Pressure regulators, pilot controlled - standard — up to 50 000 l/min

Application: Pilot controlled pressure regulators are used when high flow rates are needed with a constant pressure.
Version: Resettable (with relieving system)
Materials: Body: Aluminium, spring hood: POM, diaphragms and seals: NBR
Temperature range: -10°C to max. +60°C
Input pressure: Max. 25 bar
Pressure gauge connection: G 1/4" (model series 8: 2 x G 1/4")
Media: Oiled and unoiled compressed air, non-toxic and non-flammable gases
ATEX: Operating material without its own potential source of ignition in accordance with Directive 2014/34/EU
☞ **Optional:** Other regulation ranges: 0.1-3 bar **-3**, 0.2-6 bar **-6**, 0.5-16 bar **-16**, lockable using a cylinder lock **-K**

✓ **Advantages:**
- Automatic venting in the event of overpressure on the secondary side.
- High flow at constant pressure.
- Hand wheel can be locked by pressing down on it.

Type	Thread	Pressure regula. range	Pressure gauge display	H	H1	L	Mounting bracket
Model series 5, flow 15000 l/min, Inlet pressure max. 40 bar							
DRP 5440	G 3/4"	0,5 - 10 bar	0 - 16 bar	177	129	117	BW 50
DRP 5540	G 1"	0,5 - 10 bar	0 - 16 bar	177	129	117	BW 50
Model series 7, flow 31500 l/min, Inlet pressure max. 40 bar							
DRP 7640	G 1 1/4"	0,5 - 10 bar	0 - 16 bar	190	138	119	BW 50
DRP 7740	G 1 1/2"	0,5 - 10 bar	0 - 16 bar	190	138	119	BW 50
Model series 8, flow 50000 l/min, Inlet pressure max. 25 bar							
DRP 87*	G 1 1/2"	0,5 - 10 bar	0 - 16 bar	262	154	160	Pipe installation
DRP 88*	G 2"	0,5 - 10 bar	0 - 16 bar	262	154	160	Pipe installation

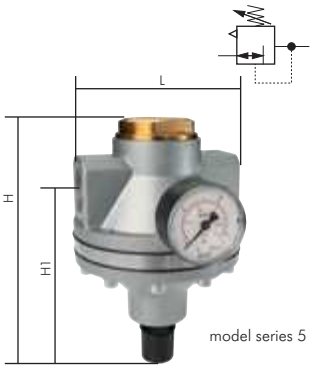
* input pressure gauge 0 - 25 bar

☞ **Order example:** DRP 54 ** *

Standard type

Lockable using a cylinder lock . . . . . .**-K**

Regulation range
0.1 - 3 bar (pressure gauge 0 - 6 bar) . . . .**-3**
0.2 - 6 bar (pressure gauge 0 - 10 bar) . . .**-6**
0.5 - 16 bar (pressure gauge 0 - 25 bar) .**-16**



model series 5

model series 8

Pressure regulators, remote controlled (volume boosters) - standard up to 50 000 l/min

Application: A remote controlled pressure regulator is used, when high flow rates are required with a constant pressure. The pressure regulator can also be used at inaccessible locations (e.g. in hazardous or ceiling areas). The setting is made using a pilot pressure regulator that can be placed anywhere. The regulated pressure corresponds to the pressure of the remote controlled bore.
Version: Resettable (with relieving system)
Materials: Body: Zinc die-casting Z410 (model series 5 to 8: aluminium), diaphragms and seals: NBR
Temperature range: -10°C to max. +80°C
Input pressure: Max. 25 bar
Pressure gauge connection: G 1/4"
Media: Oiled and unoiled compressed air, non-toxic and non-flammable gases
ATEX: Operating material without its own potential source of ignition in accordance with Directive 2014/34/EU

✓ **Advantages:**
- Automatic venting in the event of overpressure on the secondary side.
- High flow at constant pressure.
- Remote-controlled pressure regulation using pilot regulator (when using a precision pressure regulator as a pilot, it is possible to set the pressure very accurately).

Type	Thread	L	H	H1	Pressure regula. range	Mounting bracket
Model series 3, flow 6000 l/min						
DRi 33	G 1/2"	82	75	42	0 - 16 bar	BW 30
Model series 5, flow 12500 l/min						
DRi 5440	G 3/4"	117	109	61	0 - 20 bar	BW 50
DRi 5540	G 1"	117	109	61	0 - 20 bar	BW 50
Model series 7, flow 31500 l/min						
DRi 7640	G 1 1/4"	119	123	71	0 - 20 bar	BW 50
DRi 7740	G 1 1/2"	119	123	71	0 - 20 bar	BW 50
Model series 8, flow 50000 l/min						
DRi 87	G 1 1/2"	160	199	92	0 - 16 bar	---
DRi 88	G 2"	160	199	92	0 - 16 bar	---

Recommendation: For best regulation results, please use the precision regulator with feedback connection type DRF 31-7 FB (see page 346)

Order accessories at the same time!
Suitable pressure gauges can be found on page 372.

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All data are considered to be unbinding reference values. We accept no liability for data selection that is not confirmed in writing. Pressure data refer, if not otherwise indicated, to liquids of Group II at +20°C.