



Series PT / PS
Plastic tube variable area
flowmeters



- * 4 l/h ... 50 m³/h H₂O
- * 200 NI/h ... 1500 Nm³/h air
- * Accuracy: 4% ... 6% ($q_c=50\%$)
- * Materials:
 - Flow tube: plastic Polysulfone, Trogamid® T or NAS®
 - Connections: PVC, PP, steel, EN 1.4404 (AISI 316L)
- * 1 or 2 switches
- * 0 ... 4-20 mA output (max. resolution 18 points)
- * Ex version and HART®, Profibus or Fieldbus protocols on request



Series 2000
Glass tube variable area flowmeters
for low flows



- * 0.1 l/h ... 1000 l/h H₂O
- * 0.5 NI/h ... 30 Nm³/h air
- * Accuracy: 1.6% ... 3.5% ($q_c=50\%$)
- * Materials:
 - Flow tube: borosilicate glass
 - Connections: EN 1.4404 (AISI 316L)
- * 1 or 2 switches
- * Regulating valve
- * Constant flow regulator



Series 6000
Glass tube variable area
flowmeters



- * 2.5 l/h ... 50 m³/h H₂O
- * 50 NI/h ... 1500 Nm³/h air
- * Accuracy: 1.6% ($q_c=50\%$)
- * Materials:
 - Flow tube: borosilicate glass
 - Connections: steel, EN 1.4404 (AISI 316L), PVC, PP, PTFE, PVDF
- * 1 or 2 switches
- * 0 ... 4-20 mA output (max. resolution 18 points)
- * Ex version and HART®, Profibus or Fieldbus protocols on request



Series 60M1
Glass tube variable area
flowmeters for low flows



- * 0.1 l/h ... 100 l/h H₂O
- * 0.5 NI/h ... 3600 NI/h air
- * Accuracy: 3% ($q_c=50\%$)
- * Materials:
 - Flow tube: borosilicate glass
 - Connections: EN 1.4404 (AISI 316L)



Series PR
Orifice plate flowmeters



- * 2 m³/h ... 20000 m³/h H₂O
- * 30 Nm³/h ... 300000 Nm³/h air
- * Accuracy: ±4% f.s.
- * Materials: steel, EN 1.4404 (AISI 316L), PVC, PP
- * 1 or 2 switches
- * 0 ... 4-20 mA output
- * Ex version and HART®, Profibus or Fieldbus protocols on request depending on transmitter model



Series AD / VH
Flow indicators and switches



- * Series AD: 15 l/h ... 16000 l/h H₂O
300 NI/h ... 130 Nm³/h air
- * Series VH: DN32 ... DN500
- * Accuracy series AD: ±5% f.s.
- * Materials:
 - Series AD: brass, aluminium, EN 1.4404 (AISI 316L)
 - Series VH: EN 1.4404 (AISI 316L), PTFE
- * 1 ... 4 switches for Series AD
- * 4-20 mA output for Series AD
- * Ex version and HART® protocol on request



Series M21
Metal tube variable area
flowmeters for low flows



- * 0.4 l/h ... 1000 l/h H₂O
- * 12 NI/h ... 30 Nm³/h air
- * Accuracy: 4% ($q_c=50\%$)
- * Materials: EN 1.4404 (AISI 316L), Titanium
- * 1 or 2 switches
- * 4-20 mA output
- * Ex version and HART® protocol on request
- * Regulating valve
- * Constant flow regulator
- * Aluminium housing, optional in AISI 316L



Series SC250
Metal tube variable area flowmeters



- * 2.5 l/h ... 180 m³/h H₂O
- * 80 NI/h ... 5500 Nm³/h air
- * Accuracy: 2.5% ($q_c=50\%$) (1.6% ($q_c=50\%$) on request)
- * Materials: EN 1.4404 (AISI 316L), PVC, PP, PTFE, Titanium, Hastelloy C
- * 1 or 2 switches
- * 4-20 mA output
- * Totalizer
- * Ex version and HART® protocol on request
- * Aluminium housing, optional in AISI 316L or PP
- * Suitable for all flow directions
- * Programmable by means of PC and USB cable



