoid float bounces in gas and steam applications
- Flow measurement in horizontal pipes with the model SC250H and in vertical pipes with downwards or upwards flow (to increase the flow capacity) with the model SC250V
- Flow rate (model SC250):
 - Water: 2.5 l/h ... 180 m³/h
 - Air: 75 NI/h ... 5400 Nm³/h
- Accuracy: ±2.5% f.s. (±1.6% f.s. on request)
- Connections:
 - Model SC250: DN15 ... DN150
 - Models SC250H ... V / SM250: DN15 ... DN80
 - DIN or ANSI flanges. Other flange standards on request (JIS,...)
 - Threaded connections BSP or NPT
 - Sanitary connections according to ISO 2852, SMS 1145, DIN 11851, TRI-CLAMP®
- Materials: EN 1.4404 (SS 316L), PVC, PP, PTFE, Titanium, Hastelloy
- Local indication
- Options:
 - 1 or 2 limit switches
 - Electronic transmitter with 4-20 mA analog output for safe or hazardous area (Ex ia IIC T4 or T6 protection, ATEX certified). HART™ protocol available on request
 - Local volume totalizer. Remote volume totalizer by means of pulse output (not available for Ex transmitters)



Model SC250

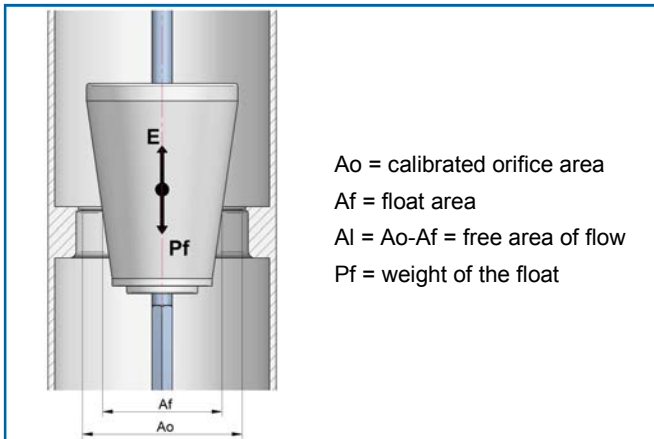
The SC250 is a variable area flowmeter made with a totally automated construction and standard pieces, that provides a high precision in flow rate measurements.

Working principle

The metering system consists on a calibrated orifice and a conical float. The force from the fluid, as it flows from the bottom to the top, displaces the float until it reaches an equilibrium point that is a function of:

- The weight of the float: P_f
- The force of the fluid flow: E
- The free area of flow: A_l

Each float position represents an area between the float and the orifice. This area corresponds to a flow rate. This type of working principle is known as variable area.



Applications

- Water treatment plants
- Pharmaceutical, chemical and petrochemical industry
- Power plants and nuclear generating plants
- Pulp & paper industry
- Food industry
- Heating and cooling circuits
- Saturated steam circuits
- Oven treatments and control of gas burners

Technical data

- Accuracy:
 - $\pm 2.5\%$ at full scale
 - $\pm 1.6\%$ at full scale on request
- Direct scales in engineering units or in %
- Scale range: 10:1
- Fluid density: no restrictions
- Fluid viscosity: up to 10 mPa·s approx., depending on flow rate

- Fluid temperature for standard versions:
 - EN 1.4404 (SS 316L): $-50^\circ\text{C} \dots +300^\circ\text{C}$
 For higher process temperatures, see thermal separator p. 11
 - PTFE: $-20^\circ\text{C} \dots +150^\circ\text{C}$
 - PVC: $0^\circ\text{C} \dots +50^\circ\text{C}$
 - PP: $-5 \dots +90^\circ\text{C}$
- Ambient temperature:
 - EN 1.4404 (SS 316L) & PTFE: $-20^\circ\text{C} \dots +80^\circ\text{C}$
 - PVC: $0^\circ\text{C} \dots +45^\circ\text{C}$
 - PP: $-50^\circ\text{C} \dots +80^\circ\text{C}$
- Working pressure:
 - SC250 / INOX (EN 1.4404 - SS 316L):

PN40	DN15 ... DN50
PN16	DN65 ... DN150

 (others on request)
 - SC250 / PVC / PP / PTFE
(SS 316L tube, PVC / PP / PTFE lined)

PN40	DN15 ... DN40
PN16	DN50 ... DN125
PN10	DN150

 (others on request)
 - SC250 / PVC T / PP T (Fully PVC / Fully PP)

PN16	DN15 ... DN125
PN10	DN150
- Connections:
 - Model SC250: DN15 ... DN150
 - Models SC250H ... V / SM250: DN15 ... DN80
 - DIN or ANSI flanges. Other flange standards on request (JIS,...)
 - Threaded connections BSP or NPT
 - Sanitary connections according to ISO 2852, SMS 1145, DIN 11851, TRI-CLAMP®. Fully hygienic design available on request
- Mounting length:
 - DN15 ... DN125: 250 mm
 - DN150: 300 mm
 Same mounting length for flowmeters with float damping system (see p. 12).
- Housing: IP65 - coated aluminium (IP65 - polypropylene or IP67 - EN 1.4404 (SS 316L) with glass window, on request)

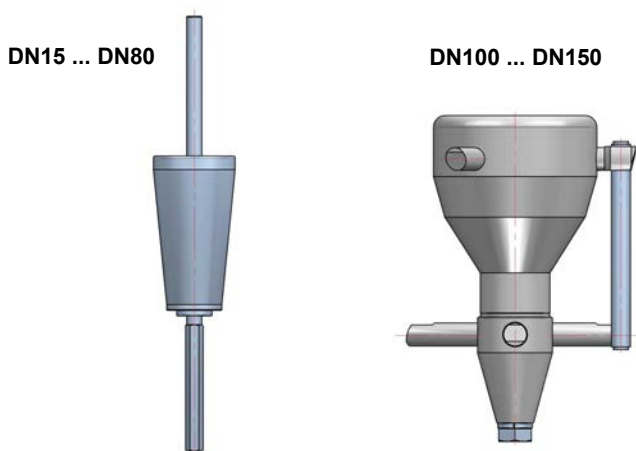
Operation

- Vertical with upwards flow (BD)

Limit switches and transmitters

- SC-AMM1 ... 2: 1 or 2 adjustable micro-switches
- SC-AMD1 ... 2: 1 or 2 adjustable inductive detectors (+ relays on request)
- TH5 ... TH5H: 4-20 mA transmitter 2 wires + pulse output HART™ protocol with model TH5H
- TH5T ... TH5TH: transmitter + totalizer 2 wires + pulse output HART™ protocol with model TH5TH
- TH5 Ex ... TH5H Ex: 4-20 mA transmitter 2 wires Ex ia IIC T4/T6 (ATEX) HART™ protocol with model TH5H Ex
- TH5T Ex ... TH5TH Ex: transmitter + totalizer 2 wires Ex ia IIC T4/T6 (ATEX) HART™ protocol with model TH5TH Ex

Float types



The tapered floats are constructed in SS 316L, PVC, PP and PTFE as standard or other materials on request, according to the characteristics of the process fluid.

