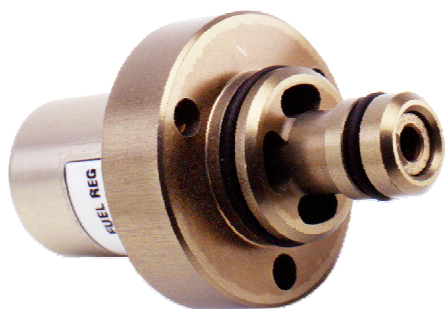


PRESSURE REGULATOR

MINIATURE



A two chamber, diaphragm type fuel pressure regulator. The fuel chamber is separated from the spring chamber by a fabric reinforced, fluoro rubber diaphragm, which is pre-loaded by a compression spring. The spring housing is vented to atmosphere. Alternatively, for turbo charger applications, a version is available in which the vent has a port which may be connected to the manifold to enable the regulator to track manifold pressure.

Connection to the fuel rail is by partitions in the fuel chamber. The regulator is available in two body styles: flanged and round.

Please request our installation datasheet for further details.

Electrical

- Reflow characteristic, rated and maximum pressures are shown in the order details
- Reflow set point 110l/hr
- Full reflow >400l/hr
- Rated pressure is calibrated at reflow set point
- Rated pressure accuracy ± 25 mbar at reflow set point
- Reflow characteristic is the pressure increase due to each 100l/hr reflow above set point
- Burst pressure 20barg (exceeding this pressure is likely to damage the regulator)
- Sealing pressure (minimum pressure held 5 min after supply has stopped)
 - 1.5barg (rated pressure 3.5barg)
 - 3barg (rated pressure 5.0barg)
 - 4barg (rated pressure ≥ 6.0 barg)
- Regulation accuracy ± 80 mbar on reflow testing

Application

- Fuel pressure control for injector systems

Mechanical

- Aluminium alloy, hard anodised body
- Weight less than 80g (85g with manifold port)

Design and manufacture is in-house, so if our existing designs do not suit your application, we can provide cost effective customised parts to suit even the most demanding application.

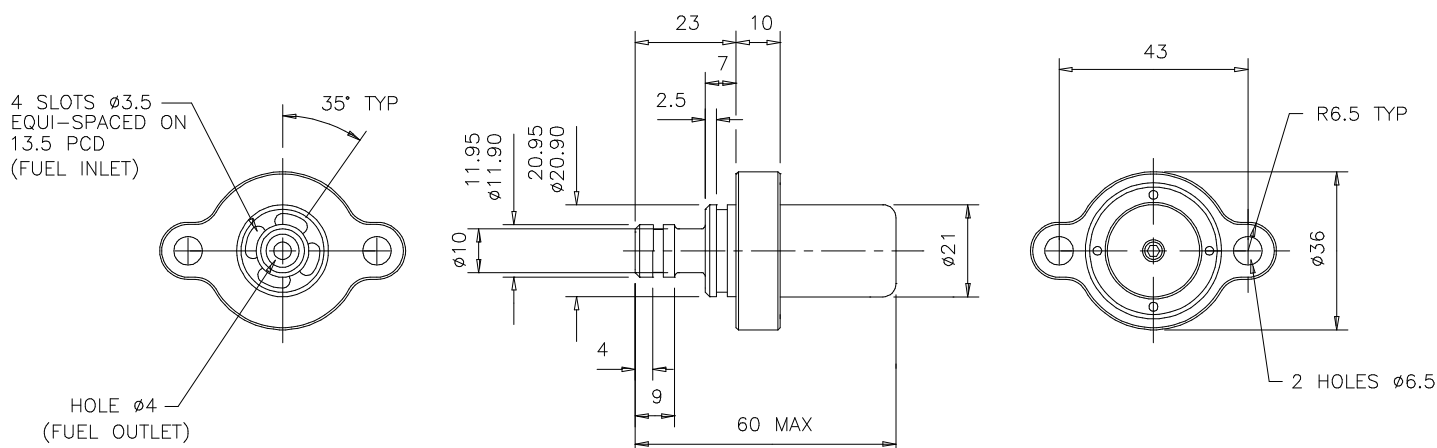
Please contact our technical consultancy service who will be pleased to help.

