



## REDLINE® R 40

### Point-of-use pressure regulator

**Description** R 40 is a point-of-use pressure regulator. It is especially suitable for non-corrosive gases up to 6.0 purity (99.9999%) as well as gas mixtures with a low concentration of corrosive components.

Product name	Material	bar	psi	Art. Nr
R 40	Chrome-plated brass	0.1 – 1	1.5 – 15	3352
R 40	Chrome-plated brass	0.5 – 6	7 – 87	3354
R 40	Chrome-plated brass	0.5 – 10.5	7 – 152	3356
R 40	Stainless steel	0.1 – 1	1.5 – 15	3353
R 40	Stainless steel	0.5 – 6	7 – 87	3355
R 40	Stainless steel	0.5 – 10.5	7 – 152	3357

**Delivery and ordering information** Withdrawal pressure reducer with back pressure manometer. In addition to the article number, please specify the type of gas. Other configurations on request.

**Application** For all applications in analysis, as well as research and development, where high demands in gas purity, accuracy, reliability are required. Used as a second pressure reducer stage in a central gas supply system.

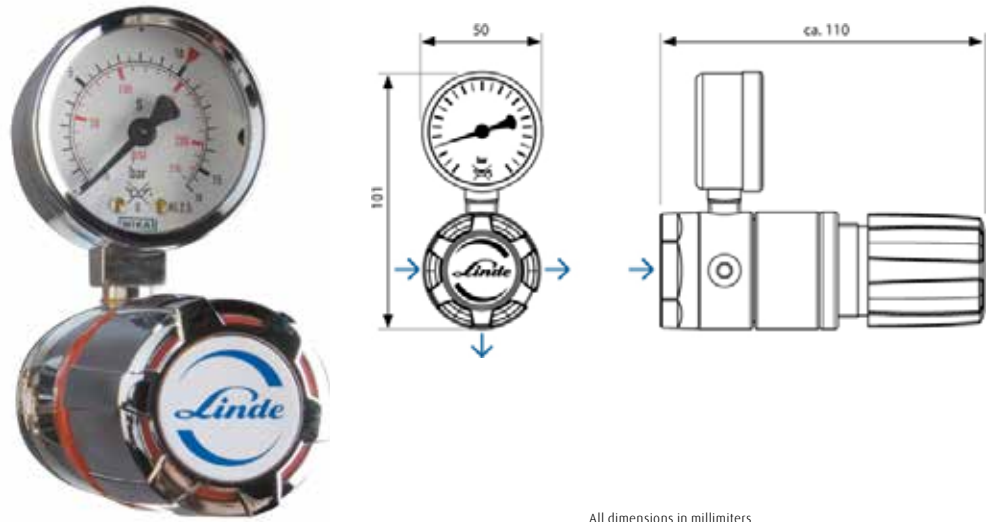
#### Technical Data

	bar	psi
Maximum primary pressure	40	580
Outlet pressure range	0.1 – 1	1.5 – 15
	0.5 – 6	7 – 87
	0.5 – 10.5	7 – 152
Outlet gauge range	0 – 2.5	0 – 36
	0 – 6	0 – 87
	0 – 16	0 – 232
Gas purity	≤ 6.0 (99.9999%)	
Leak rate	≤10 <sup>-9</sup> mbar l/s He to the outside	
	≤10 <sup>-6</sup> mbar l/s He in the seat	
Connections		
- Pressure reducer body	1 x G 3/8" f, 4 x G ¼" f	
- cylinder pressure regulator		
- Service gas outlet	G ¼" f	
- High pressure inlet	G 3/8" f, G ¼" f	
Flow coefficient	Cv = 0.106	
Materials		
- Casing	Cr-plated brass	Stainless steel 316L
- Membrane	Hastelloy®	
- Seat seal	FKM/EPDM	(according to gas type)
Operating temperature	-20°C ... +70°C	-4°F ... +158°F
Particle filter	Inlet (left) 100 µm	
	Inlet (back) 50 µm	
Weight	0.7 kg max.	1.5 lb max.