The maximum working viscosity for these floats is 10 mPa·s approx., depending on flow rate.



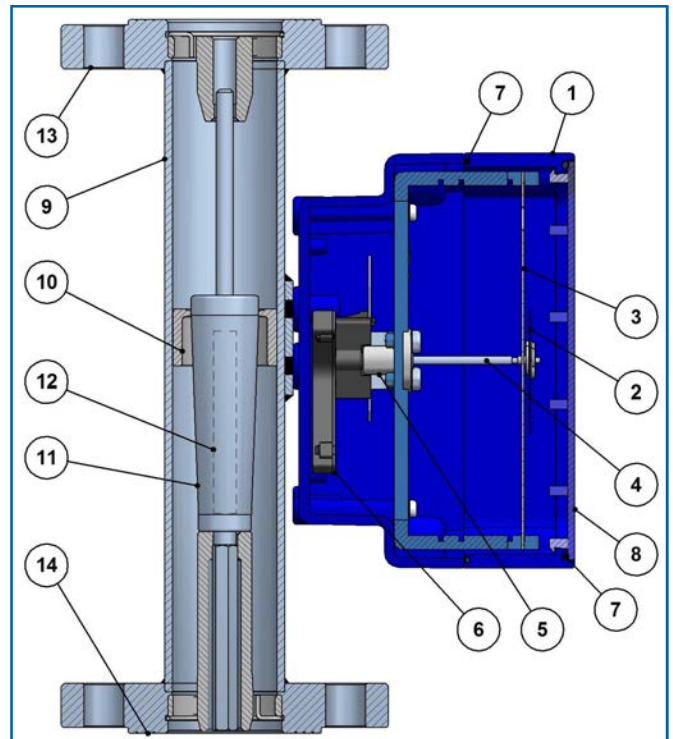
Materials

Housing

Item	Description	Materials
1	Enclosure	Coated aluminium
2	Indicating needle	Aluminium
3	Scale plate	Aluminium
4	Shaft	EN 1.4301 (SS 304)
5	Ball bearing	EN 1.4404 (SS 316L)
6	Magnet	Alnico
7	O-ring	Nitrile rubber
8	Window	Polycarbonate (UV treated)

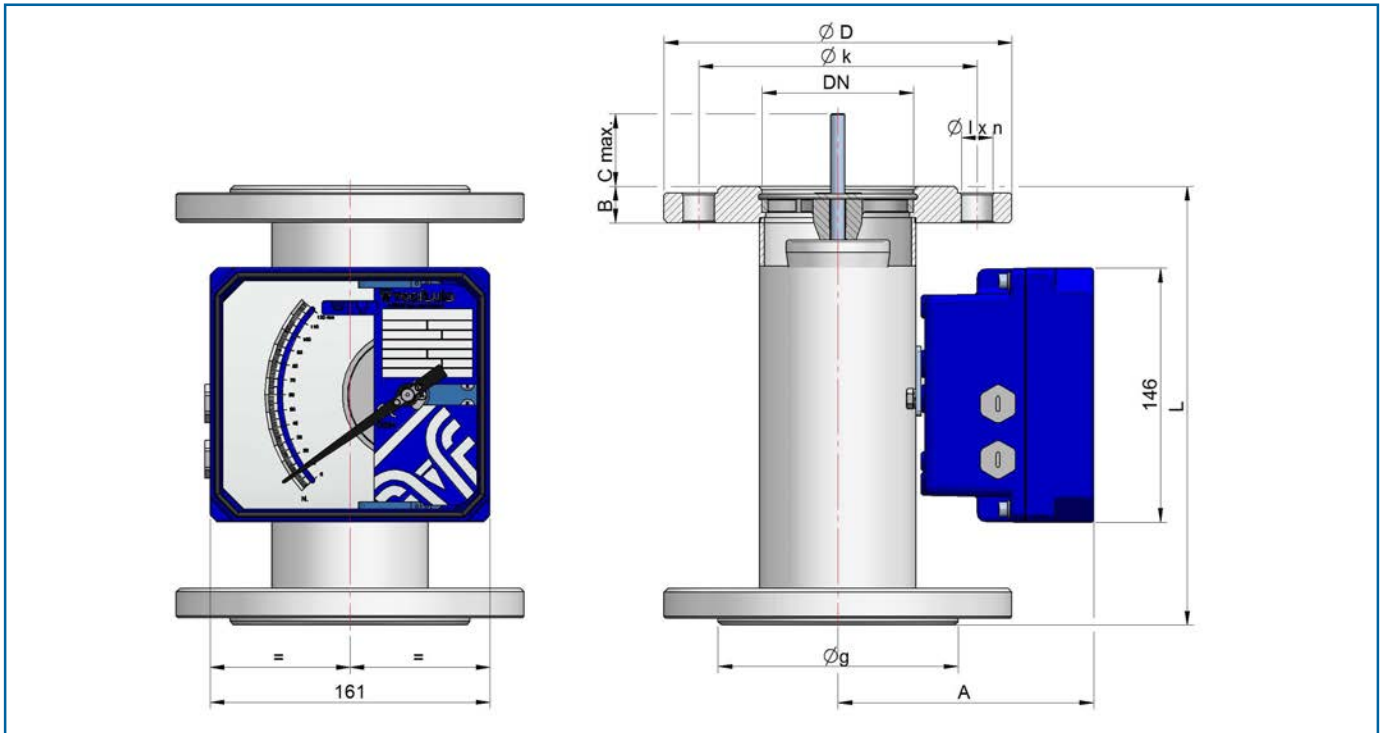
Flow tube

Item	Description	Version		
		EN 1.4404	PVC/PP	PTFE
9	Flow tube	EN 1.4404	PVC/PP	PTFE/SS
10	Calibrated orifice	EN 1.4404	PVC/PP	PTFE
11	Float	EN 1.4404	PVC/PP	PTFE
12	Magnet	—	Alnico	—
13	Flanges	EN 1.4404	PVC/PP	EN 1.4404
14	Flange seat	EN 1.4404	PVC/PP	PTFE



