Flowmeters and Switches

Calorimetric Indicator/Switch
Stainless steel
Model: KAL-D

Water: 0.13 – 6.5 feet/Sec.
t_{max} 175 °F; p_{max} 580 PSIG
Connection: ¼",½" NPT/BSP, M12

Calorimetric Indicator/Switch
Stainless steel
Model: KAL-K

Water: 0.13 – 6.5 feet/Sec.
t_{max} 250 °F; p_{max} 1,450 PSIG
Connection: ¼" to ¾" NPT

Calorimetric Transmitter/Switch
Stainless steel
Model: KAL-A(K)

Water: 0.13 – 6.5 feet/Sec.
t_{max} 175 °F; p_{max} 1,450 PSIG
Connection: ¼" to ¾" NPT
Linearity: ±10 % of full scale

Caliometric Indicator/Switch Sanitary
Stainless steel
Model: KAL-K-3A

Water: 0.13 – 6.5 feet/Sec.
t_{max} 280 °F CIP; p_{max} 580 PSIG
Connection: 1½" Tri-Clamp®

Calorimetric Indicator/Switch
Brass, stainless steel
Model: KAL, KAL-E

Water: 0.13 – 6.5 feet/Sec.
t_{max} 250 °F; p_{max} 1,450 PSIG
Connection: ¼" to 1½" NPT

Calorimetric Indicator/Switch for Air/HVAC
Brass
Model: KAL-L

Air: 3.5 – 65 feet/Sec.
t_{max} 250 °F; p_{max} 100 PSIG
Connection: ½" NPT, duct flange
Linearity : 10 % of full scale

Mass Flowmeter - Thermal
Nylon, stainless steel
Model: MAS

Air: 0 – 10 SCCM to 0 – 500 SLPM
t_{max} 120 °F; p_{max} 500 PSIG
Connection:
¼" or ½" NPT, ¼" or ½" Swagelok®
Accuracy: ±1.5 % of full scale

Mass Flowmeter/Controller Thermal
Nylon, stainless steel
Model: MFC

Air: 0 – 20 SCCM to 0 – 50 SLPM
t_{max} 120 °F; p_{max} 145 PSIG
Connection: ¼" NPT, ⅛" or ¼" Swagelok®
Accuracy: ±1.5 % of full scale

Mass Flowmeter/Controller Thermal
Stainless steel
Model: DMS

Air: 0 – 10 SCCM to 0 – 200 SLPM
t_{max} 120 °F; p_{max} 500 PSIG
Connection:
¼" or ½" NPT, ⅛" to ½" compression
Accuracy: ±1 % of full scale

Mass Flowmeter - Thermal
Stainless steel
Model: KES

Air: 0 – 15 feet/Sec. to 0 – 300 feet/Sec.
t_{max} 175 °F; p_{max} 145 PSIG
Connection: ½" to 3" NPT, ½" to 8" ANSI
Accuracy: ±1.0% of full scale
±0.5% of reading

Mass Flowmeter - Coriolis
Stainless steel
Model: TME

Water:
0 – 430 Lb./Hr. to 0 – 132,000 Lb./Hr.
t_{max} 350 °F; p_{max} 580 PSIG
Connection: ½" to 3" ANSI
Accuracy: ±0.15 – 0.5 % of reading

Mass Flowmeter - Coriolis
Stainless steel, Hastelloy
Model: TMU

Water:
0 – 1,320 Lb./Hr. to 0 – 2,200 Tons/Hr.
t_{max} 500 °F; p_{max} 580 PSIG
Connection: ½" to 12" ANSI
Accuracy: ±0.1 – 0.5% of reading

Flowmeters and Switches

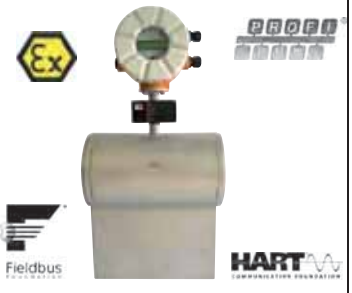
Mass Flowmeter - Coriolis with Heating Jacket
Stainless steel, Hastelloy
Model: TMU-...AC

Water:
0 – 1,320 Lb./Hr. to 0 – 2,200 Tons/Hr.
t_{max} 500 °F; p_{max} 580 PSIG
Connection: ½" to 12" ANSI
Accuracy: ±0.1 – 0.5 % of reading

