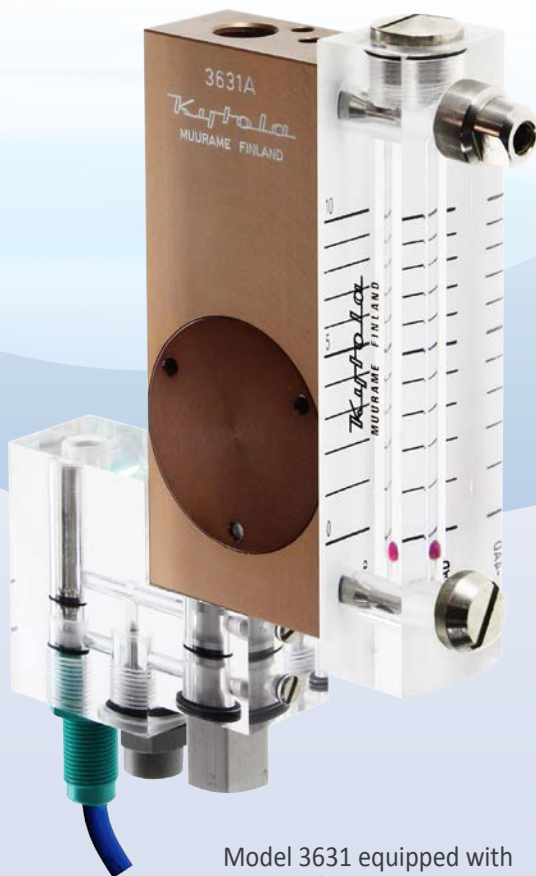


The Kytola® Constant Flow Regulator Model 3631 is designed to provide a constant flow of liquids in applications where supply or back pressure varies. It also provides a constant flow of gases in applications where back pressure varies.



Model 3631 equipped with model L flow meter

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

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	1.5 L/min H ₂ O, 60 NL/min air at 6 bar(g)	Mesh	PTFE
Max. differential pressure	10 bar	Body	Aluminium or stainless steel AISI 316
Max. static pressure	20 bar	Spring	Stainless steel AISI 316
Minimum required pressure drop	2 bar	Membrane	EPDM
Max. temperature	75°C (*80°C)	Alarm sensor	NAMUR or PNP/NPN (2-wire)
Plate	Nylon (PA 6)	Connections	BSP 1/4" or NPT 1/4"
Seals	Nitrile (*Viton, EPDM)	Weight	0.6 kg (aluminium body), 1.2 kg (AISI 316 body)
	*) Special construction on request		

Regulator Material		
Aluminium	A	
AISI 316	H	
Connections		
NPT 1/4"	N	
BSP 1/4"	R	
Flow Tube Material		
Acrylic	A	
Grilamid TR55	G	
Trogamid-T	T	
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 – 0.35	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		
H ₂ O (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
0 – 0.15...∞	0 – 3.5...∞*	C
Sensors		
Without sensor		D
PNP/NPN (2-wire)		F
NAMUR		N
Special Features		
Hand knob in valve		H
Viton seals		V

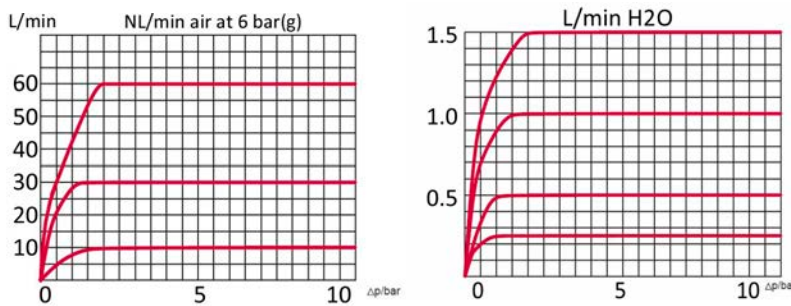
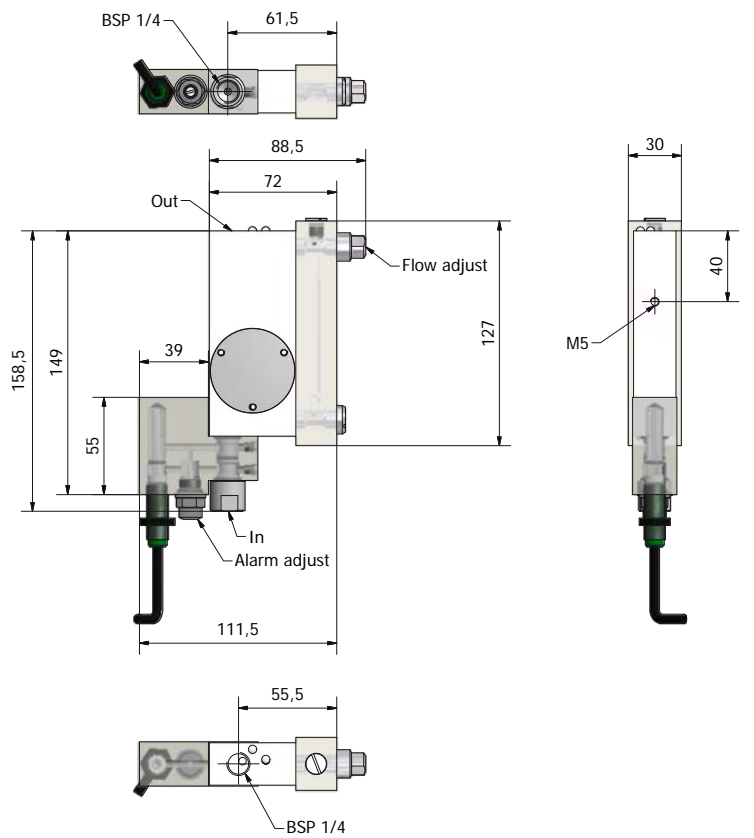
*Example air ranges at +20°C / 1.013 bar (abs) for calibration purpose only

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 ≥ 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)



PERFORMANCE



www.kytola.com

Kytola Instruments Oy
 Olli Kytölään tie 1
 FI-40950 Muurame, Finland
 Tel. +358 20 779 690
 Fax +358 14 631 419
 E-mail info@kytola.com