Dimensions (in mm, with DIN flanges)

Size DN	PN	Ø D	Ø k	Ø g	Ø l x n	B	A		C max		L	Weight kg
							SC250	SM250	SC250	SM250		
15	40	95	65	49	14 x 4	16	133	136	45	45	250	3.5
25	40	115	85	68	14 x 4	18	146	154	45	45	250	4.5
40	40	150	110	88	18 x 4	18	154	167	45	45	250	7.3
50	40	165	125	102	18 x 4	20	167	176	45	45	250	8.3
65	16	185	145	122	18 x 4	18	176	192	45	45	250	10
80	16	200	160	138	18 x 8	20	192	211	45	45	250	12
100	16	220	180	158	18 x 8	20	211	-	45	-	250	15
125	16	250	210	188	18 x 8	22	236	-	45	-	250	20
150	16	285	240	212	22 x 8	22	262	-	45	-	300	32



Dimensions (in mm, with ANSI flanges)

Size	Pressure class lbs	Ø D	Ø k	Ø g	Ø l x n	B	A		C max		L	Weight kg
							SC250	SM250	SC250	SM250		
½"	150	88.9	60.3	44.0	15.90 x 4	11.1	122	122	45	45	250	3.5
¾"	150	98.4	69.8	42.9	15.90 x 4	12.7	133	146	45	45	250	4.5
1"	150	107.9	79.4	50.8	15.90 x 4	14.3	146	154	45	45	250	7.3
1 ¼"	150	117.5	88.9	63.5	15.90 x 4	15.9	146	154	45	45	250	8.3
1 ½"	150	127.0	98.4	73.0	15.90 x 4	17.5	154	167	45	45	250	10
2"	150	152.4	120.6	92.1	19.05 x 4	19.1	167	176	45	45	250	12
2 ½"	150	177.8	139.7	104.8	19.05 x 4	22.2	176	192	45	45	250	15
3"	150	190.5	152.4	127.0	19.05 x 4	23.8	192	211	45	45	250	20
4"	150	228.6	190.5	157.2	19.05 x 8	23.8	211	-	45	-	250	32
5"	150	254.0	215.9	185.7	22.20 x 8	23.8	236	-	45	-	250	20
6"	150	279.4	241.3	215.9	22.20 x 8	25.4	262	-	45	-	300	32

SC250 flow ranges

Size DIN (ANSI)	Float N°	Flow scales EN 1.4404 (SS 316L) float (7.95 g/cm³)			Flow scales PVC float			
		l/h water	Nm³/h air 1.013 bar abs 20°C	ΔP mbar	l/h water	ΔP mbar	Nm³/h air 1.013 bar abs 20°C	ΔP mbar
15 (½")	15025	2.5-25	0.07-0.7	40	2.5-25	20	0.1-1	30
	15040	4-40	0.12-1.2	40	6-60	15	0.2-2	25
	15060	6-60	0.18-1.8	40	10-100	15	0.4-4	25
	15100	10-100	0.3-3	40	16-160	15	0.6-6	25
	15160	16-160	0.5-5	50	25-250	15	1-10	25
	15250	25-250	0.7-7.5	50	40-400	15	1.6-16	25
15 (¾")	15400	40-400	1.2-12	50	60-600	15	2-20	25
	15600	60-600	1.8-18	50				
	15800	80-800	2.4-24	60				
25 (1")	25100	100-1000	3-30	60	16-160	10	0.6-6	20
	25160	160-1600	5-50	70	25-250	10	1-10	20
	25250	250-2500	7-75	90	40-400	10	1.6-16	20
	25400	400-4000	12-120	110	60-600	10	2.5-25	20
	25101				100-1000	10	4-40	20
	25161				160-1600	10	6-60	20
	25251				240-2400	10	9-96	20
40 (1 ½")	40400	400-4000	12-120	45	150-1500	20	5-50	25
	40600	500-6300	15-180	55	250-2500	20	8-80	25
	40800	800-8000	24-240	90	400-4000	20	14-140	25
	40100	1000-10000	30-300	120				
50 (2")	50800	800-8000	24-240	70	250-2500	15	9-90	25
	50100	1000-10000	30-300	90	400-4000	15	15-150	25
	50150	1500-15000	45-450	100	600-6000	15	20-200	25
	50200	2000-20000	60-600	130				
	50101				1000-10000	15	35-350	25
65 (2 ½")	65150	1500-15000	45-450	70	800-8000	15	25-250	25
	65200	2000-20000	60-600	100	1000-10000	15	40-400	25
	65300	3000-30000	90-900					
80 (3")	80020	2000-20000	60-600	80	1000-10000	15	40-400	25
	80025	2500-25000	75-750	100	1600-16000	15	60-600	25
	80030	3000-30000	90-900	120				
	80040	4000-40000	120-1200	160				
	80050	5000-50000	150-1500	190				
	80060	6000-60000	180-1800	220				
100 (4")	81040	4000-40000	120-1200	100	1600-16000	20	60-600	25
	81050	5000-50000	150-1500	120	2000-20000	20	100-1000	25
	81060	6000-60000	180-1800	150				
	81100	10000-100000	300-3000	220				
125 (5")	82080	8000-80000	240-2400	120	3000-30000	20	150-1500	30
	82100	10000-100000	300-3000	150	4000-40000	20	200-2000	30
	82120	12000-120000	360-3600	180	6000-60000	20	220-2200	30
150 (6")	83150	15000-150000	450-4500	220	8000-80000	25	250-2500	35
	83180	18000-180000	500-5400	220	10000-100000	25	300-3200	35

Models SC250H...V

The SC250H...V are versions of the SC250 flowmeter that can be installed in horizontal pipes with flow from left to right or right to left, in vertical pipes with downwards flow or in vertical pipes with upwards flow to increase the standard flow capacity.