Mass Flowmeter - Coriolis
Stainless steel, Hastelloy, Monel, tantalum, nickel
Model: TM

Water: 0 – 18 Lb./Hr. to 0 – 140,000 Lb./Hr.
t_{max} 500 °F; p_{max} 580 PSIG
Connection: ¼" to ½" NPT, ½" to 4" ANSI
Accuracy: ±0.1 – 0.5 % of reading

Mass Flowmeter - Coriolis
Stainless steel, Hastelloy, Monel, tantalum, zirconium
Model: TMR



Viscosity range: 0.3 – 50,000 cSt.
Water:
0 – 2,600 Lb./Hr. to 0 – 54,500 Lb./Hr.
t_{max} 500 °F; p_{max} 1,440 PSIG
Connection: ½" to 4" ANSI
Accuracy: ±0.1 – 0.15 % of reading

Orifice - Differential Pressure
Bronze, stainless steel
Model: RCD-...Z

Water: 0.2 – 0.88 GPM to 100 – 600 GPM
Air: 0.3 – 3 SCFM to 250 – 1,650 SCFM
t_{max} 210 °F; p_{max} 580 PSIG
Connection: ½" to 3" NPT
Accuracy: ±3 % of full scale

Orifice Differential Pressure Flowmeter - Compact Electronics
Bronze, stainless steel
Model: RCD-...C3

Water: 0.2 – 0.88 GPM to 100 – 600 GPM
Air: 0.3 – 3 SCFM to 250 – 1,650 SCFM
t_{max} 210 °F; p_{max} 580 PSIG
Connection: ½" to 3" NPT
Accuracy: ±3 % of full scale

Orifice Differential Pressure Flowmeter - Digital Display
Bronze, stainless steel
Model: RCD-...K

Water: 0.2 – 0.88 GPM to 100 – 600 GPM
Air: 0.3 – 3 SCFM to 250 – 1,650 SCFM
t_{max} 210 °F; p_{max} 580 PSIG
Connection: ½" to 3" NPT
Accuracy: ±3 % of full scale

Orifice Differential Pressure Flowmeter
Bronze, Monel, stainless steel
Model: RCM

Water: 0.3 – 2 GPM to 400 – 3,000 GPM
Air: 1.5 – 10 SCFM to 3,000–20,000 SCFM
t_{max} 212 °F; p_{max} 180 PSIG
Connection:
½" to 3" NPT, ½" to 8" ANSI wafer
Accuracy: ±3 % of full scale

Orifice Differential Pressure Flowmeter/Switch
Brass, stainless steel
Model: KEL

Water: 0.1 – 0.5 GPM to 400 – 2,000 GPM
t_{max} 250 °F; p_{max} 230 PSIG
Connection:
½" to 1½" NPT, ½" to 8" ANSI wafer
Accuracy: ±5 % of full scale

Electromagnetic - Insertion
Stainless steel, PTFE- or PFA-lining
Model: PIT

Water: 0 – 32 feet/Sec.
t_{max} 300 °F; p_{max} 580 PSIG
Connection: weld-on, 2" or 3" ANSI
Accuracy:
±1.5% of reading ±0.5% of full scale

Electromagnetic - Insertion with Hot-Tap Mechanism
Stainless steel, PTFE- or PFA-lining
Model: PIT-U

Water: 0 – 32 feet/Sec.
t_{max} 300 °F; p_{max} 580 PSIG
Connection: weld-on, 2" or 3" ANSI
Accuracy:
±1.5% of reading ±0.5% of full scale

Electromagnetic In-line Flowmeter
Lining: hard rubber, soft rubber, Wagunit, PTFE
Model: DMH

Water: 0 – 1.7 GPM to 0 – 11,000 GPM
t_{max} 300 °F; p_{max} 580 PSIG
Connection: ¾" to 12" ANSI
Accuracy: ±0.3% of full scale

Electromagnetic - Switch
PPS/Stainless steel, PVDF/Hastelloy/Tantalum
Model: MIK-...S3

High Quality - Low Cost

Water:
0.18 – 7.8 GPH to 9.5 – 180 GPM
t_{max} 175 °F; p_{max} 145 PSIG
Connection: ¼" to 2" NPT or glue socket
Accuracy: ±2 % of full scale

Electromagnetic - Pulse Output
PPS/Stainless steel, PVDF/Hastelloy/ Tantalum
Model: MIK-...F3
High Quality - Low Cost