Series DP
Target disk flowmeters



- * 0.8 m³/h ... 1600 m³/h H₂O
- * Accuracy:
 - DP65: $\pm 2.5\%$ f.s. ($\pm 1.6\%$ f.s. on request)
 - DP500: $\pm 4\%$ f.s.
- * Materials: Plastic coated steel, EN 1.4404 (AISI 316L)
- * 1 or 2 switches
- * 4-20 mA output
- * Totalizer
- * Ex version and HART® protocol on request
- * Aluminium housing, optional in AISI 316L or PP
- * Suitable for all flow directions
- * Programmable by means of PC and USB cable



Series CU
Ultrasonic flowmeters



- * Suitable for clear liquids and different pipe materials
- * Pipe sizes: DN80 ... DN2000
- * Accuracy: $\pm 1.5\%$ reading value ± 0.02 m/s
- * Power supply: 85 ... 265 VAC
- * Flow rate and speed indication
- * Programmable 4-20 mA output
- * Totalizer
- * 2 alarm outputs
- * Programmable by means of PC and USB cable



Series FLOMID
Electromagnetic flowmeters



- * Pipe sizes: DN3 ... DN600
Others on request
- * Accuracy: $\pm 0.5\%$ reading value
- * Materials:
 - Flow tube: EN 1.4301 (AISI 304)
 - Liner: PP, PVDF, Ebonite, PTFE
 - Electrodes: Hastelloy C, EN 1.4404 (AISI 316L), Zirconium, Titanium, Tantalum
- * Flow indication
- * Programmable 4-20 mA / Frequency outputs
- * Totalizer
- * 2 alarm outputs
- * Batching function (depending on converter)
- * HART® and Modbus RTU RS485 protocols on request
- * Programmable by means of PC and USB cable



Series FLOMAT
Insertion electromagnetic
flowmeters



- * Pipe sizes: DN40 ... DN2000
- * Accuracy: $\pm 3.5\%$ reading value
- * Materials:
 - Sensor: EN 1.4404 (AISI 316L), PVDF
 - Head: PVDF
 - Electrodes: EN 1.4404 (AISI 316L), Others on request
- * Flow indication
- * Programmable 4-20 mA / Frequency outputs
- * Totalizer
- * 2 alarm outputs
- * HART® and Modbus RTU RS485 protocols on request
- * Flomat-Tap accessory for maintenance purposes without flow interruptions
- * Programmable by means of PC and USB cable



Series TM
Turbine flowmeters



- * 300 l/h ... 650 m³/h H₂O
- * Accuracy: ±0.5% reading value
- * Materials: EN 1.4404 (AISI 316L)
- * Pick-up coil output signal
- * Associated electronics
 - Series CIP / CP
 - Series MC01 / MT02
 - Series APTM / DFD2
- * HART® protocol on request
- * Ex d IIC T6 version on request



Series COVOL
Oscillating piston flowmeters



- * 25 l/h ... 60 m³/h H₂O
- * Accuracy: ±0.8% reading value
- * Materials: EN 1.4404 (AISI 316L), PVC, PP, PTFE
- * Viscosity up to 120000 mPa·s
- * Reed switch output signal
- * Associated electronics
 - Series CIP / CP
 - Series MC01 / MT02
 - Series APTM / DFD2
- * HART® protocol on request
- * Ex d IIC T6 version on request



Series LT
Level indicators, transmitters and switches



- * Tank side mounted
- * Measuring range: 0.15 ... 15 m
- * Accuracy: ±4 mm reading value
- * Materials: EN 1.4404 (AISI 316L), PVC, PP, PTFE, PVDF
- * Adjustable switches. Optional with Ex d IIC T6 version
- * 4-20 mA output, Ex version and HART®, Profibus or Fieldbus protocols on request



