

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 H<sub>2</sub>O  
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  $\Delta p$  measurements

### OPTIONS

Thread adapters

## Model 3631

Max. flow	24 USGPH H <sub>2</sub> O, 2.3 SCFM at 87 psig air 1.5 L/min H <sub>2</sub> 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. pressure difference	145 psi (10 bar)	Membrane plate	Nylon (PA 6) (*PVDF)
Max. static pressure	290 psi (20 bar)	Membrane	EPDM
Min. pressure difference	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									
<b>Body Material</b>									
Aluminium (not for H <sub>2</sub> O)	A								
AISI 316	H								
<b>Connections</b>									
NPT 1/4"	N								
G 1/4"	R								
<b>Flow Tube</b>									
Acrylic	A								
Grilamid TR55	G								
<b>Flow Range H<sub>2</sub>O</b>		<b>Flow Range Air</b>							
USGPH	L/min	SCFH	NL/min						
0.2 – 1.3	15 – 80**	1.5 – 6	0.5 – 2.5*	<b>4C</b>					
0.2 – 2.0	0.01 – 0.13	1 – 14	0.5 – 6*	<b>5K</b>					
0.2 – 3.6	0.01 – 0.2	1 – 16	0.5 – 7*	<b>5A</b>					
0.5 – 5.5	0.025 – 0.325	2 – 24	1 – 10*	<b>5B</b>					
1 – 8.5	0.05 – 0.5	4 – 32	2 – 14*	<b>5C</b>					
2 – 12	0.1 – 0.75	7.5 – 45	3 – 20*	<b>8T</b>					
2 – 17	0.1 – 1	10 – 70	5 – 30*	<b>8M</b>					
4 – 26	0.2 – 1.6	20 – 120	10 – 50*	<b>8P</b>					
		**mL/min							
Factory assigned model number for special range <b>XX</b>									
<b>Scale</b>									
H <sub>2</sub> O L/min (20°C)	A								
H <sub>2</sub> O USGPH (70°F)	N								
Relative scale 1–10	D								
Factory assigned model number for special scale <b>XX</b>									
<b>Alarm Range</b>									
H <sub>2</sub> O USGPH	H <sub>2</sub> O 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*	<b>A</b>					
0 – 0.5...8	0 – 0.03...0.5	0 – 3.4...39*	0 – 1.5...17*	<b>B</b>					
0 – 2.4...∞	0 – 0.15...∞	0 – 8...∞*	0 – 3.5...∞*	<b>C</b>					
<b>Sensors</b>									
Without sensor	D								
PNP/NPN (2-wire) 10 – 55 VDC	F								
NAMUR	N								
<b>Special Features</b>									
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 <sub>2</sub>
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)

