

The Kytola® Constant Flow Regulator Model 3631 is designed to provide a constant flow of liquids in applications where supply or back pressure varies. It also provides a constant flow of gases in applications where back pressure varies.



Model 3631 equipped with model L flow meter

- For liquid and gas
- High performance
- Reliable operation
- Easy maintenance
- Flow rate up to
24 USGPH H₂O
2.3 SCFM air

ISO 9001 ISO 14001

CONSTANT FLOW REGULATOR WITH ALARM 3631

The model 3631 is a membrane type differential pressure controller with alarm function. It is supplied with variable area flow meter model L for indicating and setting the flow rate.

FEATURES

- Adjustable alarm flow rate
- Aluminium or stainless steel construction
- Vertical installation
- Competitively priced

TYPICAL APPLICATIONS

- Water purging for instruments
- Air purging in level measurements
- Gas purging in Δp measurements

OPTIONS

- Thread adapters

Model	3631		
Max. flow	24 USGPH H ₂ O, 2.3 SCFM at 87 psig air 1.5 L/min H ₂ O, 60 NL/min at 6 bar(g) air	Weight	1.3 lbs (0.6 kg) aluminium body 2.6 lbs (1.2 kg) AISI 316 body
Max. differential pressure	145 psi (10 bar)	Membrane plate	Nylon (PA 6) (*PVDF)
Max. static pressure	290 psi (20 bar)	Membrane	EPDM
Minimum required pressure drop	29 psi (2 bar)	Mesh	PTFE
Max. temperature	167°F (75°C) / *176°F (80°C)	Seals	Nitrile (*Viton®, EPDM)
Body	Aluminium or stainless steel AISI 316	Alarm sensor	NAMUR or PNP/NPN (2-wire)
Spring	Stainless steel AISI 316	Connections	NPT 1/4" or BSP 1/4"
*) Special construction on request			

3631			
Body Material			
Aluminium	A		
AISI 316	H		
Connections			
NPT 1/4"	N		
BSP 1/4"	R		
Flow Tube			
Acrylic	A		
Grilamid TR55	G		
Trogamid-T	T		
Flow Range H₂O		Flow Range Air	
USGPH	L/min	SCFH	NL/min
0.2 – 1.3	15 – 80**	1.5 – 6	0.5 – 2.5*
0.2 – 2.0	0.01 – 0.13	1 – 14	0.5 – 6*
0.2 – 3.6	0.01 – 0.2	1 – 16	0.5 – 7*
0.5 – 5.5	0.025 – 0.35	2 – 24	1 – 10*
1 – 8.5	0.05 – 0.5	4 – 32	2 – 14*
2 – 12	0.1 – 0.75	7.5 – 45	3 – 20*
2 – 17	0.1 – 1	10 – 70	5 – 30*
4 – 26	0.2 – 1.6	20 – 120	10 – 50*
**mL/min			
Factory assigned model number for special range XX			
Scale			
H ₂ O L/min (20°C)	A		
H ₂ O USGPH (70°F)	N		
Relative scale 1–10	D		
Factory assigned model number for special scale XX			
Alarm Range			
H₂O USGPH	H₂O L/min	Air SCFH	Air NL/min
0 – 0.08...5.5	0 – 0.005...0.35	0 – 0.5...23*	0 – 0.2...10*
0 – 0.5...8	0 – 0.03...0.5	0 – 3.4...39*	0 – 1.5...17*
0 – 2.4...∞	0 – 0.15...∞	0 – 8...∞*	0 – 3.5...∞*
Sensors			
Without sensor	D		
PNP/NPN (2-wire)	F		
NAMUR	N		
Special Features			
Hand knob in valve	H		
Viton seals	V		

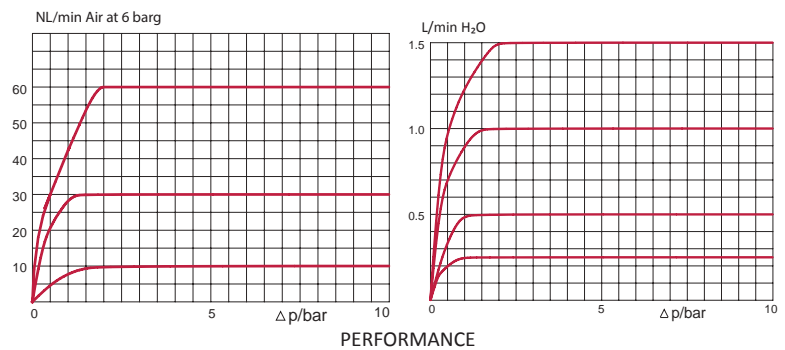
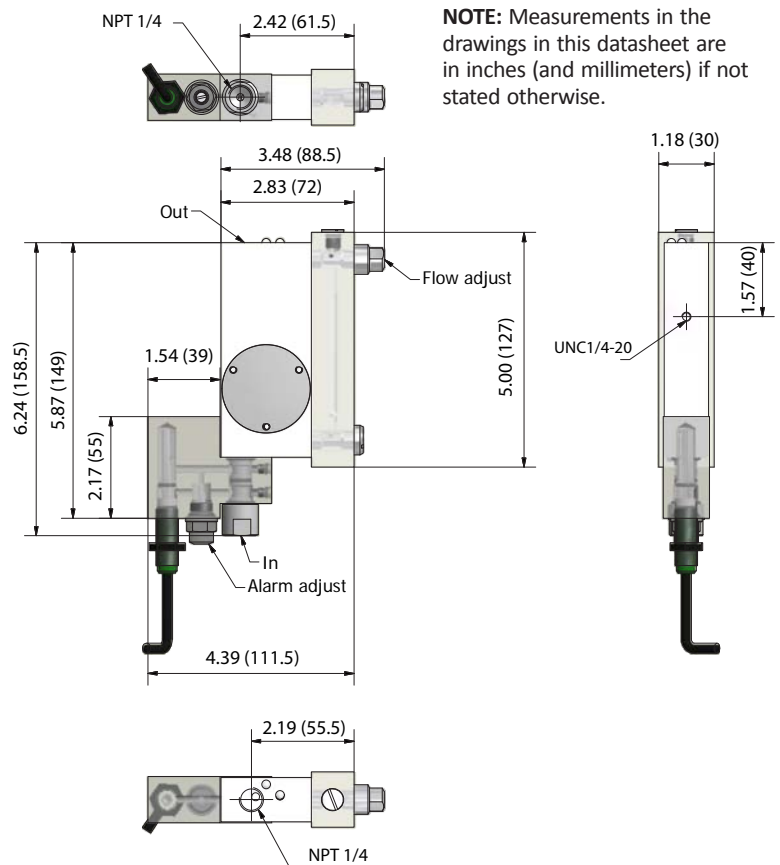
*Example air ranges at 70°F / 14.7 psia (20°C / 1.013 bar abs) for calibration purpose only

NOTE: When ordering special regulators (range or scale or both), process conditions must be mentioned as shown in the special product code example below.

NOTE: The gas scale always has to be calibrated according to the actual medium, inlet pressure, and temperature. Δp over the regulator must be ≥ 29 psi (2 bar).

PRODUCT CODE EXAMPLES

Standard product code	3631HRT8TAANHV
Special product code	3631ANAXXXAFH
Medium	CO ₂
Max flow rate	13 NL/min
Min flow rate	1 NL/min
Inlet pressure	5 bar(g)
Operating temperature	+20°C
Alarm flow rate	0 – 1...10 NL/min (adjustable 1...10 NL/min, always activated 0 – 1 NL/min)



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