Environmental

- Resistant to standard motorsport fluids
- Operating temperature 0 to +125°C

PRESSURE REGULATOR

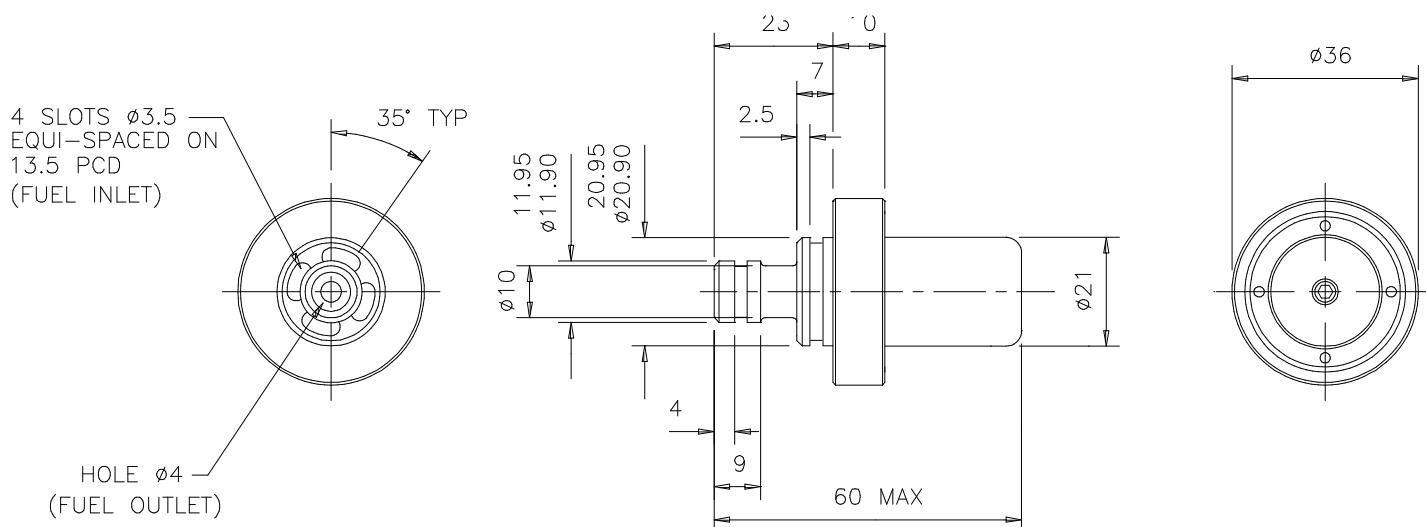
MINIATURE



Rated Pressure	Max Pressure	Reflow Characteristic	Order Code
3.5barg	5barg	< 40mbar/(100l/h)	O 030 510 100 035
5.0barg	8barg	< 50mbar/(100l/h)	O 030 510 100 005
6.0barg	10barg	< 60mbar/(100l/h)	O 030 510 100 006
7.0barg	11barg	< 70mbar/(100l/h)	O 030 510 100 007
8.0barg	12barg	< 80mbar/(100l/h)	O 030 510 100 008
9.0barg	13barg	< 80mbar/(100l/h)	O 030 510 100 009
10.0barg	14barg	< 90mbar/(100l/h)	O 030 510 100 010
11.0barg	15barg	< 100mbar/(100l/h)	O 030 510 100 011
12.0barg	16barg	< 100mbar/(100l/h)	O 030 510 100 012
13.0barg	17barg	< 110mbar/(100l/h)	O 030 510 100 013
14.0barg	18barg	< 120mbar/(100l/h)	O 030 510 100 014
Accessories	Set of 2 O rings		O 030 510 990 001

