



Regulators Catalog





HPReg

4-5



BPreG

11-12



CPreG

6-8



MPreG

12-13



FPreG

9-10



MSReg

14-15

Operation

Pressure regulators are essentially valves that control the pressure of a fluid in a system. There are mainly two types of pressure regulators, pressure reducing and back pressure regulators.

Pressure Reducing Regulators control the pressure of the downstream by the help of either a diaphragm or a piston. The outlet pressure can be adjusted by the handle of the regulator or it can be pre-set to a desired value as per the type of the regulator.

Back Pressure Regulators, on the other hand, control the pressure of the upstream. They basically have the same working principle of the pressure reducing regulators, varying ... The inlet pressure of the regulator is kept constant and the vent opens if inlet pressure exceeds the set value.

Testing

Re-Lok Regulators are tested both for performance and leakage at their respective pressures. The tests are conducted either with Argon and Nitrogen gases.

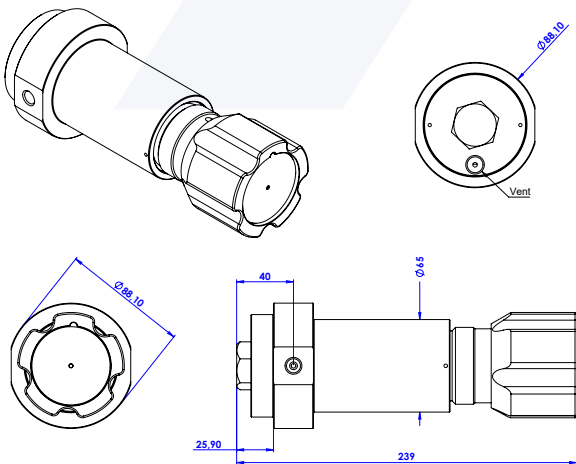
Cleaning and Packaging

Re-Lok Regulators are cleaned compliant with DEF/STAN 58-96/4. After the regulators successfully pass every test, they are packaged accordingly to protect them from any damage or impurities.





Our most heavy-duty and sturdy regulator with pressure control range up to 690 bar.



- ### CHARACTERISTICS
- Robust and Leaktight Design
 - 316SS Body Structure
 - 7 Pressure Range Options
 - Self-Venting Option
 - Selectable Handle Color Options
 - Different Outlet Connection Adaptors
 - Low Dead Volume
 - DEF/STAN 58-96/4 Compliant
 - High Resistance to Overpressure

- ### TECHNICAL SPECIFICATIONS
- Design Temperature: -45°C/+71°C
 - Working Temperature: -40°C / +63°C
 - Max Inlet Pressure: Up to 690 bar
 - Flow Capacity: 400 NL/min
 - Max Weight: 4,750.0 g
 - Max Size: 240 x 89 x 89 mm
 - Seat Material: PEEK
 - Back Up Rings: PTFE

Component	Material
Knob Handle	Polyamide
Spring	316SS
Stem	316SS
Seat	PEEK
Filter	316SS
Poppet	316SS
Body	316SS
Piston	316SS

HPREG - 700 - SS - NBR - 0.06 - S - NPT



1. Pressure Control Range

- 50: 0 - 50 bar (0 - 725 psi)
- 100: 0 - 100 bar (0 - 1,450 psi)
- 140: 0 - 140 bar (0 - 2,000 psi)
- 200: 0 - 200 bar (0 - 2,900 psi)
- 414: 0 - 414 bar (0 - 6,000 psi)
- 550: 0 - 550 bar (0 - 8,000 psi)
- 690: 0 - 690 bar (0 - 10,000 psi)

2. Material*

316SS: SS

3. O - Ring

NBR: NBR
FKM: FKM

4. CV*

0.06: 0.06

5. Venting

Self-Venting: S
Non-Venting: N

6. Connection Type

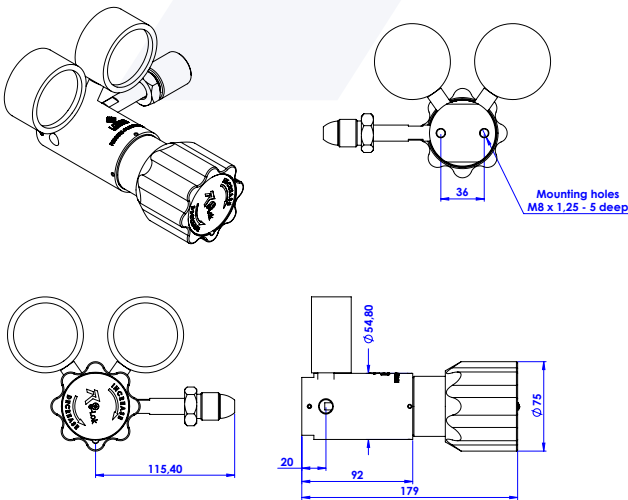
NPT: NPT
BSPP: BSP
MP: MP

* Please contact Re-Lok for different regulator options.