The precision is $\pm 2.5\%$ f.s. or optionally $\pm 1.6\%$ f.s. according to VDI/VDE 3513, Sheet 2.

The SC250H...V is suitable for the flow measurement of liquids or gases and can be equipped with additional switches, transmitters and options like the SC250 series.

The standard materials for the floats are PVC, PP, PTFE and EN 1.4404 (SS 316L). Versions for high pressure and temperature applications are also available.

For more details about pressure and temperature limits, materials, etc. please refer to model SC250.

Working principle

The metering system is made up of a calibrated orifice, a conical float and a spring.

The force from the fluid, as it flows through the flowmeter, displaces the float and compresses the spring, reaching an equilibrium point which corresponds to a specific flow.

Operation

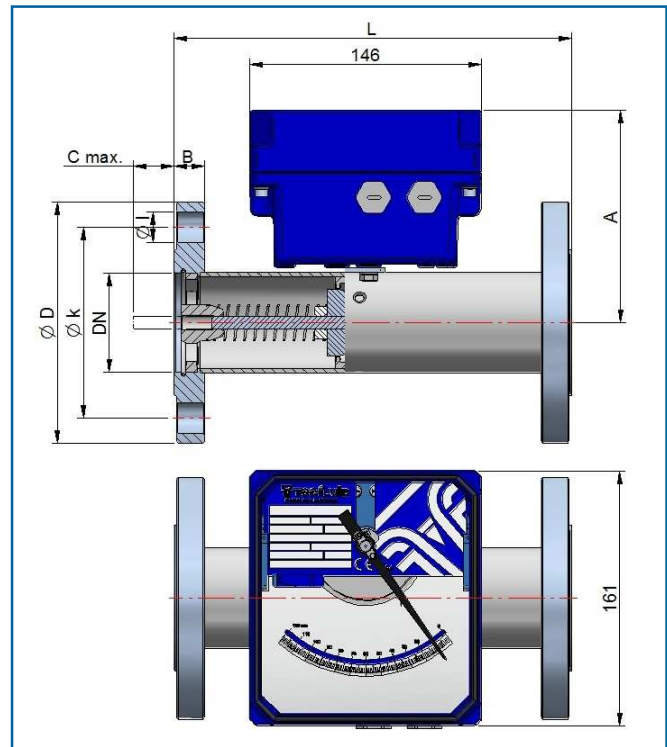
- Vertical, with SC250V
 - Upwards flow (BD)
 - Downwards flow (DAB)
- Horizontal, with SC250H
 - Left to right flow (ED)
 - Right to left flow (DES)



⁽¹⁾ Flow ranges available only with plastic float (PP / PVC / PTFE)

Other flow ranges available, with different float materials

Scales for air, liquids or gases available



Please refer to p. 5 for dimensions

SC250H...V flow ranges

Size DIN (ANSI)	Flow scales l/h water			Δp mbar
	Spring n° 1	Spring n° 2	Spring n° 3	
15 (½")	10-100			390
	16-160	25-250		290
	25-250			290
	40-400	60-600		200 / 350
15 (¾")	100-1000			350
	150-1500	250-2500		350 / 600
	60-600 ⁽¹⁾			90
	100-1000 ⁽¹⁾			90
25 (1")	160-1600	250-2500		290
	400-4000			290
	600-6000			290
	800-8000 ⁽¹⁾			120
	1000-10000			300
	400-4000 ⁽¹⁾			90
40 (1 ½")	650-6500	800-8000		130 / 160
	1000-10000			150
	1600-16000	2000-20000		180 / 270
50 (2")	600-6000			120
	1100-11000			120
	1800-18000			150
	2300-23000*	3000-30000*	4000-40000	170* / 280
65 (2 ½")	1800-18000			110
	2400-24000*	3000-30000*	4000-40000	150* / 220
80 (3")	2500-25000 ⁽¹⁾	3000-30000 ⁽¹⁾		50 / 60
	4000-40000	5000-50000		140
	6000-60000			220

Model SM250

The SM250 is a version of the SC250 flowmeter that is suitable for liquids with high viscosities, which cannot be measured with the standard SC250. This is achieved thanks to its internal design and special floats.

The standard precision is $\pm 1.6\%$ f.s.

This model can be equipped with the same electronic devices and accessories as the model SC250. The standard material is EN 1.4404 (SS 316L) for both the flow tube and the float. Plastic versions (PP, PVC, PTFE) and special instruments for high pressure and temperature applications are also available on request.

For more details about pressure and temperature limits, materials, etc. please refer to model SC250.

Working principle

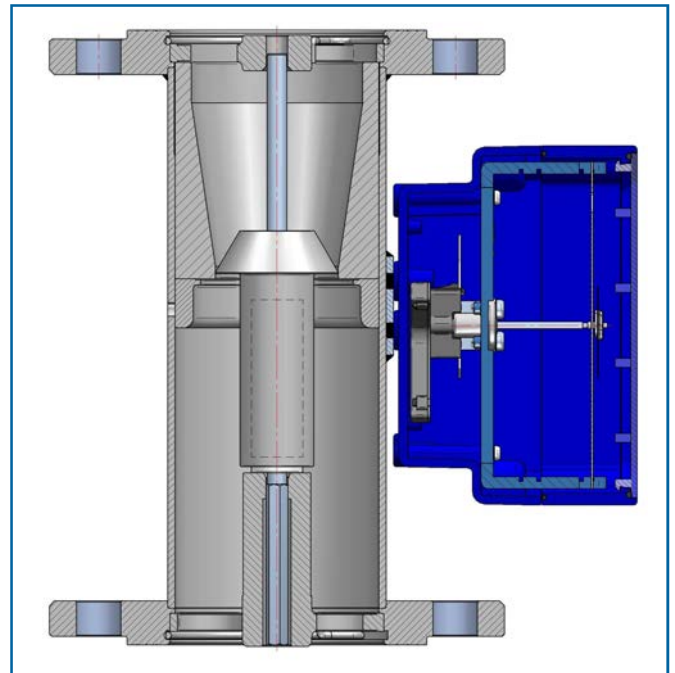
The metering system consists of a conical tube and a special T or V float. In this model, there is no calibrated orifice inside the tube. The force from the fluid, as it flows from the bottom to the top, displaces the float until it reaches an equilibrium point.