Water:
0.18 – 7.8 GPH to 9.5 – 180 GPM
t_{max} 175 °F; p_{max} 145 PSIG
Connection: ¼" to 2" NPT or glue socket
Accuracy: ±2 % of full scale

Electromagnetic Compact Electronics
PPS/Stainless steel, PVDF/Hastelloy/ Tantalum
Model: MIK-...C3
High Quality - Low Cost

Water:
0.18 – 7.8 GPH to 9.5 – 180 GPM
t_{max} 175 °F; p_{max} 145 PSIG
Connection: ¼" to 2" NPT or glue socket
Accuracy: ±2 % of full scale

Electromagnetic - Totalizer
PPS/Stainless steel, PVDF/Hastelloy/ Tantalum
Model: MIK-...E
High Quality - Low Cost

Water:
0.18 – 7.8 GPH to 9.5 – 180 GPM
t_{max} 175 °F; p_{max} 145 PSIG
Connection: ¼" to 2" NPT or glue socket
Accuracy: ±2 % of full scale

Electromagnetic - Batch Controller
PPS/Stainless steel, PVDF/Hastelloy/ Tantalum
Model: MIK-...G
High Quality - Low Cost

Water:
0.18 – 7.8 GPH to 9.5 – 180 GPM
t_{max} 175 °F; p_{max} 145 PSIG
Connection: ¼" to 2" NPT or glue socket
Accuracy: ±2 % of full scale

Vortex - Switch
PPS/Brass, PPS/Stainless steel
Model: DVZ-...S3
High Quality - Low Cost

Water: 0.13 – 1.2 GPM to 2.6 – 26.5 GPM
t_{max} 175 °F; p_{max} 145 PSIG
Connection: ¼" to 1" NPT
Accuracy: ±2.5 % of full scale

Vortex - Analog Output
PPS/Brass, PPS/Stainless steel
Model: DVZ-...L
High Quality - Low Cost

Water: 0.13 – 1.2 GPM to 2.6 – 26.5 GPM
t_{max} 175 °F; p_{max} 145 PSIG
Connection: ¼" to 1" NPT
Accuracy: ±2.5 % of full scale

Vortex - Analog Output
PPS/Brass, PPS/Stainless steel
Model: DVZ-...L4 with AUF
High Quality - Low Cost

Water: 0.13 – 1.2 GPM to 2.6 – 26.5 GPM
t_{max} 175 °F; p_{max} 145 PSIG
Connection: ¼" to 1" NPT
Accuracy: ±2.5 % of full scale

Vortex - Pulse Output
PPS/Brass, PPS/Stainless steel
Model: DVZ-...F3
High Quality - Low Cost

Water: 0.13 – 1.2 GPM to 2.6 – 26.5 GPM
t_{max} 175 °F; p_{max} 145 PSIG
Connection: ¼" to 1" NPT
Accuracy: ±2.5 % of full scale

Vortex - Compact Electronic
PPS/Brass, PPS/Stainless steel
Model: DVZ-...C3
High Quality - Low Cost

Water: 0.13 – 1.2 GPM to 2.6 – 26.5 GPM
t_{max} 175 °F; p_{max} 145 PSIG
Connection: ¼" to 1" NPT
Accuracy: ±2.5 % of full scale

Vortex - Totalizer
PPS/Brass, PPS/Stainless steel
Model: DVZ-...E
High Quality - Low Cost

Water: 0.13 – 1.2 GPM to 2.6 – 26.5 GPM
t_{max} 175 °F; p_{max} 145 PSIG
Connection: ¼" to 1" NPT
Accuracy: ±2.5 % of full scale

Vortex - Batch Controller
PPS/Brass, PPS/Stainless steel
Model: DVZ-...G
High Quality - Low Cost

Water: 0.13 – 1.2 GPM to 2.6 – 26.5 GPM
t_{max} 175 °F; p_{max} 145 PSIG
Connection: ¼" to 1" NPT
Accuracy: ±2.5 % of full scale

Vortex - Meter
Stainless steel
Model: PWL

Air: 1.7 – 13 SCFM to 950 – 10,800 SCFM
t_{max} 750 °F; p_{max} 580 PSIG
Connection: ¾" to 12" ANSI
Accuracy: ±1 % of reading

