SERIES S 20-0.1 | LINE REGULATOR

- Diaphragm single stage
- Purity up to 6.0
- Inlet pressure:
  50 bar (725 psi)
- Outlet pressure:
  0,01 - 0,1 bar
  0.14 - 1.45 psi

★ Very low outlet pressure
★ 2 inlets /2 outlet
★ Rear inlet
★ Rear threads for panel
  mounting
★ High accuracy due to large
  diaphragm
★ O_2 application compatible
  (see technical data)
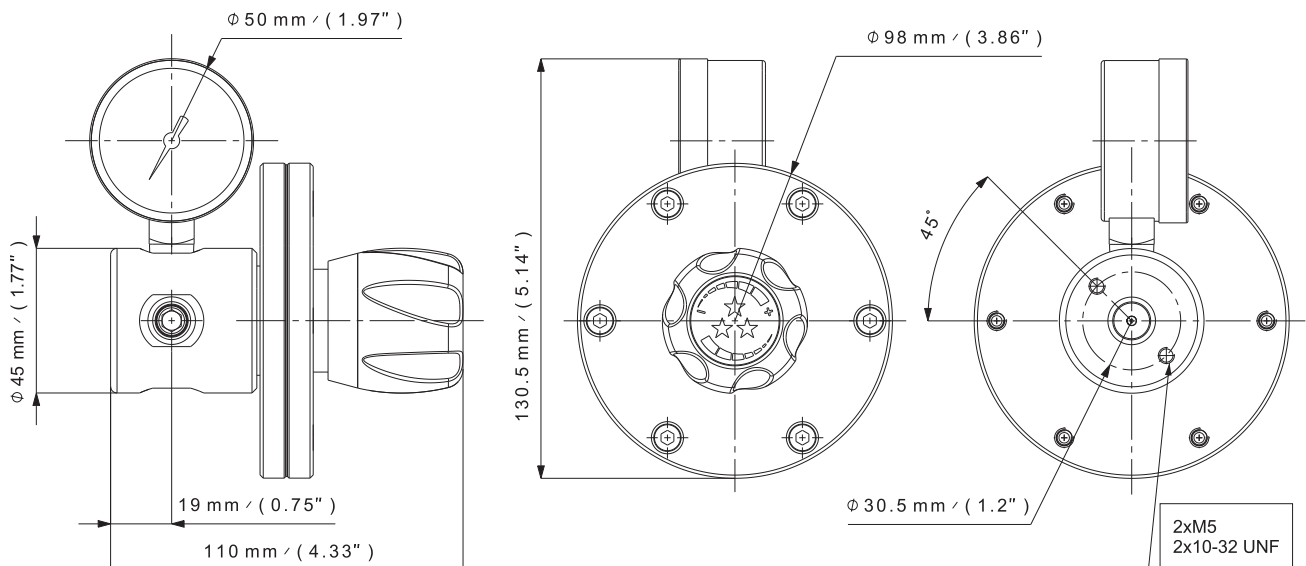
Special requirements on request

Rear inlet view

APPLICATIONS

- The Series S 20-0.1 is used as a line regulator
  for lab applications requiring a low outlet
  pressure less than 10 mbar (1.45 psi).

KEY FEATURES
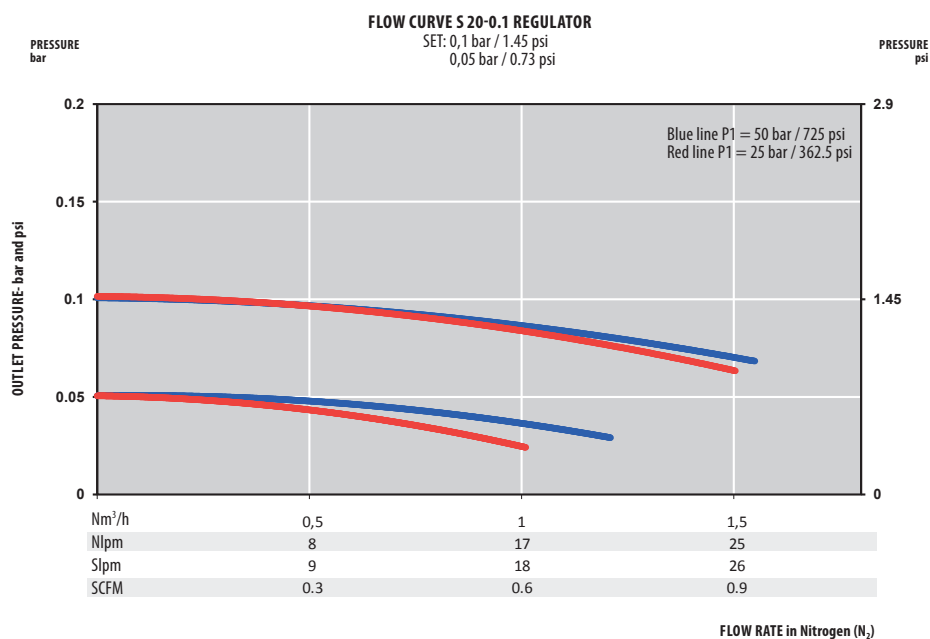
- With the rear threads, it can be used for wall mounting.

Φ 50 mm ⁄ (1.97")

Φ 45 mm ⁄ (1.77")

19 mm ⁄ (0.75")

110 mm ⁄ (4.33")

Φ 98 mm ⁄ (3.86")

130.5 mm ⁄ (5.14")

45°

Φ 30.5 mm ⁄ (1.2")

2xM5
2x10-32 UNF

ROTAREX
EQUIPMENT

LOW-PRESSURE REGULATORS

SPECIFICATIONS

Female ports	G ⅜ or ¼ NPT (inlet/outlet)	**Weight**	± 0,6 kg ± 1.32 lbs	**Inlet pressure**	50 bar 725 psi
Seat seal	EPDM	**Leak rate**	10^{-8} mbar ℓ/s He	**Outlet pressure**	0,01 - 0,1 bar 0.14 - 1.45 psi
O-ring	EPDM - Standard NBR FPM	**Temperature range**	- 20°C to + 60°C - 4°F to + 140°F	**Nominal Flow**	0,5 Nm³/h (N_2)
Diaphragm	AISI 304	**Gauges**	Low pressure (M10 x 1 or ¼ NPT)	**Oxygen use**	inlet pressure ≤ 30 bar max. for brass and stainless steel

FLOW CURVES

FLOW CURVE S 20-0.1 REGULATOR
SET: 0,1 bar / 1.45 psi
0,05 bar / 0.73 psi

PRESSURE bar

PRESSURE psi

Blue line P1 = 50 bar / 725 psi
Red line P1 = 25 bar / 362.5 psi

OUTLET PRESSURE- bar and psi

Nm³/h	0,5	1	1,5
Nlpm	8	17	25
Slpm	9	18	26
SCFM	0.3	0.6	0.9

FLOW RATE in Nitrogen (N_2)

PRODUCT CONFIGURATOR

	Body Material				**End Connections**		**O-ring Material**	**Gauges**		**Ports Configuration**	
S	L		20	0.1	G		EPDM	1		A	
	Chrome plated brass	L			G ⅜ - G ⅜	G	EPDM - Standard	Without	0	Standard Configuration	A
	Stainless steel	I			¼ NPT - ¼ NPT	N	NBR	With	1	Reverse inlet/outlet	R
							FPM				

ROTAREX
EQUIPMENT

WolfLabs

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct.
If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.