

**149\_B SERIE**

**1492 BF**

**1492 BF- OPSO**

**1495 BB - OPSO**
**APPLICATION**

- These very high capacity low pressure regulators are mainly used in canalized gas distribution for domestic gas supply or in industrial gas installations.
- They are used in Natural Gas, LPG – Liquefied Petroleum Gas (Butane-Propane or their mixture) or SNG-Synthetic Natural Gas.They can also be used with other non-agressive gases (air,nitrogen,... ).
- They can be equipped with a safety against overpressure (OPSO) and against underpressure (UPSO).
- Working temperature : -20°C ...+60°C (-4F...+140F)

**FEATURES**

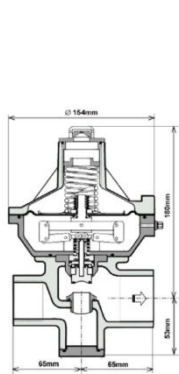
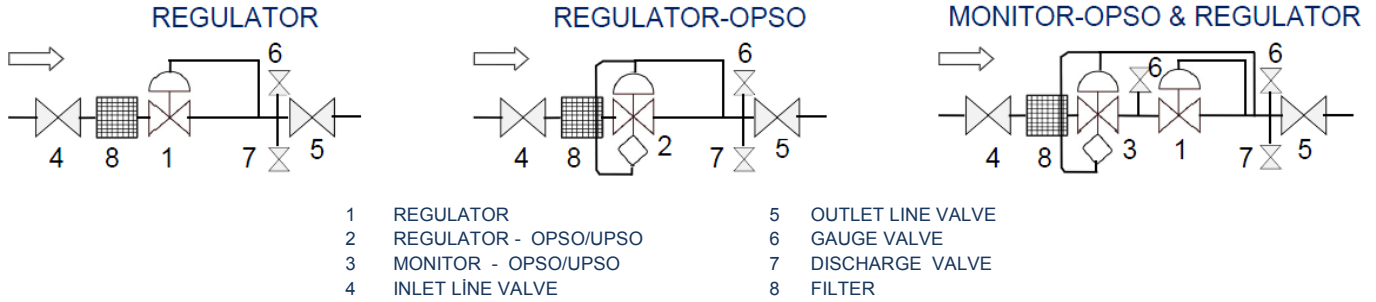
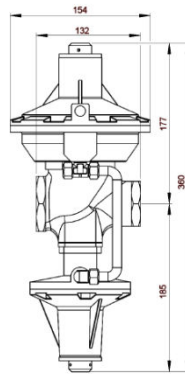
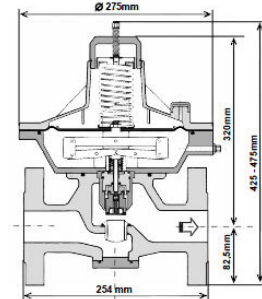
- **Compact and robust design**  
Types of materials,wall thicknesses and surface protection assure the best robustness.The diaphragm assembly is sealed with a dedicated O-ring to provide tightness in all countries.
- **Excellent pressure control**  
Thanks to the balanced seat design,they provide a stable pressure control in all conditions of inlet pressures and flow rates.The regulated pressure is adjustable internally.
- **Pressure Safety Devices**  
**Pressure Relief Valve (PRV)**  
*1492B models* are equipped with an internal limited capacity pressure relief valve.In case of static thermal expansion, this relief valve discharges the over pressure and avoids any unnecessary OPSO triggering.
- **Over Pressure Shut Off (OPSO) – Under Pressure Shut Off (UPSO)**  
Certain models are preequipped with an OPSO/UPSO safety device.The OPSO sensing connection is linked with a tube to the regulator sensing connection.When installing,both must be connected to the downstream pipe. Models delivered with an OPSO/UPSO can be equipped at a later date with OPSO/UPSO safety device.
- **Vent**  
Vent protected from rain by a labyrinth designs.
- **Maintenance**  
They are easily dismantable for maintenance by qualified people.A kit of rubber components (membranes,O-rings) is available.

**CONSTRUCTION**

- Housing and cover in die-cast aluminium alloy protected by painting.
- Valve body is spheroidal graphite cast iron SF420,protected by zinc coating.
- Diaphragm in NBR reinforced with polyamide fibers resistant to LPG , Natural Gas and SNG.
- Valve pad and seals,in NBR resistant to LPG,Natural Gas and SNG.
- Spring in zinc coated steel.
- External sensing device.Compression fitting Ø 10 mm.
- Seat dimension : Ø 17 mm (1492), Ø 36 mm (1495 ).

**COMPLIANCE TO DIRECTIVE**

- All regulators are manufactured in compliance with the Pressure Equipment Directive (PED 97/23/CE). They are CE marked.

**INSTALLATION**

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**1492 BF - OPSO**

**1495 BB**
**ACCESSORIES**

- **OPSO-UPSO safety device** : To be fitted under the regulator.  
Impulse tube Ø 10mm to be connected by compression fitting.
- **Manometers**
- **Filters** : To be installed upstream the regulator.  
Connections : flanges DN50 PN40  
Body material : steel (ASTM A 352 LCC)  
Filtering cartridge in stainless steel (200 µm)
- **Relief valve RV4** : To be installed downstream the regulator.



❖ *Lenght between the flanges : 254 mm*

1491 BF – 1492 BF – 1495 BB						
Code	Model	Connection	Inlet Pressure	Outlet Pressure	OPSO	UPSO
CN-A10 BP	1491 BF	1" x 1"	0,5-5 (0,3) bar	16 – 110 mbar	-	-
CN-A10 BP/B	1491 BF-OPSO	1" x 1"	0,5-5 (0,3) bar	16 – 110 mbar	60 – 180 mbar	10 – 50 mbar
CN-A20 BP	1492 BF	1"x1 ½"	0,5-5 (0,3) bar	16 – 110 mbar	-	-
CN-A20 BP/B	1492 BF-OPSO	1"x1 ½"	0,5-5 (0,3) bar	16 – 110 mbar	60 – 180 mbar	10 – 50 mbar
CN-A50 BP	1495 BB	DN50 x DN50	0,5-5 (0,3) bar	16 – 120 mbar	-	-
CN-A50 BP/B	1495 BB-OPSO	DN50 x DN50	0,5-5 (0,3) bar	16 – 120 mbar	60 – 160 mbar	10 – 90 mbar