Flowmeters and Switches

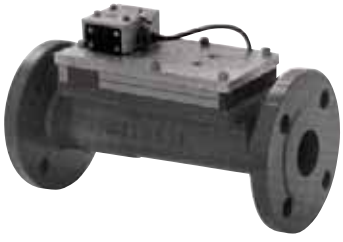
Oscillation - Meter/Switch
Cast iron, steel, stainless steel
Model: DOG-1

Air: 0.2 – 20 m³N/h to 160 – 16000 m³N/h
t_{max} 250 °F; p_{max} 580 PSIG
Connection: 1" to 16" ANSI
Accuracy: ±1.5 % of reading

Oscillation - Meter/Switch
Cast iron, steel, stainless steel
Model: DOG-3

Air: 0.4 – 20 m³N/h to 400 – 20000 m³N/h
t_{max} 250 °F; p_{max} 580 PSIG
Connection: 1" to 16" ANSI wafer
Accuracy: ±1.5 % of reading

Oscillation - Meter/Switch
Cast iron, steel, stainless steel
Model: DOG-2



Water:
0.075 – 3.75 m³/h to 70 – 3500 m³/h
t_{max} 250 °F; p_{max} 580 PSIG
Connection: 1" to 16" ANSI
Accuracy: ±1.5 % of reading

Ultrasonic - Switch
Brass, stainless steel
Model: DUK-...S3

High Quality - Low Cost

Water: 0.02 – 5 GPM to 2.6 – 160 GPM
t_{max} 190 °F; p_{max} 145 PSIG
Connection: ¼" to 3" NPT
Accuracy: ±1.5 % of full scale

Ultrasonic - Analog Output
Brass, stainless steel
Model: DUK-...L4 with AUF

High Quality - Low Cost

Water: 0.02 – 5 GPM to 2.6 – 160 GPM
t_{max} 190 °F; p_{max} 145 PSIG
Connection: ¼" to 3" NPT
Accuracy: ±1.5 % of full scale

Ultrasonic - Pulse Output
Brass, stainless steel
Model: DUK-...F3

High Quality - Low Cost

Water: 0.02 – 5 GPM to 2.6 – 160 GPM
t_{max} 190 °F; p_{max} 145 PSIG
Connection: ¼" to 3" NPT
Accuracy: ±1.5 % of full scale

Ultrasonic - Compact Electronic-
Brass, stainless steel
Model: DUK-...C3

High Quality - Low Cost

Water: 0.02 – 5 GPM to 2.6 – 160 GPM
t_{max} 190 °F; p_{max} 145 PSIG
Connection: ¼" to 3" NPT
Accuracy: ±1.5 % of full scale

Ultrasonic - Totalizer/Batcher
Brass, stainless steel
Model: DUK-...E, G

High Quality - Low Cost

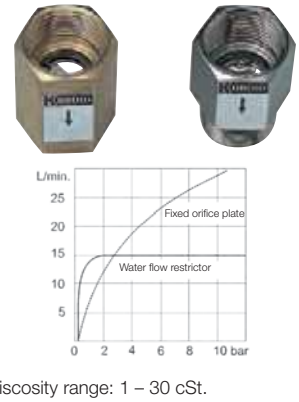
Water: 0.02 – 5 GPM to 2.6 – 160 GPM
t_{max} 190 °F; p_{max} 145 PSIG
Connection: ¼" to 3" NPT
Accuracy: ±1.5 % of full scale

Ultrasonic - Digital Display
Brass, stainless steel
Model: DUK-...K

High Quality - Low Cost

Water: 0.02 – 5 GPM to 2.6 – 160 GPM
t_{max} 190 °F; p_{max} 145 PSIG
Connection: ¼" to 3" NPT
Accuracy: ±1.5 % of full scale

Flow Regulators
Brass, stainless steel
Model: REG



Viscosity range: 1 – 30 cSt.
Flow rates: 0.25 – 7.93 GPM
t_{max} 570 °F; p_{max} 2,900 PSIG
Connection: ¾" NPT

Flow Regulators - Multiple Element
Brass, stainless steel
Model: REG-8

Viscosity range: 1 – 30 cSt.
Flow rates: 0.25 – 74 GPM
t_{max} 570 °F; p_{max} 2,900 PSIG
Connection: ¾" to 2" ANSI wafer

Flow Regulators - Multiple Element
Brass, stainless steel
Model: REG-9

Viscosity range: 1 – 30 cSt.
Flow rates: 0.25 – 74 GPM
t_{max} 570 °F; p_{max} 2,900 PSIG
Connection: 1½" to 2½" BSP