PRESSURE REGULATOR

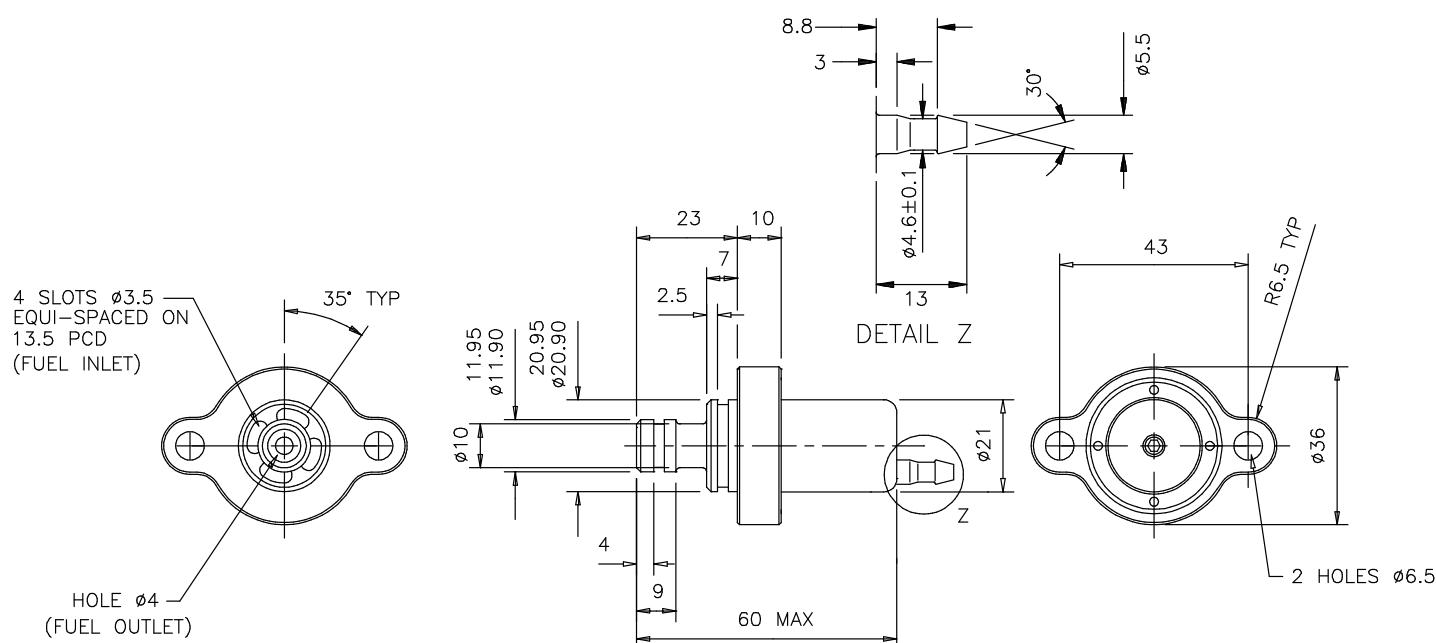
MINIATURE



Rated Pressure	Max Pressure	Reflow Characteristic	Order Code
3.5barg	5barg	< 40mbar/(100l/h)	O 030 510 100 135
5.0barg	8barg	< 50mbar/(100l/h)	O 030 510 100 105
6.0barg	10barg	< 60mbar/(100l/h)	O 030 510 100 106
7.0barg	11barg	< 70mbar/(100l/h)	O 030 510 100 107
8.0barg	12barg	< 80mbar/(100l/h)	O 030 510 100 108
9.0barg	13barg	< 80mbar/(100l/h)	O 030 510 100 109
10.0barg	14barg	< 90mbar/(100l/h)	O 030 510 100 110
11.0barg	15barg	< 100mbar/(100l/h)	O 030 510 100 111
12.0barg	16barg	< 100mbar/(100l/h)	O 030 510 100 112
13.0barg	17barg	< 110mbar/(100l/h)	O 030 510 100 113
14.0barg	18barg	< 120mbar/(100l/h)	O 030 510 100 114
15.0barg	19barg	< 130mbar/(100l/h)	O 030 510 100 115
Accessories	Set of 2 O rings		O 030 510 990 001