Operation

- Vertical with upwards flow (BD)

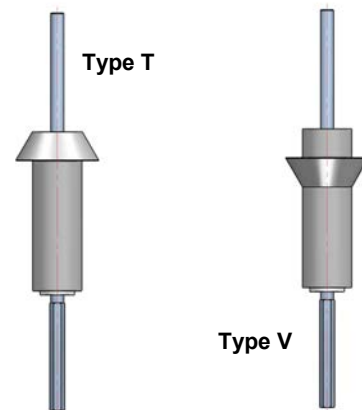
SM250 flow ranges

Size DIN (ANSI)	Tapered tube n°	Flow scales EN 1.4404 (SS 316L) float (7.95 g/cm ³) l/h water		Δp mbar	
		Type T	Type V	Type T	Type V
15 (½")	CM-13	6-60			
	CM-14	10-100			
	CM-15	16-160			
	CM-21	25-250	30-300	55	55
15 (¾")	CM-22	40-400	50-500	55	55
	CM-23	60-630	80-800	55	55
	CM-24	80-800	100-1000	60	60
25 (1")	CM-25	100-1000	130-1300	60	70
	CM-26	120-1200	160-1600	70	80
25 (1 ¼")	CM-31	160-1600	200-2000	70	100
	CM-32	200-2000	250-2500	90	120
	CM-33	250-2500	300-3000	110	160
40 (1 ½")	CM-41	300-3000	400-4000	45	60
	CM-42	400-4000	500-5300	55	80
50 (2")	CM-43	500-5000	650-6500	50	60
	CM-44	600-6000	800-8000	55	80
	CM-45	750-7500	1000-10000	70	100
65 (2 ½")	CM-51	1000-10000	1300-13000	60	80
	CM-52	1200-12000	1500-15000	70	90
80 (3")	CM-61	1600-16000	2000-20000	60	80
	CM-62	2000-20000	2500-25000	80	100



Tapered tube in EN 1.4404, PVC, PP or PTFE, according to flowmeter version

Float types



The constant section T & V floats are constructed in SS 316L, PVC, PP & PTFE as standard or other materials on request, according to the characteristics of the process fluid.

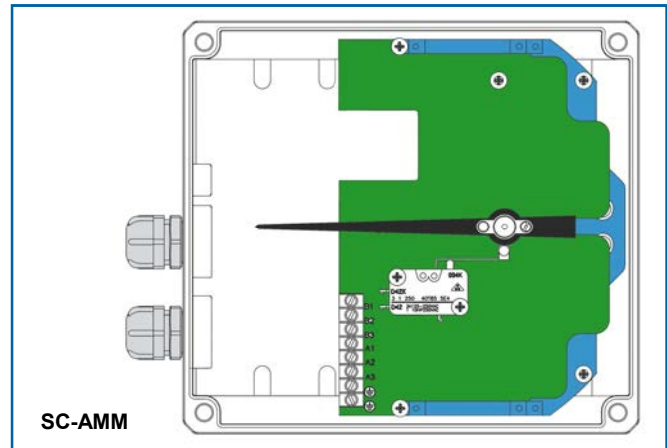
Limit switches

Adjustable limit switch SC-AMM

Electrical micro-switch mounted in the indicator housing.

- SC-AMM1 ... 2: 1 ... 2 adjustable limit switches
- Ratings: 3(1) A, 250 V (VDE/CEE)
- Hysteresis: $\pm 10\%$ of full scale value
- Ambient temperature: $-25^{\circ}\text{C} \dots +80^{\circ}\text{C}$
- Mechanical life: 10^7 operations

Gold plated contacts on order.



SC-AMM

Adjustable limit switch SC-AMD

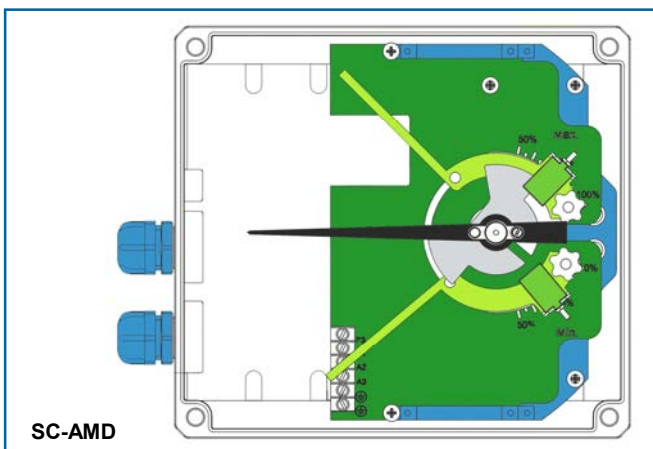
NAMUR (DIN19234) 3.5 mm slot type inductive detector activated by vane, mounted in the indicator housing.

- SC-AMD1 ... 2: 1 ... 2 adjustable limit switches
- Detector power supply: 8 VDC
- Ambient temperature: $-25^{\circ}\text{C} \dots +70^{\circ}\text{C}$

Control Relay (on request)

NAMUR (DIN19234) for 1 or 2 inductive detectors.

- Power supply: 24 ... 230 VAC 50-60 Hz
24 ... 250 VDC
- Input: NAMUR Ex ia IIC
- Output: 1 or 2 inductive detectors
- Output rating: 2 ... 5 A / 40 VDC
- Ambient temperature: $-25^{\circ}\text{C} \dots +70^{\circ}\text{C}$



