www.kytola.com

Kytola INSTRUMENTS

Kytola Model 2851 Constant Flow Regulator is a sturdy, industrial constant flow regulator designed to provide constant flow of liquids or gases regardless of pressure variations.

Model 2851 is intended for low liquid flows in applications where supply or backpressure varies and for gas flows in applications where backpressure varies.

Model 2851
equipped with
model L flow meter

- For liquid and gas
- Reliable operation
- Easy maintenance
- Max. flow
  3 L/min H_2O
  100 NL/min air (6 barg)

ISO 9001:2008 ISO 14001:2004

CONSTANT FLOW REGULATOR 2851

The regulator is a membrane type differential pressure controller, and it is usually supplied with Model L variable area flow meter.

FEATURES

- Two-piece stainless steel construction
- Vertical installation
- Competitively priced
- Model L flow meter for flow rate adjusting and monitoring

TYPICAL APPLICATIONS

- Control of seal waters
- Control of flush waters
- Water or air purging
- Level measurement in tanks

OPTIONS

- Hand knob in flow adjustment valve
- Viton® seals

2851 TECHNICAL DATA

Max. flow	3 L/min H_2O (100 NL/min air at 6 barg)
Nominal flow	2.3 L/min H_2O (100 NL/min air at 6 barg)
Max. diff. pressure	20 bar
Max. static pressure	20 bar (30 bar / 30°C)
Pressure drop at nominal flow	2 bar
Max. temperature	75°C
Body	AISI 316
Spring	AISI 316
Membrane	EPDM
Seals	Nitrile (*Viton®)
Mesh	PTFE
Connections	BSP 1/4" or NPT 1/4"
Installation position	Vertical
Weight	0.85 kg

*Special construction on request

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Connections

BSP 1/4"	R
NPT 1/4"	N

Flow Range

H_2O 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
0.2 – 2.6	10 – 85*	8S
0.5 – 3	15 – 110*	8R

Scale

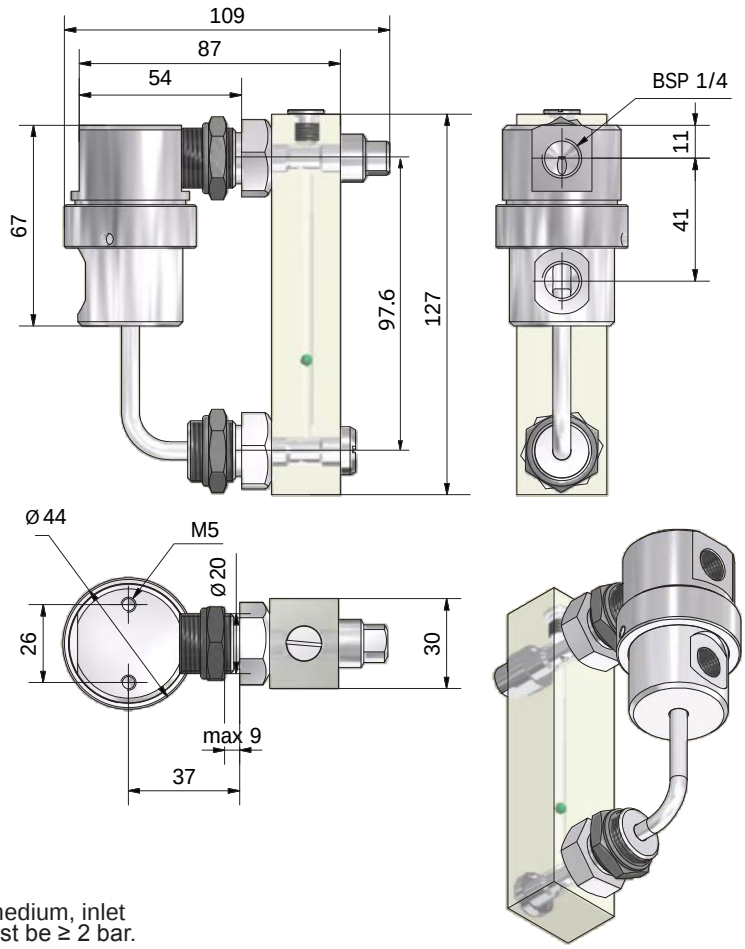
H_2O (L/min) at +20°C	A
Relative scale 1–10	D
Factory assigned model number for air scale	XX

Flow Tube

Acrylic	A
Grilamid-TR55	G
Trogamid-T	T

Special Feature

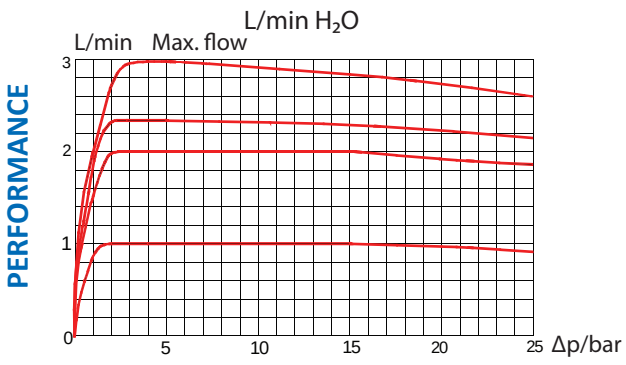
Hand knob	H
Viton® seals	V

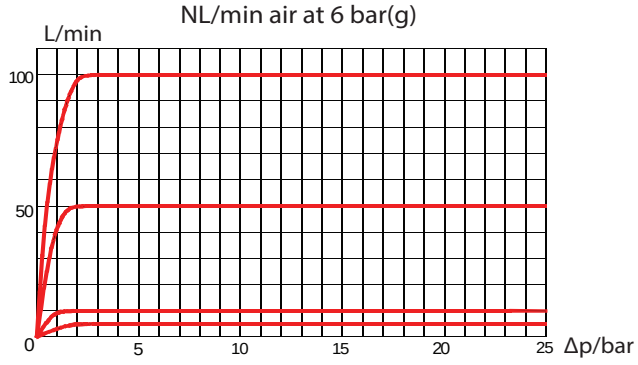


*) Example scale at +20°C / 1.013 bar (abs)

Gas scale always has to be calibrated according to the actual medium, inlet pressure and temperature. Note! Δp over the 2851 regulator must be ≥ 2 bar.

PERFORMANCE





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MANAGEMENT SYSTEM CERTIFICATION DNV·GL ISO 9001 = ISO 14001

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