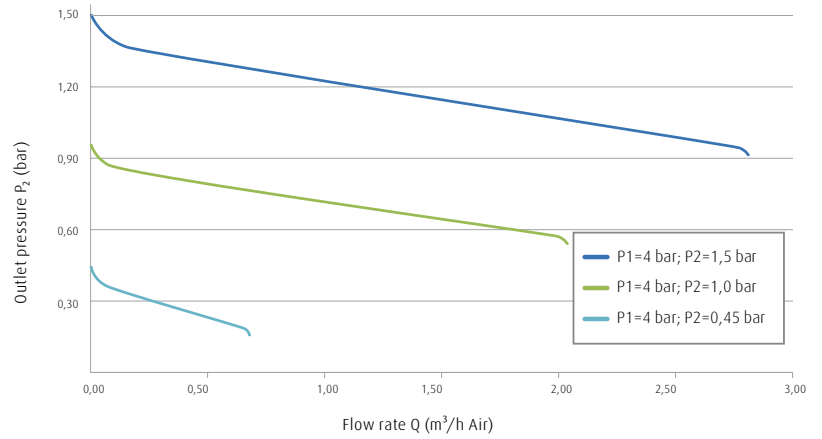


- Other accessories** Gas type-specific manual connection, brass or stainless-steel compression fittings from 3 to 12 mm or 1/8" to 1/2" for service gas and relief valve outlet.
- Quality Assurance** The R 40 is manufactured in accordance with the following international standards: ISO 9001, EN ISO 5171, EN ISO 7291 (including oxygen burnout test for brass-chrome-plated fittings). Every step, from design to final test, is subject to one Quality Management System.

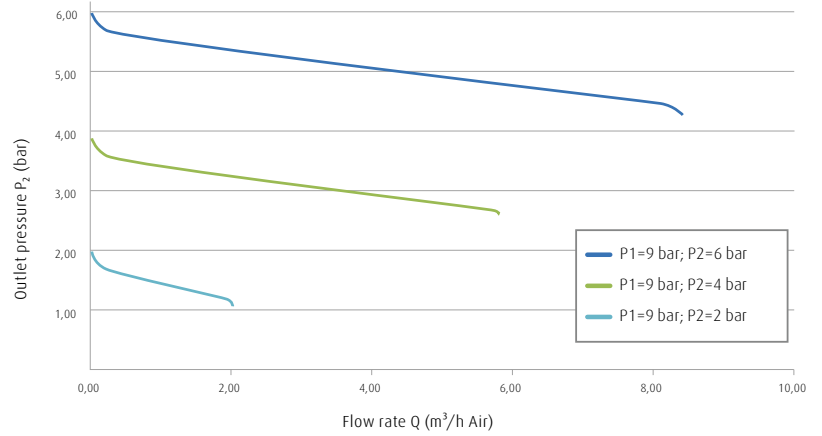
R 40



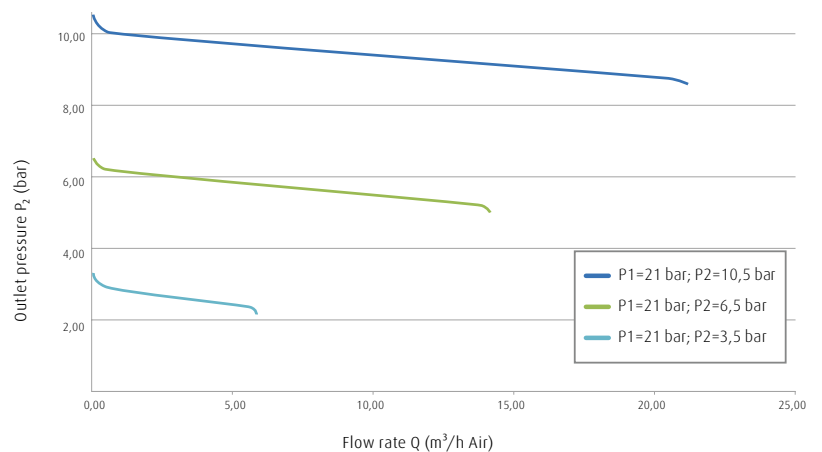
## R 40 – 1 bar



## R 40 – 6 bar



## R 40 – 10.5 bar



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