SC-AMD



Modular housing

Transmitters and totalizers

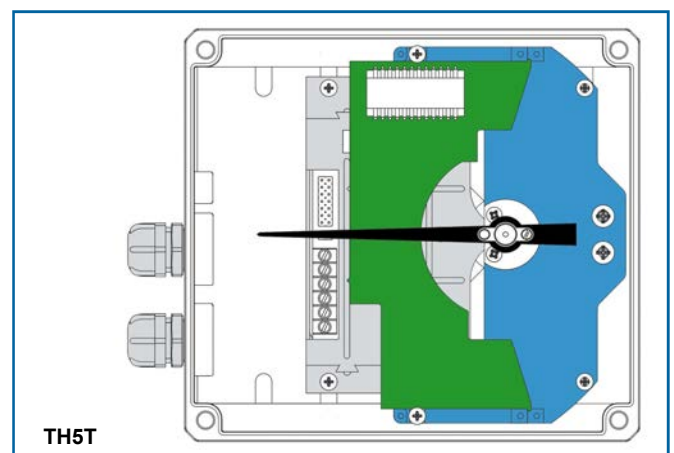
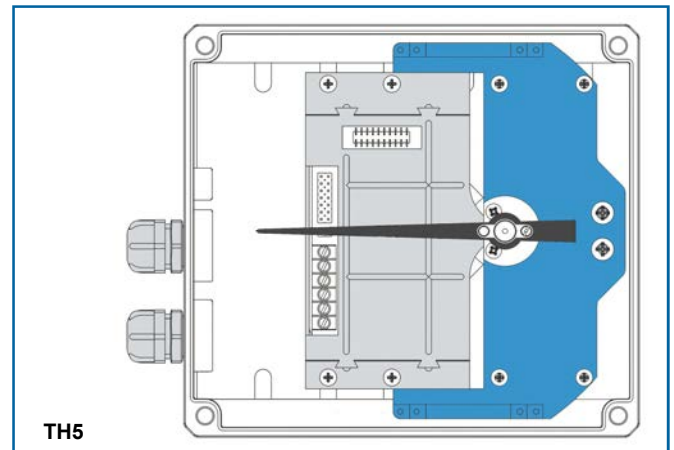
The HALLTEC V electronic transmitters provide an analog output proportional to the flow rate and a pulse output (except for the Ex versions). They can also include a display for volume totalization. They are based on the Hall effect and mounted inside the indicator housing.

HALLTEC V

- TH5 transmitter
- TH5H transmitter + HART™
- TH5T transmitter + totalizer
- TH5TH transmitter + totalizer + HART™

Technical characteristics

- Power supply: 2-wire system, 12 ... 36 VDC
- Power consumption: max. 20 mA
- Outputs:
 - **Analog output (4-20 mA):**
 - Error: < 0.6% of the magnet position
 - Maximum load in 4-20 mA loop: 1.1 kΩ (with 36 VDC power supply)
 - **Pulse output:** Potential free N channel MOSFET
 - I_{max}: 200 mA
 - Max. frequency 2 Hz
 - Pulse duration approx. 250 ms
- Totalizer: 8 digits, 4.5 mm high
Reset by potential free contact
- Ambient temperature: -5°C ... +70°C



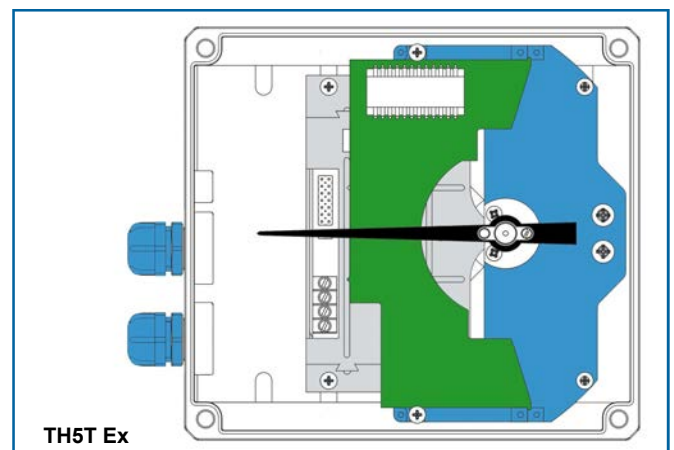
HALLTEC V

ATEX (Ex ia IIC T4 or T6)

- TH5 Ex transmitter
- TH5T Ex transmitter + totalizer
- TH5H Ex transmitter + HART™
- TH5TH Ex transmitter + totalizer + HART™

Technical characteristics

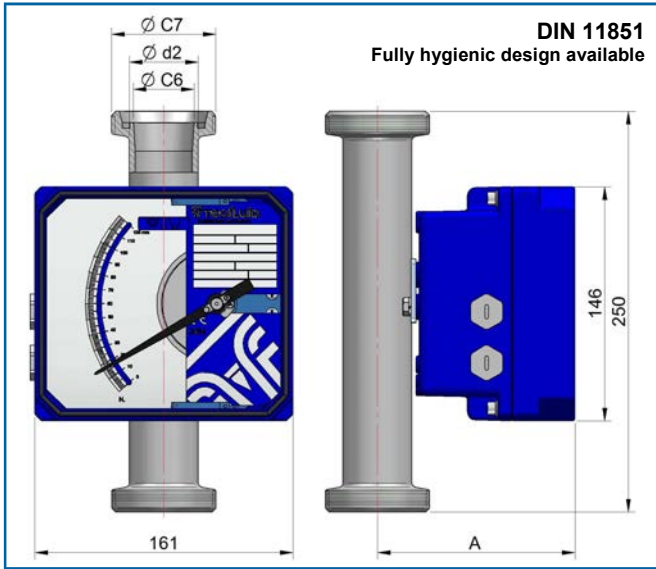
- ATEX certification II 1 GD
- Power consumption: 4-20 mA for 0 ... 100% of scale
- Output:
 - **Analog output (4-20 mA):**
 - Error: < 0.6% of the magnet position
 - Maximum load in 4-20 mA loop: 700 Ω (with 24 VDC power supply)
- Totalizer: 8 digits, 4.5 mm high
Reset by potential free contact
- Ambient temperature: -5°C ... +40°C



The Halltec V Exi transmitters belong to group II. They are intended for use in potentially explosive atmospheres, except in mining

Both limit switches (AMM or AMD) and electronic transmitters TH5 or TH5T can be mounted together in the same housing.

