

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  
H<sub>2</sub>O: 0.8 USGPM (3.0 L/min)  
Air: 240 SCFH at 87 psig  
(100 NL/min at 6 barg)

ISO 9001 ISO 14001

## 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

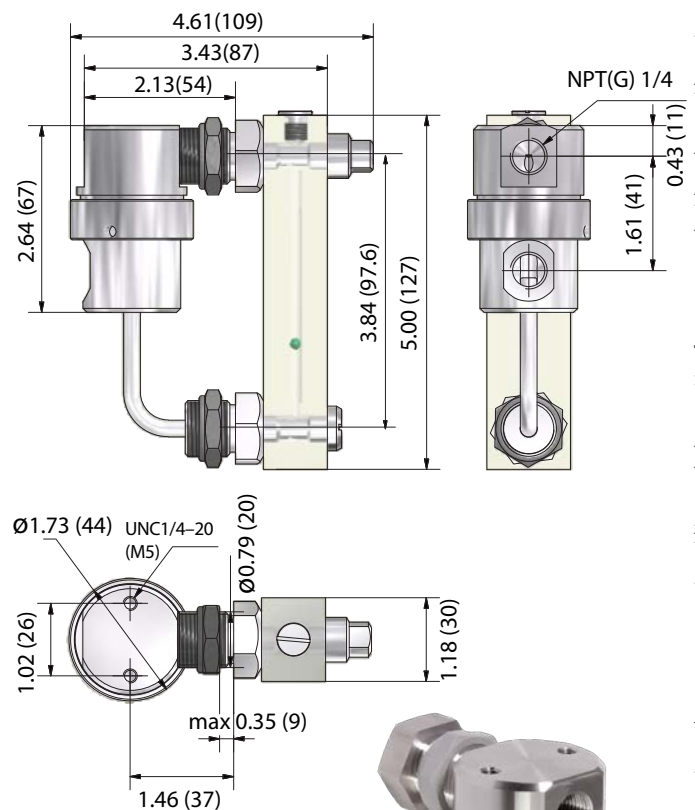
- Control of seal and flush waters
- Water or air purging
- Level measurement in tanks

### OPTIONS

- Hand knob in valve
- Viton® or EPDM seals

Max. flow	H <sub>2</sub> O: 45 USGPH (3.0 L/min); Air: 240 SCFH at 87 psig (100 NL/min at 6 barg)
Nominal flow	H <sub>2</sub> O: 36 USGPH (2.3 L/min); Air: 240 SCFH at 87 psig (100 NL/min at 6 barg)
Max. diff. pressure	290 psi (20 bar)
Max. static pressure	290 psi (20 bar), *435 psi / 85°F (30 bar / 30°C)
Min. pressure difference	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) <span style="float: right;">*Special construction on request</span>

<b>2851</b> <span style="color: blue;">■</span> - <span style="color: blue;">■</span> <span style="color: blue;">■</span> - <span style="color: blue;">■</span> <span style="color: blue;">■</span>				
<b>Connections</b>				
G 1/4"				R
NPT 1/4"				N
<b>Flow Range H<sub>2</sub>O</b>		<b>Flow Range air*</b>		
<b>USGPH</b>	<b>L/min</b>	<b>SCFH*</b>	<b>NL/min*</b>	
0.2 – 1.3	15 – 80 mL/min	1.5 – 5.5	0.5 – 2.5	<b>4C</b>
0.2 – 2	0.01 – 0.13	1 – 14	0.5 – 6	<b>5K</b>
0.2 – 3.6	0.01 – 0.2	1 – 16	0.5 – 7	<b>5A</b>
0.5 – 5.5	0.025 – 0.325	2 – 24	1 – 10	<b>5B</b>
1 – 8.5	0.05 – 0.5	4 – 32	2 – 14	<b>5C</b>
2 – 12	0.1 – 0.75	7.5 – 45	3 – 20	<b>8T</b>
2 – 17	0.1 – 1	10 – 70	5 – 30	<b>8M</b>
4 – 26	0.2 – 1.6	20 – 120	10 – 50	<b>8P</b>
2.5 – 40	0.2 – 2.6	20 – 200	10 – 85	<b>8S</b>
7.5 – 55**	0.5 – 3.5**	40 – 260	15 – 110	<b>8R</b>
<b>Scale</b>				
H <sub>2</sub> O L/min (70°F, 20°C)				A
H <sub>2</sub> O USGPH (70°F, 20°C)				N
Relative scale 1–10				D
Factory assigned model number for air scale				XX
<b>Flow Tube</b>				
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
<b>Special Feature</b>				
Hand knob in valve				H
Viton® seals				V
EPDM seals				Y



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



\*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)