

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



Model 3631 equipped with model L flow meter

- For liquid and gas
- High performance
- Reliable operation
- Easy maintenance
- Max. flow
1,5 L/min H₂O
60 NL/min air (6 barg)

ISO 9001 ISO 14001

CONSTANT FLOW REGULATOR WITH ALARM **3631**

Model 3631 is a membrane type differential pressure controller with alarm function. It is supplied with Model L variable area flow meter for flow rate indication and setting.

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	1,5 L/min H ₂ O, 60 NL/min air at 6 bar(g)	Membrane plate	Nylon (PA 6) (*PVDF)
Max. differential pressure	10 bar	Membrane	EPDM
Max. static pressure	20 bar	Mesh	PTFE
Min. pressure difference	2 bar	Seals	Nitrile (*Viton, EPDM)
Max. temperature	75°C (*80°C)	Alarm sensor	NAMUR or PNP/NPN (2-wire)
Body	Aluminium or stainless steel AISI 316	Connections	G 1/4" or NPT 1/4"
Spring	Stainless steel AISI 316	Weight	0,6 kg (aluminium body), 1,2 kg (AISI 316 body)
*) Special construction on request			

3631**Regulator Material**

Aluminium (not for H₂O) **A**
 AISI 316 **H**

Connections

NPT 1/4" **N**
 G 1/4" **R**

Flow Tube Material

Acrylic **A**
 Grilamid TR55 **G**

Flow Range

H ₂ O L/min	Air NL/min*	
15 – 80 mL/min	(0,5 – 2,5)*	4C
0,01 – 0,13	(0,5 – 6)*	5K
0,01 – 0,2	(0,5 – 7)*	5A
0,025 – 0,325	(1 – 10)*	5B
0,05 – 0,5	(2 – 14)*	5C
0,1 – 0,75	(3 – 20)*	8T
0,1 – 1	(5 – 30)*	8M
0,2 – 1,6	(10 – 50)*	8P
Factory assigned model number for special range		XX

Scale

H₂O (L/min) at +20°C **A**
 Relative scale 1–10 **D**
 Factory assigned model number for special scale **XX**

Alarm Range

H ₂ O L/min	Air NL/min*	
0 – 0,005...0,35	(0 – 0,2...10)*	A
0 – 0,03...0,5	(0 – 1,5...17)*	B

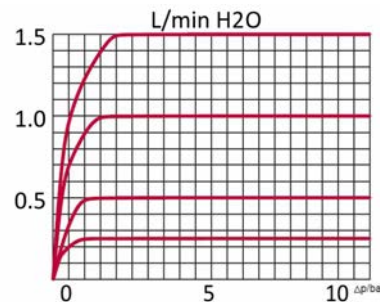
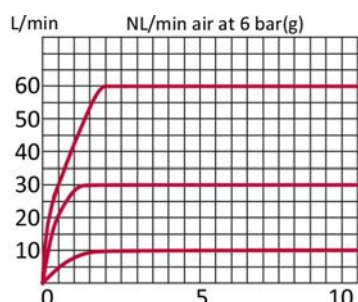
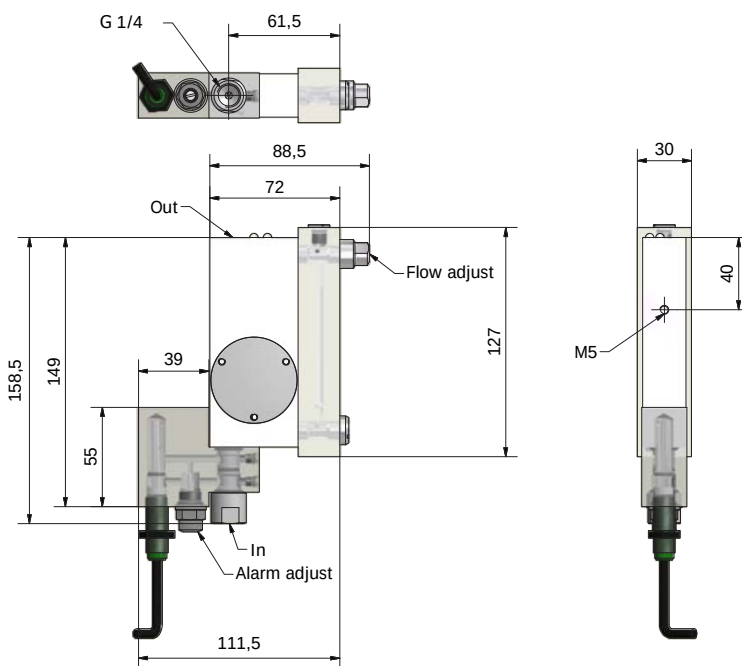
Sensors

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 +20°C / 1.013 bar (abs) for calibration purpose only.**



PERFORMANCE

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 ≥ 2 bar.

PRODUCT CODE EXAMPLES

Standard product code	3631HRT8TAANH V
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)