PRESSURE REGULATOR

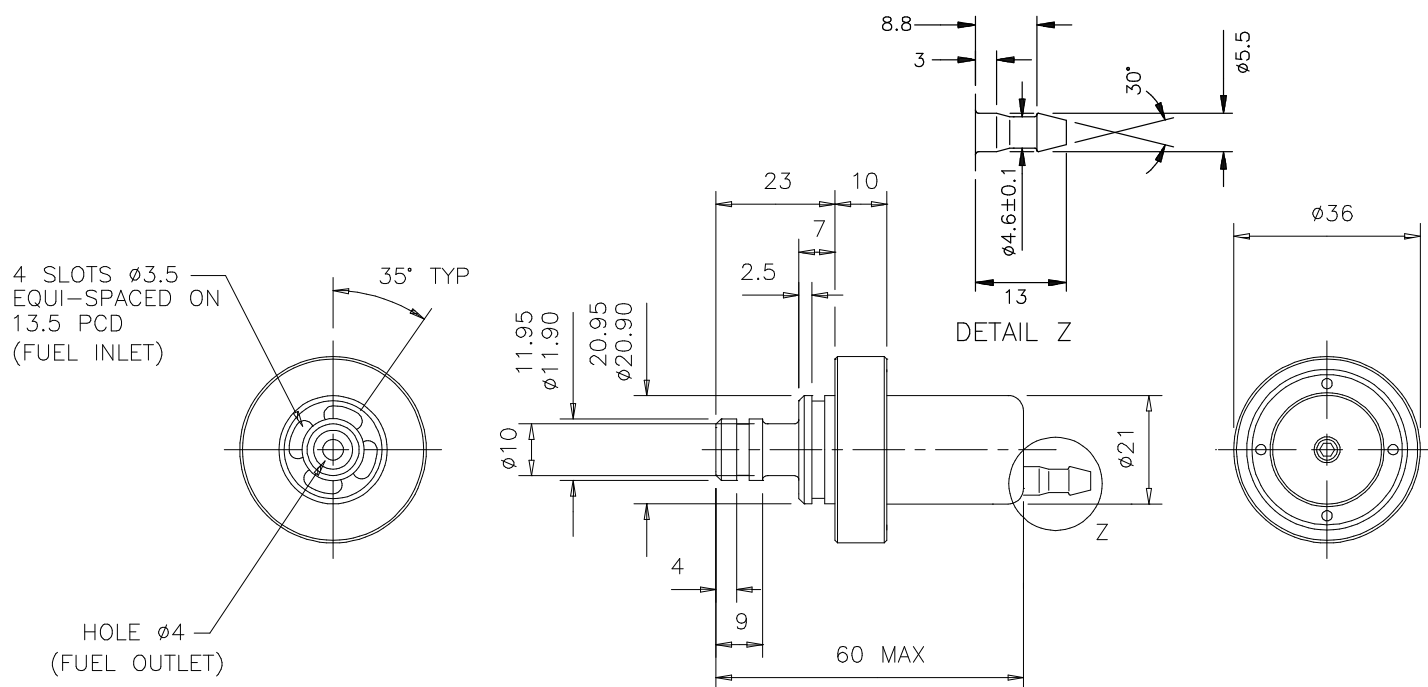
MINIATURE



Rated Pressure	Max Pressure	Reflow Characteristic	Order Code
3.5barg	5barg	< 40mbar/(100l/h)	O 030 510 200 035
5.0barg	8barg	< 50mbar/(100l/h)	O 030 510 200 005
6.0barg	10barg	< 60mbar/(100l/h)	O 030 510 200 006
7.0barg	11barg	< 70mbar/(100l/h)	O 030 510 200 007
8.0barg	12barg	< 80mbar/(100l/h)	O 030 510 200 008
9.0barg	13barg	< 80mbar/(100l/h)	O 030 510 200 009
10.0barg	14barg	< 90mbar/(100l/h)	O 030 510 200 010
11.0barg	15barg	< 100mbar/(100l/h)	O 030 510 200 011
12.0barg	16barg	< 100mbar/(100l/h)	O 030 510 200 012
13.0barg	17barg	< 110mbar/(100l/h)	O 030 510 200 013
14.0barg	18barg	< 120mbar/(100l/h)	O 030 510 200 014
Accessories		Set of 2 O rings Silicone Tube 1 metre	O 030 510 990 001 O 030 399 002 001

PRESSURE REGULATOR

MINIATURE



Rated Pressure	Max Pressure	Reflow Characteristic	Order Code
3.5barg	5barg	< 40mbar/(100l/h)	O 030 510 200 135
5.0barg	8barg	< 50mbar/(100l/h)	O 030 510 200 105
6.0barg	10barg	< 60mbar/(100l/h)	O 030 510 200 106
7.0barg	11barg	< 70mbar/(100l/h)	O 030 510 200 107
8.0barg	12barg	< 80mbar/(100l/h)	O 030 510 200 108
9.0barg	13barg	< 80mbar/(100l/h)	O 030 510 200 109
10.0barg	14barg	< 90mbar/(100l/h)	O 030 510 200 110
11.0barg	15barg	< 100mbar/(100l/h)	O 030 510 200 111
12.0barg	16barg	< 100mbar/(100l/h)	O 030 510 200 112
13.0barg	17barg	< 110mbar/(100l/h)	O 030 510 200 113
14.0barg	18barg	< 120mbar/(100l/h)	O 030 510 200 114
Accessories		Set of 2 O rings Silicone Tube 1 metre	O 030 510 990 001 O 030 399 002 001