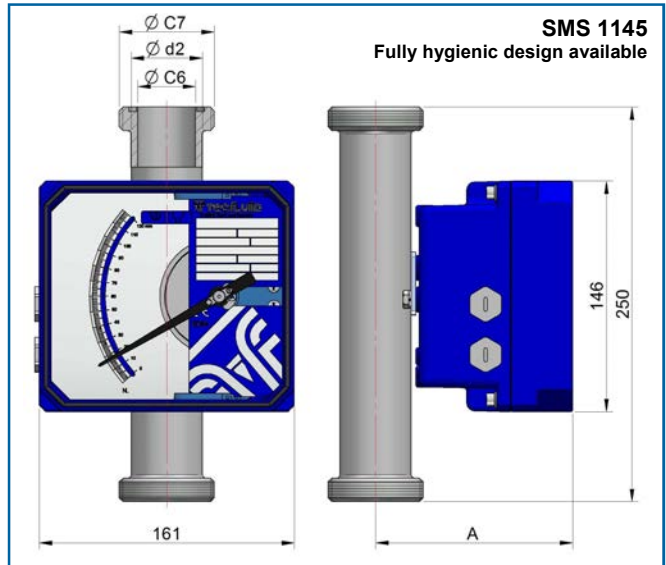
SC250 models with sanitary and threaded fittings



DIN 11851

EN 1.4404 (SS 316L)

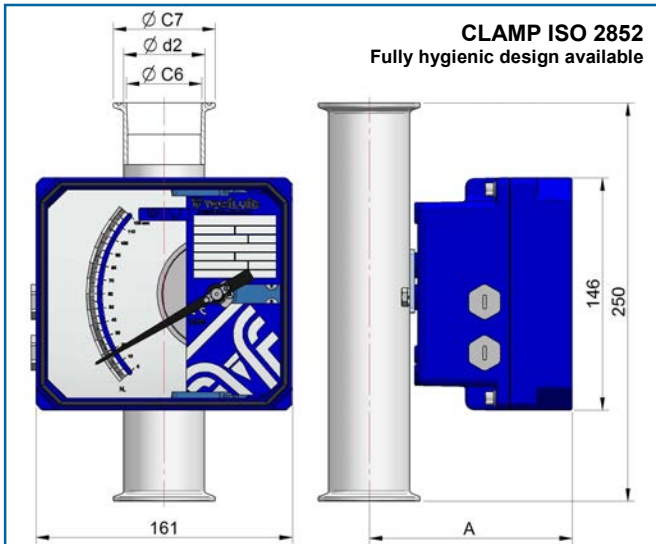
NW - DN	15	25	40	50	65	80	100
Ø C ₇	Rd 34 x 1/8"	Rd 52 x 1/6"	Rd 65 x 1/6"	Rd 78 x 1/6"	Rd 95 x 1/6"	Rd 110 x 1/4"	Rd 130 x 1/4"
Ø C ₆	17	24.8	35.6	45.8	67	82.8	100
Ø d ₂	21.3	30	42	51	73	88.9	108
A	114	118	124	129	140	148	157
DIN EQUIV.	15(PC)*	15	25	40	50-65	80	100



SMS 1145

EN 1.4404 (SS 316L)

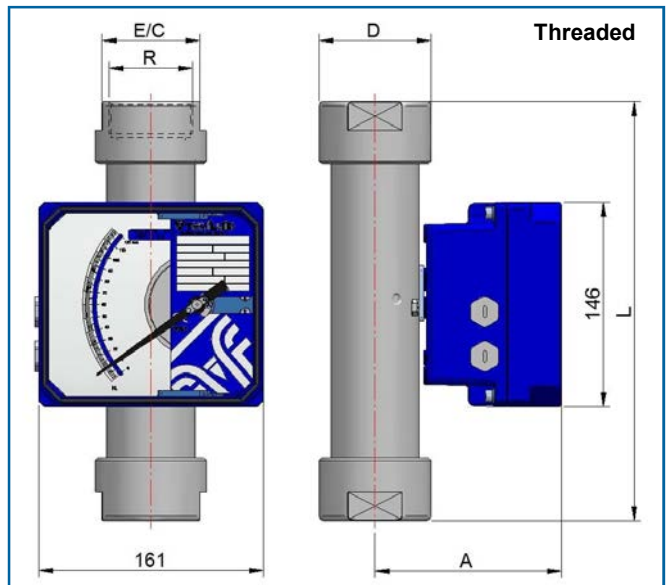
NW - DN	15	25	40	50	65	100
Ø C ₇	40	60	70	85	98	125
Ø C ₆	22.5	35.5	48.5	60.5	72	100
Ø d ₂	25	42	51	63.5	73	108
A	115	124	129	135	140	157
DIN EQUIV.	15	25	40	50	65	100



CLAMP ISO 2852

EN 1.4404 (SS 316L)

NW - DN	15	25	40	50	65	80	100
Ø C ₇	34	50.5	50.5	64	77.5	91	106
Ø C ₆	17	24.8	35.6	45.8	58.3	67	82.8
Ø d ₂	21.3	30	42	51	63.5	73	88.9
A	114	118	124	129	135	140	148
DIN EQUIV.	15(PC)*	15	25	40	50	65	80



BSP or NPT

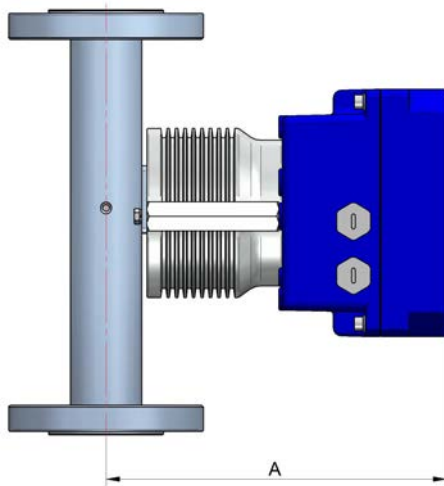
EN 1.4404 (SS 316L)

R	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"
L	275	275	285	300	300	310	310	310
D	35	40	50	65	80	90	110	130
A	114	118	124	129	135	140	146	156
E/C	30	35	45	60	70	84	104	124
DIN EQUIV.	15(PC)*	15	25	40	50	65	80	100

