

Pressure regulators made of stainless steel/brass

Pressure regulators

Kv value up to 0.5 m³/h, to 500 l/min¹⁾

Flow: Kv value 0.5 m³/h, 500 l/min¹⁾ (brass: Kv value 0.35 m³/h, 400 l/min¹⁾)

Version: Resettable (with relieving system), optionally not resettable

Materials: Seal: FKM, diaphragms: NBR (PTFE coated), type brass: ABS hand wheel

Temperature range: -20°C to max. +80°C

Media: Oiled and unoled compressed air, non-toxic gases (with option **-NB**: gases and liquids, demineralised water, with option **-NE**: Aggressive gases (not for piston type regulator), with option **-CO**: CO₂ (only for type brass)

Pressure gauge connection: G 1/4"

Switch panel thread: M 45 x 1.5 (brass: M 35 x 1.5)

Optional: Not resettable version for gases and liquids (NBR diaphragm, PTFE coated) **-NB**, not resettable version for aggressive gases (stainless steel diaphragm) **-NE**³⁾, version for CO₂ (only for type brass) **-CO**, NPT thread **-NPT**

Type AISI 316L	Type brass	Thread	Max. input pressure	Pressure regula. range	Mount. bracket	Mounting bracket ⁴⁾
R 14-1.5 ES	R 14-1.5 MS	G 1/4"	30 bar	0.1 - 1.5 bar	WH 14 ES	WH 14 MS
R 14-3 ES	R 14-3 MS	G 1/4"	30 bar	0.2 - 3 bar	WH 14 ES	WH 14 MS
R 14-8 ES	R 14-8 MS	G 1/4"	30 bar	0.5 - 8 bar	WH 14 ES	WH 14 MS
R 14-15 ES	R 14-15 MS	G 1/4"	50 bar	1 - 15 bar	WH 14 ES	WH 14 MS
R 14-30 ES**	R 14-30 MS**	G 1/4"	50 bar	2 - 30 bar	WH 14 ES	WH 14 MS
R 14-50 ES**	R 14-50 MS**	G 1/4"	50 bar	3 - 50 bar	WH 14 ES	WH 14 MS
R 38-1.5 ES	---	G 3/8"	30 bar	0.1 - 1.5 bar	WH 14 ES	---
R 38-3 ES	---	G 3/8"	30 bar	0.2 - 3 bar	WH 14 ES	---
R 38-8 ES	---	G 3/8"	30 bar	0.5 - 8 bar	WH 14 ES	---
R 38-15 ES	---	G 3/8"	50 bar	1 - 15 bar	WH 14 ES	---
R 38-30 ES**	---	G 3/8"	50 bar	2 - 30 bar	WH 14 ES	---
R 38-50 ES**	---	G 3/8"	50 bar	3 - 50 bar	WH 14 ES	---

Replacement diaphragm (not for piston type regulator)

MEMB R14ES ³⁾	MEMB R14MS ³⁾	Diaphragm made of NBR/PTFE, resettable, for standard regulating option
MEMB R14ES-NB ³⁾	MEMB R14MS-NB ³⁾	Diaphragm made of NBR/PTFE, not resettable, for regulating option -NB
MEMB R14ES-NE	---	Diaphragms made of stainless steel, not resettable, for regulating option -NE

³⁾ piston type regulator

¹⁾ at 8 bar input pressure, 6 bar output pressure and 1 bar pressure drop

²⁾ changing the NBR/PTFE diaphragms between resettable and not resettable is possible.

⁴⁾ only for type brass, material of the bracket: stainless steel

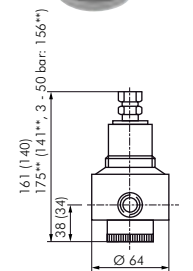
⁵⁾ only for type AISI 316L

Order example: R 14-1.5 ES **

Standard type

Designation for the options:

- Version not resettable
- For gases and liquids**-NB**
- For aggressive gases (not for piston type regulator)**-NE**³⁾
- For CO₂ (only type brass)**-CO**
- NPT thread**-NPT**



values in brackets apply to type brass

Order accessories at the same time!

Suitable pressure gauges can be found on page 372.

Pressure regulators

Kv value up to 1.8 m³/h, to 2200 l/min¹⁾

Flow: Kv value 1.8 m³/h, 2200 l/min¹⁾ (brass: Kv value 1 m³/h, 1500 l/min¹⁾)

Version: Resettable (with relieving system), optionally not resettable

Materials: Seal: FKM, diaphragms: NBR (PTFE coated)

Temperature range: -20°C to max. +80°C

Media: Oiled and unoled compressed air, non-toxic gases (with option **-NB**: gases and liquids, demineralised water, with option **-NE**: Aggressive gases (not for piston type regulator), with option **-CO**: CO₂ (only for type brass)

Pressure gauge connection: G 1/4"

Switch panel thread: M 50 x 1.5

Optional: Not resettable version for gases and liquids (NBR diaphragm, PTFE coated) **-NB**, not resettable version for aggressive gases (stainless steel diaphragm) **-NE**³⁾, version for CO₂ (only for type brass) **-CO**, NPT thread **-NPT**

Type AISI 316L	Type brass	Thread	Max. input pressure	Pressure regulation range	Mount. bracket
R 12-1.5 ES	R 12-1.5 MS	G 1/2"	30 bar	0.1 - 1.5 bar	WH 12 ES
R 12-3 ES	R 12-3 MS	G 1/2"	30 bar	0.2 - 3 bar	WH 12 ES
R 12-8 ES	R 12-8 MS	G 1/2"	30 bar	0.5 - 8 bar	WH 12 ES
R 12-15 ES	R 12-15 MS	G 1/2"	50 bar	1 - 15 bar	WH 12 ES
R 12-30 ES**	R 12-30 MS**	G 1/2"	50 bar	2 - 30 bar	WH 12 ES
R 12-50 ES**	R 12-50 MS**	G 1/2"	50 bar	3 - 50 bar	WH 12 ES

Replacement diaphragm (not for piston type regulator)

MEMB R12 ES*	MEMB R12 MS*	Diaphragms made of NBR/PTFE, resettable, for regulator option standard
MEMB R12ES-NB*	MEMB R12MS-NB*	Diaphragm made of NBR/PTFE, not resettable, for regulating option -NB
MEMB R12ES-NE	---	Diaphragms made of stainless steel, not resettable, for regulating option -NE

* changing the NBR/PTFE diaphragms between resettable and not resettable is possible.

** piston type regulator

*** only for type AISI 316L

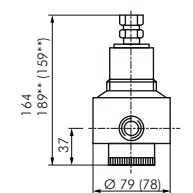
¹⁾ at 8 bar input pressure, 6 bar output pressure and 1 bar pressure drop

Order example: R 12-1.5 ES **

Standard type

Designation for the options:

- Version not resettable
- For gases and liquids**-NB**
- For aggressive gases (not for piston type regulator)**-NE**³⁾
- For CO₂ (only type brass)**-CO**
- NPT thread**-NPT**



values in brackets apply to type brass

Order accessories at the same time!

Suitable pressure gauges can be found on page 372.



Pressure gauge from page 366

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.