

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 MP flow meter

- For liquid and gas
- Reliable operation
- Easy maintenance
- Max. flow
180 L/h H₂O
6000 NL/h air (6 barg)

ISO 9001 ISO 14001

CONSTANT FLOW REGULATOR WITH FLOW METER 2851 + MP

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

FEATURES

Two-piece stainless steel construction

Vertical installation

Competitively priced

Model MP flow meter for flow rate adjustment and monitoring

TYPICAL APPLICATIONS

Control of seal waters

Control of flush waters

Water or air purging

Level measurement in tanks

2851 + MP

TECHNICAL DATA

Maximum flow	170 L/h H ₂ O (6 000 NL/h air at 6 barg)
Nominal flow	140 L/h H ₂ O (6 000 NL/h air at 6 barg)
Max. static pressure	20 bar
Max. differential pressure	20 bar
Min. differential pressure	2 bar
Max. temperature	+120°C without alarm sensors, borosilicate glass window +115°C without alarm sensors, polycarbonate window +100°C with NAMUR alarm sensors +70°C with PNP alarm sensors

Body	AISI 316
Spring	AISI 316
Membrane	EPDM
Membrane plate	AISI 316
Seals	Viton® (*EPDM)
Mesh	PTFE
Connections	G 1/4" or NPT 1/4"
Installation position	Vertical
Weight	1.5 kg

*Special construction on request



2851 —MP— — —

Connections

G 1/4"
NPT 1/4"

R
N

Flow Range

H ₂ O (L/h)	Air (NL/h)	
1 – 10	60 – 320*	10
1 – 16	50 – 500*	16
1 – 25	100 – 750*	25
2 – 42	100 – 1200*	40
5 – 65	200 – 1900*	60
5 – 100	–	100
10 – 170**	–	160

Scale

H₂O (L/h) at +20°C

Air (NL/h) at +20°C / 1.013 bar (abs)

B

K

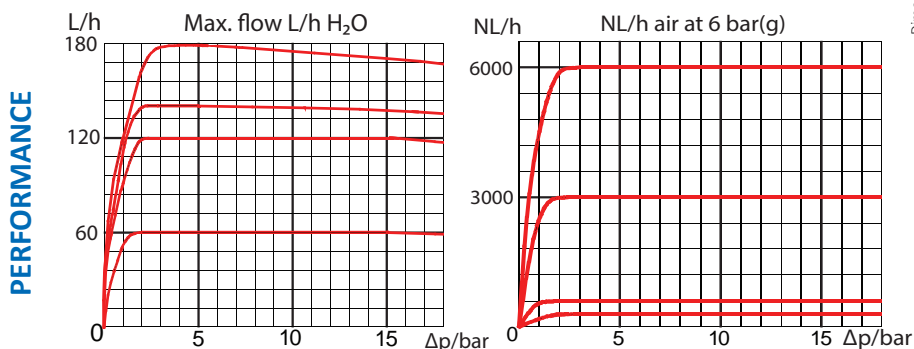
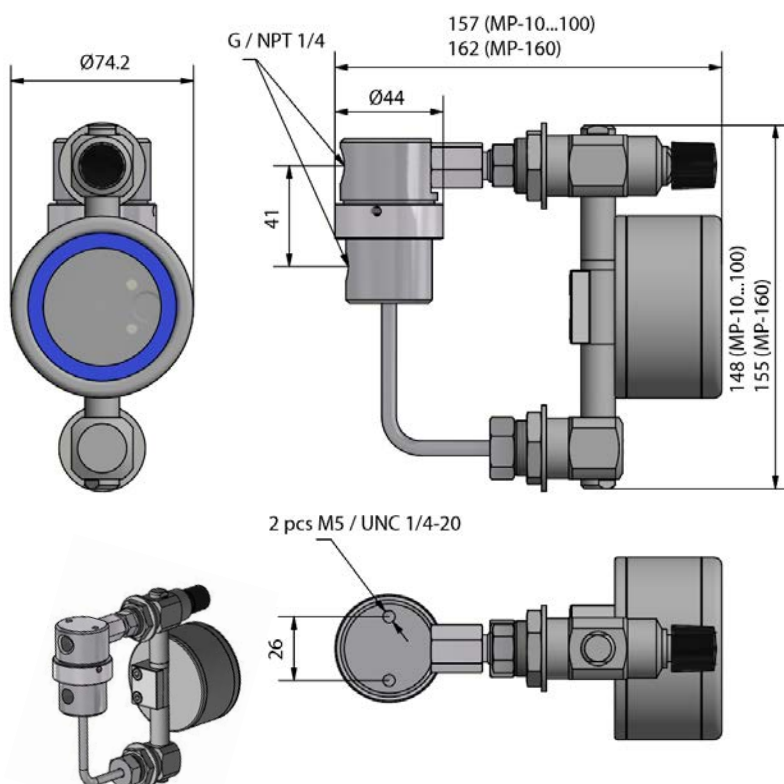
Special Features

Lower limit switch, NAMUR	1
Upper limit switch, NAMUR	2
Lower and upper limit switch, NAMUR	3
Lower limit switch, PNP, 10–30 VDC, 3-wire (NC)	7
Upper limit switch, PNP, 10–30 VDC, 3-wire (NC)	8
Lower and upper limit switch, PNP, 10–30 VDC, 3-wire (NC)	9
Aluminium display housing, polycarbonate glass	blank
Aluminium display housing, borosilicate glass	L
Aluminium display base plate, AISI 316 display housing cover, borosilicate glass	X
EPDM seals	Y

Standard: leave blank

*) 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.

**) Flow meter scale, regulator max. flow is 180 L/h H₂O



Kytola
INSTRUMENTS

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