*Maximum flow rate 250 l/h H₂O

Accessories

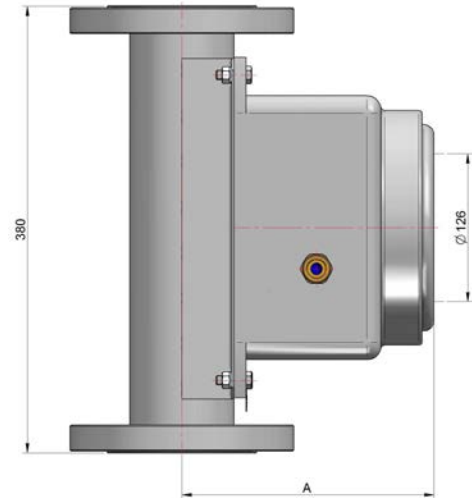
Thermal separator



DN	15	25	40	50	65	80	100	125	150
A	177	183	187	194	198	207	216	228	241

- Standard in aluminium, optional in EN 1.4404 (SS 316L)
- For working with fluids at high and low temperatures
- With electronics:
 - DN15 ... DN65: -180°C ... +300°C
 - DN80 ... DN150: -180°C ... +260°C
- Without electronics: DN15 ... DN150: -180°C ... +400°C
- Reference ambient temperature: 20°C

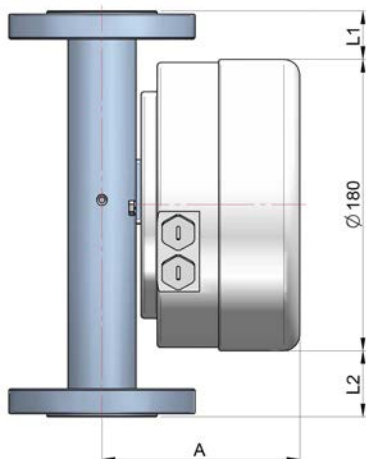
Explosion proof enclosure Ex d IIC T6



DN	15	25	40	50	65	80	100	125	150
A	195	201	205	212	216	224	234	246	260

- Porthole with glass for viewing the flow rate
- In the inside, the SC250 ... SM250 housing with standard limit switches and transmitters
- Explosion proof protection: Ex d IIC T6
- Ingress protection: IP65
(Pending of certification)

Stainless steel housing



DN	15	25	40	50	65	80	100	125	150
L1	30	30	30	30	30	30	35	35	60
L2	40	40	40	40	40	40	35	35	60
A	115	121	125	132	137	145	154	167	180



- Specially indicated for working within sanitary or sterile installations, saline atmospheres (marine platforms), etc.
- All stainless steel construction EN 1.4404 (SS 316L), with glass window
- Can fit standard limit switches and Halltec transmitters
- Ingress protection: IP67

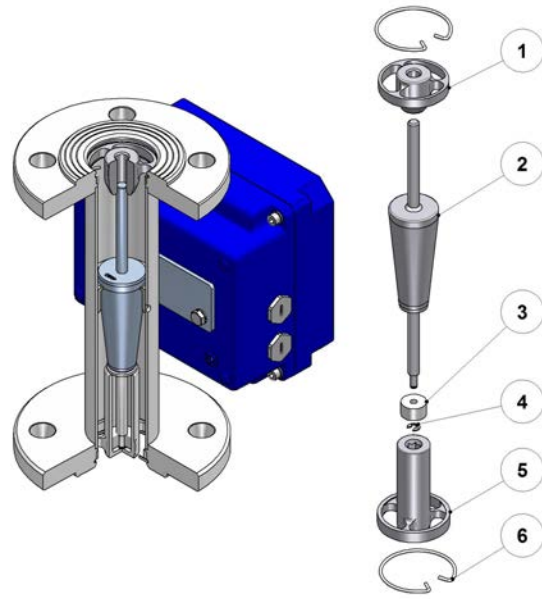


Float damping system (for gas and steam applications)

Ceramic, PEEK or metallic piston system for avoiding float oscillations in flowmeters for gas and steam service, obtaining stable readings even with very low working pressures and low gas densities.

Available for DN15 ... DN80

1. Upper float stop
2. Float
3. Piston
4. Piston locking circlip
5. Guide cylinder
6. Circlips for locking upper float stop & guide cylinder



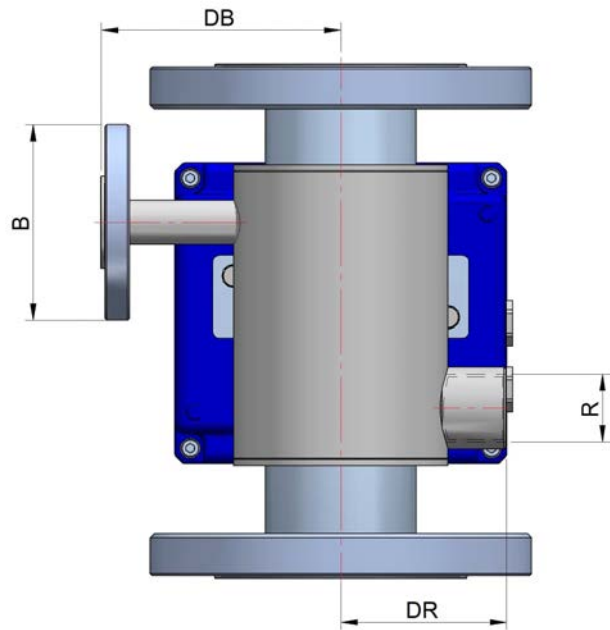
Heating-cooling chamber

For installations that require maintaining the process fluid temperature by means of the circulation of a heating or cooling fluid through the double chamber of the flowmeter.

- Without contact with the process fluid
- Flanged or threaded pipe fittings (BSP, NPT, DIN 2501)
Other standards on request
- Pipe fitting diameters according to the table below
- Stainless steel EN 1.4404 (SS 316L)
Other materials on request

Size	15(PC)	15	25	40	50	65	80	100	125	150
R	1/2"	1/2"	1/2"	3/4"	3/4"	1"	1"	1"	1"	1"
B*	DN15	DN15	DN15	DN20	DN20	DN25	DN25	DN25	DN25	DN25
DR	35	39	45	50	50	56	70	80	91	104
DB	77	77	88	105	112	122	130	140	155	172

* PN16 DIN2501 flanges (others on request)



Quality Assurance System ISO 9001 certified by **Applus[®]**
 Pressure Equipment Directive 97/23/CE certified by **Lloyds Register**
 ATEX Directive 94/9/CE certified by **LOM**



TECFLUID, S.A. design and manufacture instrumentation for flow and level measurement using the most advanced techniques. May you need more information, please contact us.

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The technical data described in this specification sheet is subject to modification without notification if the technical innovations in the manufacturing processes so require.