

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 G 1/4"

*) Special construction on request

3631									
Body Material									
Aluminium (not for H ₂ O)		A							
AISI 316		H							
Connections									
NPT 1/4"			N						
G 1/4"			R						
Flow Tube									
Acrylic				A					
Grilamid TR55				G					
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*	4C					
0.2 – 2.0	0.01 – 0.13	1 – 14	0.5 – 6*	5K					
0.2 – 3.6	0.01 – 0.2	1 – 16	0.5 – 7*	5A					
0.5 – 5.5	0.025 – 0.325	2 – 24	1 – 10*	5B					
1 – 8.5	0.05 – 0.5	4 – 32	2 – 14*	5C					
2 – 12	0.1 – 0.75	7.5 – 45	3 – 20*	8T					
2 – 17	0.1 – 1	10 – 70	5 – 30*	8M					
4 – 26	0.2 – 1.6	20 – 120	10 – 50*	8P					
				**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*	A					
0 – 0.5...8	0 – 0.03...0.5	0 – 3.4...39*	0 – 1.5...17*	B					
0 – 2.4...∞	0 – 0.15...∞	0 – 8...∞*	0 – 3.5...∞*	C					
Sensors									
Without sensor				D					
PNP/NPN (2-wire) 10 – 55 VDC				F					
NAMUR				N					
Special Features									
Hand knob in valve				H					
Viton seals				V					

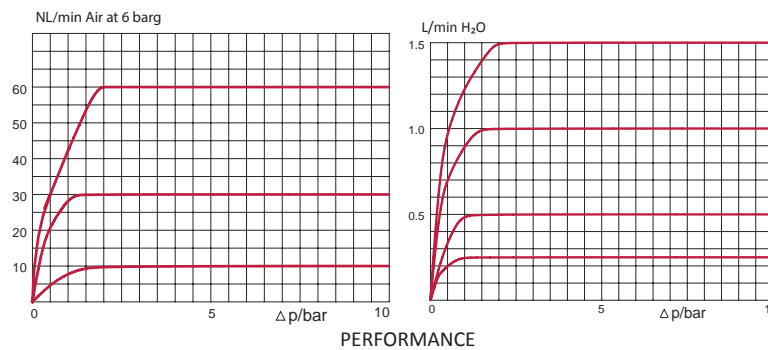
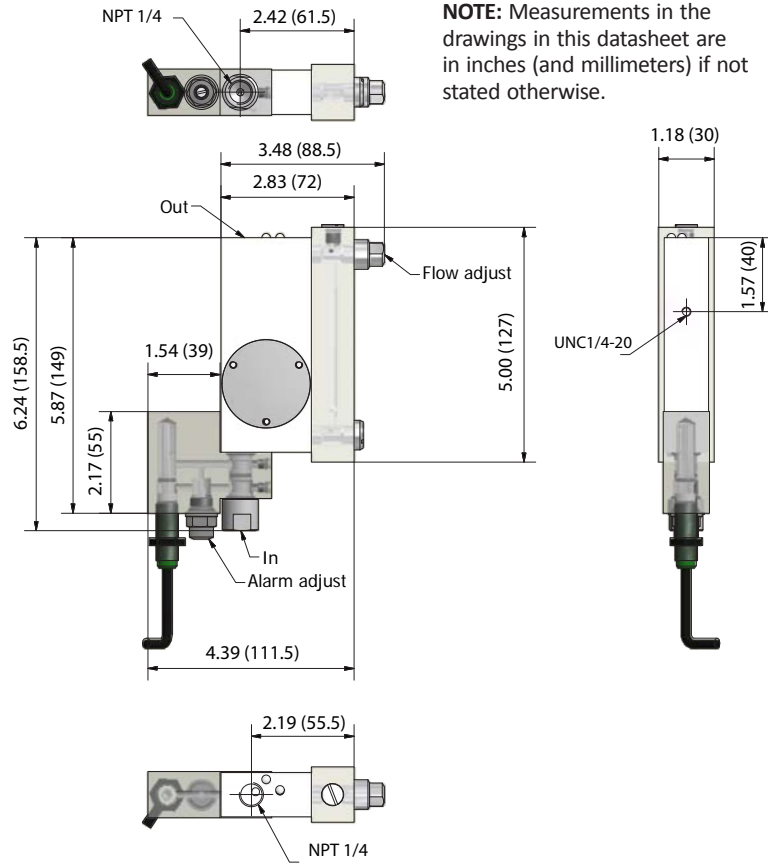
*Example air ranges at 70°F / 14.7 psia (20°C / 1.013 bar abs) for calibration purpose only

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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