Re-Lok's robust regulator to use with any type of gas cylinders.



- ### CHARACTERISTICS
- Robust and Leaktight Design
 - 316SS Body Structure
 - 6 Pressure Range Options
 - 5 Gauge Port Options
 - Self-Venting Option
 - Various Cylinder Connections
 - Selectable Handle Color Options
 - Different Outlet Connection Adaptors
 - Low Dead Volume
 - DEF/STAN 58-96/4 Compliant
 - High Resistance to Overpressure

- ### TECHNICAL SPECIFICATIONS
- Design Temperature: -45°C/+71°C
 - Working Temperature: -40°C / +63°C
 - Max Inlet Pressure: Up to 550 bar
 - Flow Capacity: 400 NL/min
 - Max Weight: 2,750.0 g
 - Max Size: 180 x 75 x 75 mm
 - Seat Material: PEEK
 - Back Up Rings: PTFE

Component	Material
Knob Handle	Polyamide
Spring	316SS
Stem	316SS
Seat	PEEK
Filter	316SS
Poppet	316SS
Body	316SS
Piston	316SS

CPREG - 700 - SS - NBR - 0.2 - S - NPT - 1 - B - A



1. Pressure Control Range

- 50: 0- 50 bar (0 - 725 psi)
- 100: 0- 100 bar (0 - 1,450 psi)
- 140: 0- 140 bar (0 - 2,000 psi)
- 200: 0- 200 bar (0 - 2,900 psi)
- 414: 0- 414 bar (0- 6,000 psi)
- 550: 0- 550 bar (0 - 8,000 psi)

2. Material*

316SS: SS

3. O - Ring

NBR: NBR
FKM: FKM

4. CV*

0.06: 0.06

5. Venting

Self-Venting: S
Non-Venting: N

6. Connection Type

NPT: NPT
BSPP: BSP
MP: MP

7. Pressure Gauge

0: None
1: 1 Gauge
2: 2 Gauges

8. Port Options

See Pg. 8

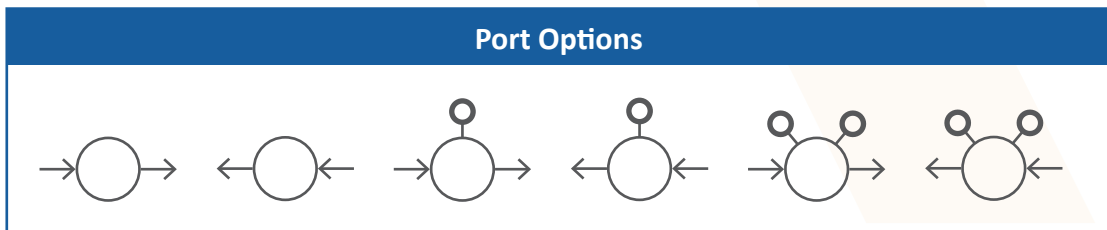
9. Cylinder

Connection Options
See Pg. 8

* Please contact Re-Lok for different regulator options.



Cylinder Connection	Gases	Rated Pressure psi / bar	Connection Indicator
CGA 320	Carbon Dioxide (CO ₂)	3000 / 206	1
CGA 347	High Pressure Air	5500 / 379	2
CGA 350	Hydrogen, Natural Gas	3000 / 206	3
CGA 540	Oxygen	3000 / 206	4
CGA 580	Helium, Nitrogen	3000 / 206	5
CGA 590	Sulfur Hexafluoride	3000 / 206	6
CGA 660	Nitrogen Dioxide, Phosgene	3000 / 206	7
CGA 680	High Pressure Inert Gas	5500 / 379	8
CGA 695	High Pressure Flammable Gas	5500 / 379	9
BS 3	Argon, Helium	3600 / 250	10
BS 4	Hydrogen, Natural Gas	3600 / 250	11
BS 8	Carbon Dioxide	3600 / 250	12
BS/ISO 30	High Pressure Inert Gas	4351 / 300	13
BS/ISO 31	High Pressure Air	4351 / 300	14
BS/ISO 32	High Pressure Oxidising Gas	4351 / 300	15
BS/ISO 38	High Pressure Flammable Gas	4351 / 300	16
DIN 1	Ethane, Hydrogen	4351 / 300	17
DIN 5	Carbon Monoxide, Hydrogen Sulfide	4351 / 300	18
DIN 6	Ammonia, Xenon	4351 / 300	19
DIN 8	Chlorine, Hydrogen Chloride	4351 / 300	20
DIN 10	Nitrogen	4351 / 300	21
DIN 13	Air	4351 / 300	22





