

# CONSTANT FLOW REGULATOR

## Model 2851

The model 2851 constant flow regulator is designed to provide constant flow of liquids or gases regardless of pressure variations. It is intended for low liquid flows in applications where supply or backpressure varies and for gas flows in applications where backpressure varies.

The regulator is a membrane type differential pressure controller which is supplied with model L variable area flow meter.

### FEATURES

- Reliable operation
- Stainless steel construction
- Two piece construction, easy maintenance
- Competitively priced
- Model L flow meter for flow rate setting and monitoring

### TYPICAL APPLICATIONS

- Control of sealwaters
- Control of flushwaters
- Water / Air purging
- Level measurement in tanks

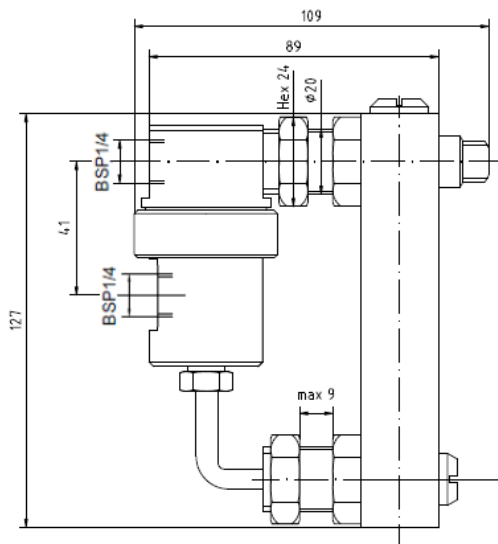
### ACCESSORIES

- Hand knob in flow adjustment valve
- Viton® -seals



Constant flow regulator 2851 equipped with model L flow meter

# 2851

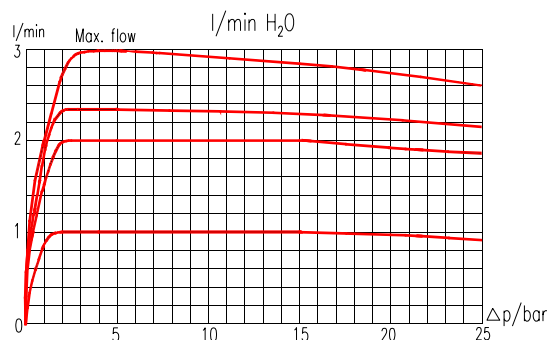


## Technical data 2851

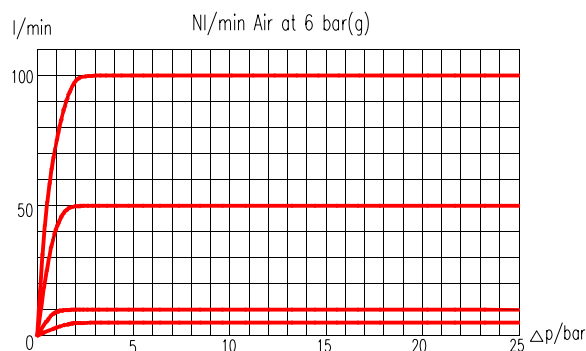
Max. flow	3 l/min H <sub>2</sub> O (100 NI/min air at 6 barg)
Nominal flow	2,3 l/min H <sub>2</sub> O (100 NI/min air at 6 barg)
Max. diff. pressure	20 bar
Max. static pressure	20 bar ( 30 bar / 30°C )
Pressure drop at nominal flow	2 bar
Max. temperature	75°C
Body	AISI 316
Spring	AISI 316
Membrane	EPDM
Seals	Nitrile (Viton®)
Mesh	PTFE
Connections	BSP 1/4" or NPT 1/4"
Installation position	Vertically
Weight	850 g

2851				
				<b>Special feature</b>
			H	Hand knob in valve
			V	Viton® -seals
				<b>Flowtube material</b>
			A	Acrylic
			G	Grilamid TR 55
			T	Trogamid-T
				<b>Scale</b>
			A	H <sub>2</sub> O (l/min) at +20°C
			xx	Factory assigned model number for air scale
			D	Relative scale 1-10
				<b>Flow range</b>
				<b>H<sub>2</sub>O</b>
				<b>Air</b>
		4C	15 - 85 ml/min	(0,5 - 2,5 NI/min)*
		5K	0,01 - 0,13 l/min	(0,5 - 6 NI/min)*
		5A	0,01 - 0,2 l/min	(0,5 - 7 NI/min)*
		5B	0,025 - 0,35 l/min	(1 - 10 NI/min)*
		5C	0,05 - 0,5 l/min	(2 - 14 NI/min)*
		8T	0,1 - 0,75 l/min	(3 - 20 NI/min)*
		8M	0,1 - 1 l/min	(5 - 30 NI/min)*
		8P	0,2 - 1,6 l/min	(5 - 50 NI/min)*
		8S	0,2 - 2,6 l/min	(10 - 85 NI/min)*
		8R	0,5 - 3 l/min	(10 - 110 NI/min)*
				<b>Connections</b>
		R	BSP 1/4"	
		N	NPT 1/4"	

\*) Example scales at +20°C / 101,3 kPa.  
 Air scale has always to be calibrated according to the actual inlet pressure and temperature.  
 Note! Δp over the 2851 regulator must be ≥ 2 bar.



## PERFORMANCE



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