

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: 0.8 USGPM (3 L/min)
Air: 3.5 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

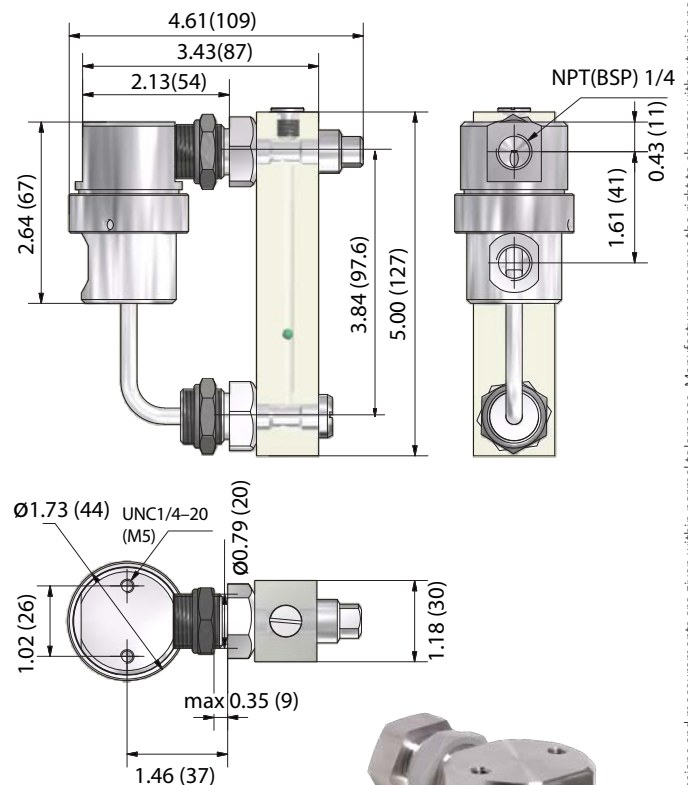
- Control of seal and flush waters
- Water or air purging
- Level measurement in tanks

OPTIONS

- Hand knob in valve
- Viton®, EPDM seals

Max. flow	H ₂ O: 45 USGPH (3 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. diff. pressure	290 psi (20 bar)
Max. static pressure	290 psi (20 bar), *435 psi / 85°F (30 bar / 30°C)
Pressure drop at nominal flow	29 psi (2 bar)
Max. temperature	165°F (75°C)
Body	AISI 316
Spring	AISI 316
Membrane	EPDM
Membrane plate	PA6
Seals	Nitrile (*Viton®, EPDM)
Mesh	PTFE
Connections	NPT 1/4" or BSP 1/4"
Installation position	Vertical
Weight	2 lbs (0.85 kg) *Special construction on request

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Connections				
BSP 1/4"		R		
NPT 1/4"		N		
Flow Range H ₂ O		Flow Range air*		
USGPH	L/min	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 – 0.35	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	20 – 120	10 – 50	8P
2.5 – 40	0.2 – 2.6	20 – 200	10 – 85	8S
7.5 – 45	0.5 – 3	20 – 240	15 – 110	8R
Scale				
H ₂ O L/min (70°F, 20°C)			A	
Dual scale USGPH H ₂ O and SCFH			L	
Dual scale L/min H ₂ O and NL/min air			M	
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	
Trogamid-T - SS316, max 290 psi (20 bar) 158°F (70°C)			T	
Special Feature				
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).