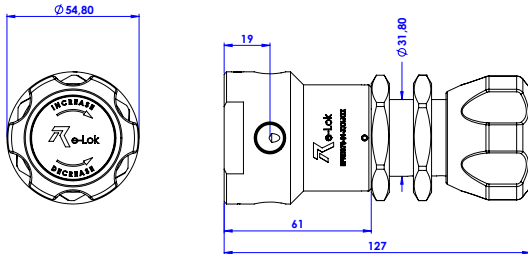
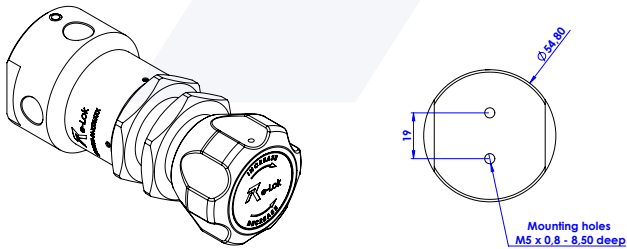
CHARACTERISTICS

- Robust and Leaktight Design
- Lightweight and Compact
- 316SS Body Structure
- 6 Gauge Port Options
- Self-Venting Option
- Selectable Handle Color Options
- Different Outlet Connection Adaptors
- Low Dead Volume
- DEF/STAN 58-96/4 Compliant
- High Resistance to Overpressure

Our compact regulator with pressure control range up to various port options.

TECHNICAL SPECIFICATIONS

- Design Temperature: -45°C/+71°C
- Working Temperature: -40°C / +63°C
- Max Inlet Pressure: Up to 250 bar
- Flow Capacity: 200 NL/min
- Max Weight: 1,230.0 g
- Max Size: 127 x 55 x 55 mm
- Seat Material: PEEK
- Self-Venting Seat Material: ETFE
- Back Up Rings: PTFE



Component	Material
Knob Handle	Polyamide
Spring	316SS
Stem	316SS
Seat	PEEK
Filter	316SS
Poppet	316SS
Body	316SS
Piston	316SS

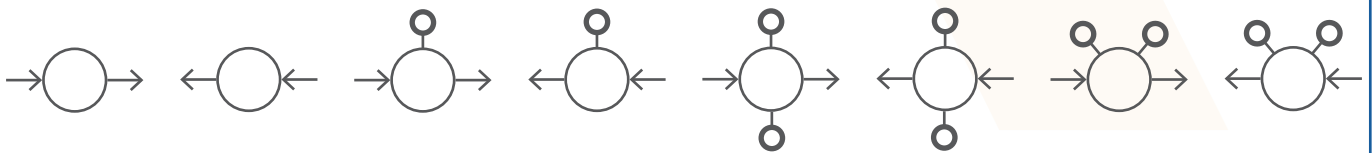
FPREG - 700 - SS - NBR - 0.2 - S - NPT - 1 - B



<p>1. Pressure Control Range 70: 0- 70 bar (0 - 1,015 psi)</p> <p>2. Material* 316SS: SS</p> <p>3. O - Ring NBR: NBR FKM: FKM</p> <p>4. CV* 0.06: 0.06</p>	<p>5. Venting Self-Venting: S Non-Venting: N</p> <p>6. Connection Type NPT: NPT BSPP: BSP MP: MP</p>	<p>7. Pressure Gauge 0: None 1: 1 Gauge 2: 2 Gauges</p> <p>8. Port Options See Below</p>
--	--	--

* Please contact Re-Lok for different regulator options.

