

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

H₂O 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

H₂O 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**

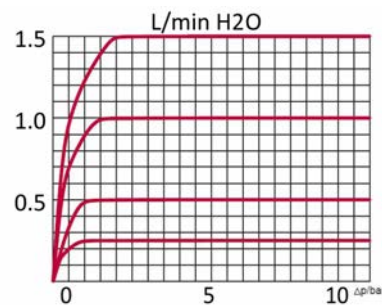
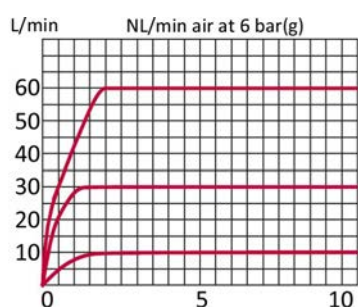
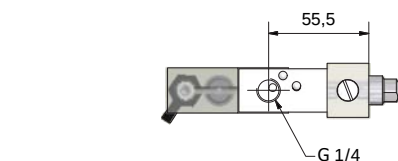
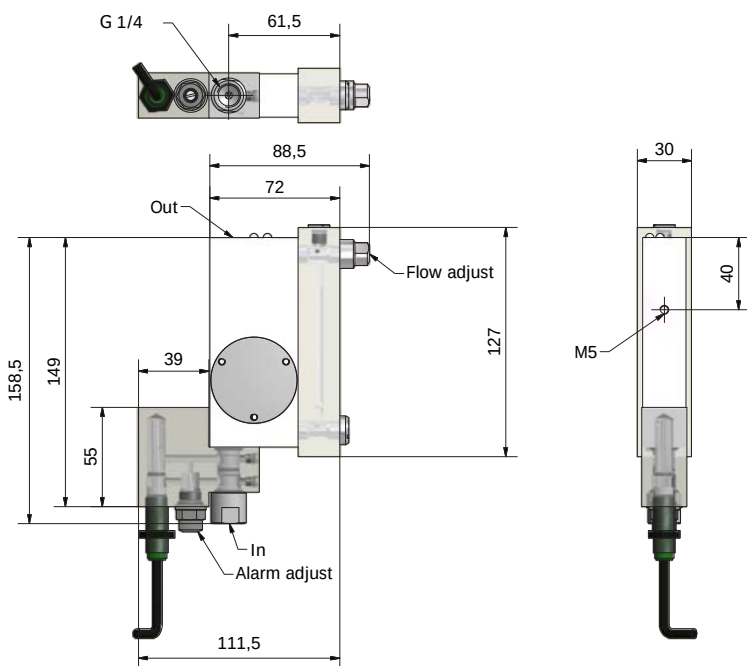
Sensors

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
 Special product code 3631ANAXXXAFH
 Medium CO₂
 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)