

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
H₂O: 45 USGPH (3.0 L/min)
Air: 240 SCFH at 87 psig
(100 NL/min at 6 barg)

ISO 9001 ISO 14001

CONSTANT FLOW REGULATOR WITH FLOW METER 2851 + L

The regulator is a membrane type differential pressure controller, and it is 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 valve
- Viton® or EPDM seals

2851 + L

TECHNICAL DATA

Maximum flow	H ₂ O: 45 USGPH (3.0 L/min); Air: 240 SCFH at 87 psig (100 NL/min at 6 barg)
Nominal flow	H ₂ O: 36 USGPH (2.3 L/min); Air: 240 SCFH at 87 psig (100 NL/min at 6 barg)
Max. static pressure	290 psi (20 bar)
Max. differential pressure	290 psi (20 bar)
Min. differential pressure	29 psi (2 bar)
Max. temperature	165°F (75°C) with acrylic flow tube, 176°F (80°C) with Grilamid flow tube
Body	AISI 316
Spring	AISI 316
Membrane	EPDM
Membrane plate	AISI 316
Seals	Nitrile (*Viton®, EPDM)
Mesh	PTFE
Connections	NPT 1/4" or G 1/4"
Installation position	Vertical
Weight	2 lbs (0.85 kg)

*Special construction on request

2851 - - -

Connections

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

Flow Range H ₂ O USGPH	L/min	Flow Range air SCFH	NL/min	
0.2 – 1.3	15 – 80 mL/min	(1.5 – 5.5)*	(0.5 – 2.5)*	4C
0.2 – 2	0.01 – 0.13	(1 – 14)*	(0.5 – 6)*	5K
0.2 – 3.6	0.01 – 0.2	(1 – 16)*	(0.5 – 7)*	5A
0.5 – 5.5	0.025 – 0.325	(2 – 24)*	(1 – 10)*	5B
1 – 8.5	0.05 – 0.5	(4 – 32)*	(2 – 14)*	5C
2 – 12	0.1 – 0.75	(7.5 – 45)*	(3 – 20)*	8T
2 – 17	0.1 – 1	(10 – 70)*	(5 – 30)*	8M
4 – 26	0.2 – 1.6	–	–	8P
2.5 – 40	0.2 – 2.6	–	–	8S
7.5 – 55**	0.5 – 3.5**	–	–	8R

Scale

H ₂ O L/min (70°F, 20°C)	A
H ₂ O USGPH (70°F, 20°C)	N
Relative scale 1–10	D
Factory assigned model number for air scale	XX

Flow Tube

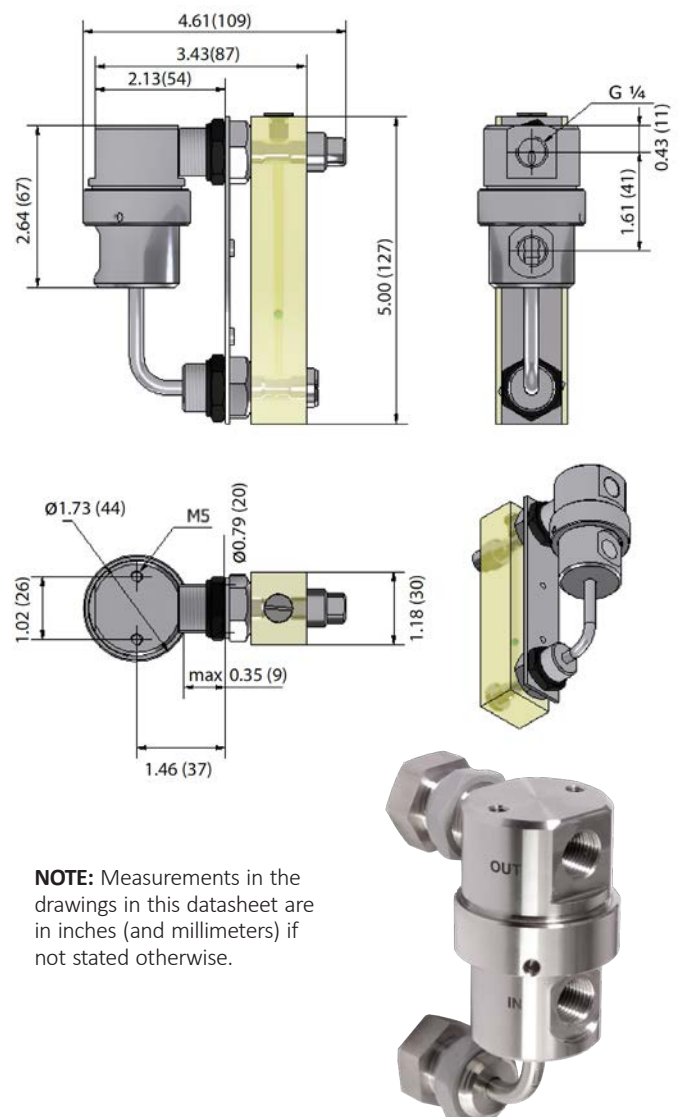
Acrylic - SS316, max 290 psi (20 bar) / 165°F (75°C)	A
Grilamid-TR55 - SS316, max 290 psi (20 bar) / 176°F (80°C)	G

Special Feature

Hand knob in valve	H
Viton® seals	V
EPDM seals	Y

***Example air ranges at 70°F / 14.7 psia (20°C / 1.013 bar abs).**
The gas scale always has to be calibrated according to the actual medium, inlet pressure and temperature. Note! Δp over the regulator must be ≥ 29 psi (2 bar).

** Flow meter scale, regulator max. flow is 45 USGPH (3.0 L/min)



NOTE: Measurements in the drawings in this datasheet are in inches (and millimeters) if not stated otherwise.

Kytola
INSTRUMENTS

www.kytola.com



Kytola Instruments Inc.
 3050 Royal Blvd South, Suite 120
 Alpharetta, GA 30022, USA
 Tel: +1 678 701 3569
 flow@kytola.com