Port Options





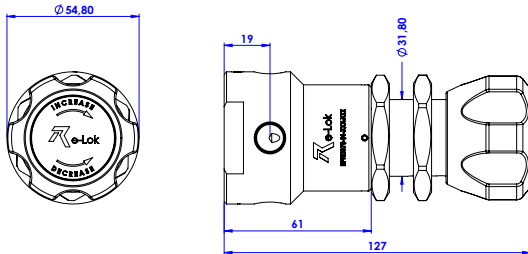
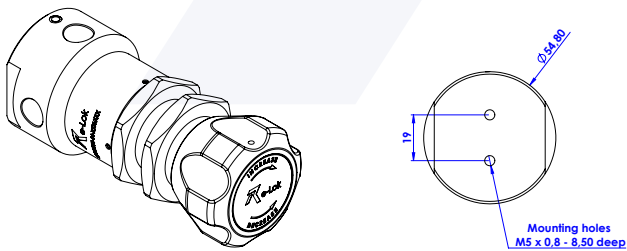
CHARACTERISTICS

- Robust and Leaktight Design
- Lightweight and Compact
- 316SS Body Structure
- 8 Gauge Port Options
- Selectable Handle Color Options
- Different Outlet Connection Adaptors
- Low Dead Volume
- DEF/STAN 58-96/4 Compliant
- High Resistance to Overpressure

Our one and only Back Pressure Regulator with sensitive pressure control.

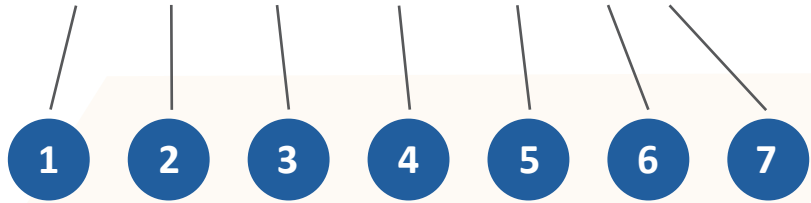
TECHNICAL SPECIFICATIONS

- Design Temperature: -45°C/+71°C
- Working Temperature: -40°C / +63°C
- Max Inlet Pressure: Up to 250 bar
- Flow Capacity: 200 NL/min
- Max Weight: 1,230.0 g
- Max Size: 127 x 55 x 55 mm
- Seat Material: PEEK
- Back Up Rings: PTFE



Component	Material
Knob Handle	Polyamide
Spring	316SS
Stem	316SS
Seat	PEEK
Filter	316SS
Poppet	316SS
Body	316SS
Piston	316SS

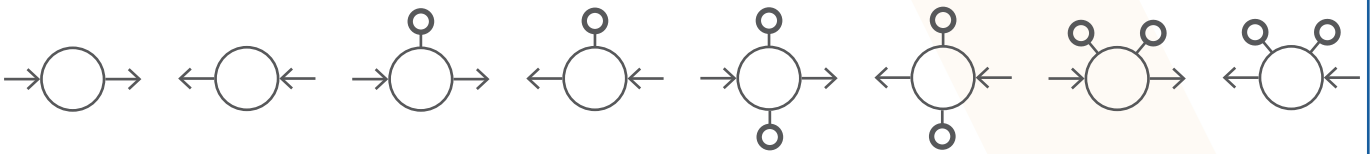
BPREG - 700 - SS - NBR - 0.06 - NPT - 1 - B



1. Pressure Control Range 70: 0- 70 bar (0 - 1,015 psi)	4. CV* 0.06: 0.06	6. Pressure Gauge 0: None 1: 1 Gauge 2: 2 Gauges
2. Material* 316SS: SS	5. Connection Type NPT: NPT BSPP: BSP MP: MP	7. Port Options See Below
3. O - Ring NBR: NBR FKM: FKM		

* Please contact Re-Lok for different regulator options.

Port Options

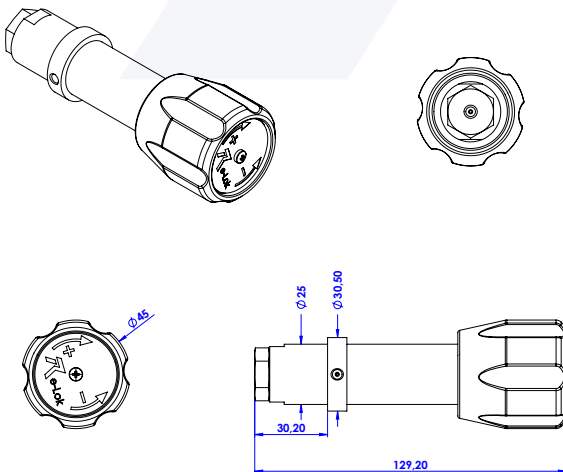




CHARACTERISTICS

- Robust and Leaktight Design
- Lightweight and Compact
- 316SS Body Structure
- Handle or Set Screw Options
- Selectable Handle Color Options
- Almost Zero Dead Volume
- DEF/STAN 58-96/4 Compliant
- High Resistance to Overpressure

Re-Lok's tiny but mighty regulator with set pressure up to 700 bar.