Series CIP / CP
Associated electronics



- * Input for Series COVOL, TM and others
- * Power supply:
 - Series CIP: battery
 - Series CP: 24 VDC, 2-wire system
- * Series CIP:
 - CIP: totalizer
 - CIPII: non-resetable totalizer and resetable partial
- * Series CP: flow indication, totalizer, programmable 4-20 mA output
- * HART® protocol for CH420 models



Series MC01 / MT02 / DFD2 / APTM
Associated electronics



- * Input for Series COVOL and TM, as well as TTL and others
- * Power supply: 24, 110, 230, 240 VAC, 24 VDC
- * MC01: flow indication, totalizer, batching function with relay output, optional with 4-20 mA output
- * MT02: totalizer, batching function with relay output
- * DFD2: frequency divider with TTL 5V or optoisolated output
- * APTM: pulse amplifier with TTL 5V or optoisolated output



Series LP
Level displacers, transmitters and switches



- * Tank top or side mounted
- * Measuring range: 0.3 ... 6 m
- * Accuracy: ±5 mm reading value
- * Materials:
 - Body: EN 1.4404 (AISI 316L), Hastelloy C, Titanium
 - Rod: EN 1.4404 (AISI 316L), PVC, PP, PVDF, Hastelloy C, Titanium
- * 1 or 2 switches
- * 4-20 mA output
- * Ex version and HART® protocol on request
- * Aluminium housing, optional in AISI 316L or PP
- * Programmable by means of PC and USB cable



Series LTDR
Guided radar TDR level transmitters



- * Suitable for liquids and solids
- * Measuring range:
 - Single rod probe: 100 ... 3000 mm
 - Coaxial probe: 100 ... 6000 mm
 - Rope probe: 1 ... 20 m
- * Accuracy: ± 3 mm
- * Materials: EN 1.4404 (AISI 316L), PTFE coating on request
- * Power supply: 12 ... 30 VDC, 4-wire system
- * Programmable 4-20 mA output
- * 1 programmable alarm output
- * Extended temperature range version on request
- * Ex version on request



Series LU
Ultrasonic level transmitters



- * Suitable for liquids and solids
- * Measuring range:
 - Liquids: up to 12 m
 - Solids: up to 7 m
- * Accuracy: ± 2 mm (between 0.30 ... 2 m)
- * Materials: PP, PVDF
- * Power supply: 24 VDC, 2 or 4-wire system
- * Local or remote level indication
- * 2 programmable alarm outputs
- * Programmable 4-20 mA output
- * HART® protocol on request



Series LD
Vibrating fork level switches



- * Suitable for liquids and solids
- * Detection length: up to 2 m
- * Hysteresis: ± 2 mm (with H₂O)
- * Materials: EN 1.4404 (AISI 316L), HALAR® coating on request
- * Power supply: 24 ... 250 VAC / 10 ... 55 VDC
- * NAMUR Exi version and relay output on request



Series LC / LE
Float level switches and transmitters



- * Tank top mounted
- * Side mounted with special design
- * Measuring range: up to 6 m
- * Accuracy: ± 2 mm
- * Materials: EN 1.4404 (AISI 316L), PVC, PP, PTFE, PVDF
- * Ex version and HART®, Profibus or Fieldbus protocols on request
- * Series LC: 1 ... 6 switches depending on model
- * Series LE: 0 ... 4-20 mA output



Series LC40
Float level switches



- * Side mounted or tank top
- * Switching differential: 52 ... 1100 mm
- * Accuracy: ± 3 mm
- * Materials: EN 1.4404 (AISI 316L), PVC, PP, PTFE, PVDF
- * Alarm switches: micro-switch (AMM), reed switch (AMR), pneumatic switch (AMP), inductive detector (AMD)
- * Ex d IIC T6 version on request
- * Aluminium housing, optional in AISI 316L or PP



Series NPC
Level indicators



- * Measuring range: up to 15 m
- * Materials:
 - Pulleys: PVC
 - Float: PP, PVC, PVDF, EN 1.4404 (AISI 316L)
 - External counterweight-indicator: PVC
- * Local indication by means of external counterweight
- * Adjustable switches
- * 4-20 mA output, Ex version and HART®, Profibus or Fieldbus protocols on request