TECHNICAL SPECIFICATIONS

- Design Temperature: -45°C/+71°C
- Working Temperature: -40°C / +63°C
- Max Inlet Pressure: Up to 700 bar
- Flow Capacity: 200 NL/min
- Max Weight: 325.0 g
- Max Size: 130 x 45 x 45 mm
- Seat Material: PEEK
- Back Up Rings: PTFE

Component	Material
Knob Handle	Polyamide
Spring	316SS
Stem	316SS
Seat	PEEK
Filter	316SS
Poppet	316SS
Body	316SS
Piston	316SS

MCREG - 700 - SS - NBR - 0.06 - H - V



1. Pressure Control Range 50: 0- 50 bar (0 - 725 psi) 100: 0- 100 bar (0 - 1,450 psi) 140: 0- 140 bar (0 - 2,000 psi) 200: 0- 200 bar (0 - 2,900 psi) 414: 0- 414 bar (0- 6,000 psi) 550: 0- 550 bar (0 - 8,000 psi) 700: 0- 700 bar (0 - 10,000 psi)	2. Material* 316SS: SS 3. O - Ring NBR: NBR FKM: FKM 4. CV* 0.06: 0.06	5. Control Type H: Handle S: Set Screw 6. Connection Type Contact Re-Lok
---	---	--

* Please contact Re-Lok for different regulator options.

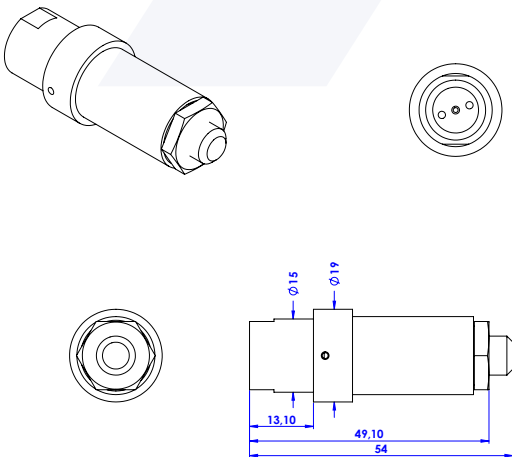




CHARACTERISTICS

- Robust and Leaktight Design
- Lightweight and Compact
- Easy to Use with Set Pressure
- 316SS Body Structure
- Almost Zero Dead Volume
- DEF/STAN 58-96/4 Compliant
- High Resistance to Overpressure

Our smallest and easiest to use regulator with factory-set outlet pressure.



TECHNICAL SPECIFICATIONS

- Design Temperature: -45°C/+71°C
- Working Temperature: -40°C / +63°C
- Max Inlet Pressure: Up to 550 bar
- Flow Capacity: Up to 100 NL/min
- Max Weight: 75.0 g
- Max Size: 54 x 19 x 19 mm
- Seat Material: PEEK
- Back Up Rings: PTFE

Component	Material
Knob Handle	Polyamide
Spring	316SS
Stem	316SS
Seat	PEEK
Filter	316SS
Poppet	316SS
Body	316SS
Piston	316SS

MCREG - 100 - SS - NBR - 0.06



This regulator is a factory-set pressure reducing regulator. When you are ordering, please inform Re-Lok about your desired flow rate and outlet pressure value and.

1. Pressure Set Value	2. Material*
50: 50 bar (725 psi)	316SS: SS
100: 100 bar (1,450 psi)	3. O - Ring
140: 140 bar (2,000 psi)	NBR: NBR
200: 200 bar (2,900 psi)	FKM: FKM
414: 414 bar (6,000 psi)	4. CV*
550: 550 bar (8,000 psi)	0.06: 0.06

* Please contact Re-Lok for different regulator options.



Contact

You can contact us for all of your questions and requests from info@re-lok.com

If you would like to request a quote or place a regular or custom order, you can send an email to sales@re-lok.com

If you have any questions about technical matters such as assembly, quality standards or pipes, please reach us from support@re-lok.com

For any type of collaboration or partnership, contact us from global@re-lok.com

If you have further questions or concerns, feel free to call us from +90 (312) 385 2082

