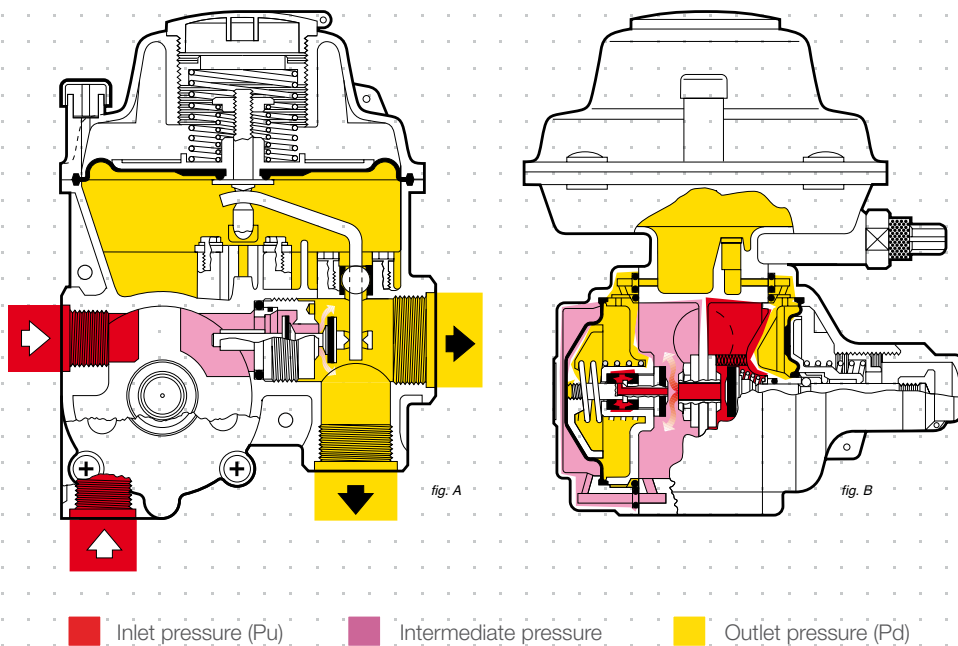




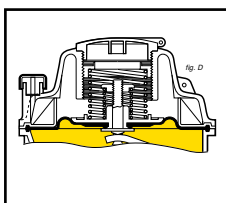
## Mod. FE

Double stage low-medium  
Pressure self-driven regulators

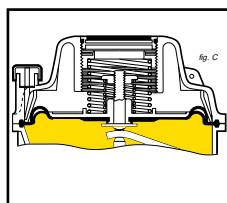
The FE series of two stage self-driven spring loaded regulators are widely used in both civil and industrial installations using Natural Gas, LPG and other non corrosive gases. They are designed for either direct installation to a gas meter or used in general pipeline work. They can be mounted in any position provided they are protected from weather. A balanced two stage regulator results in accurate regulation and high operational reliability. Where the installation is in an enclosed area, the internal relief vent can be piped to outside. Simple installation procedure. The regulators are manufactured according to EN13785.



### Options



TR version (head smaller)  
high pressure



Double diaphragm  
version



Inlet test point  
Type Peterson



Outlet test point  
Type Ø 7,7x0,794



Inviolable plug



**FE**  
with inlet test point



**FE TR**  
version with 2 outlet  
connections

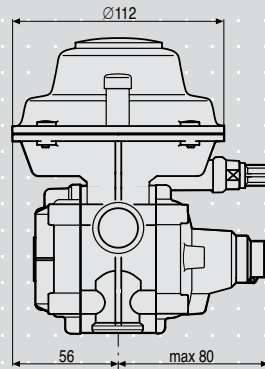
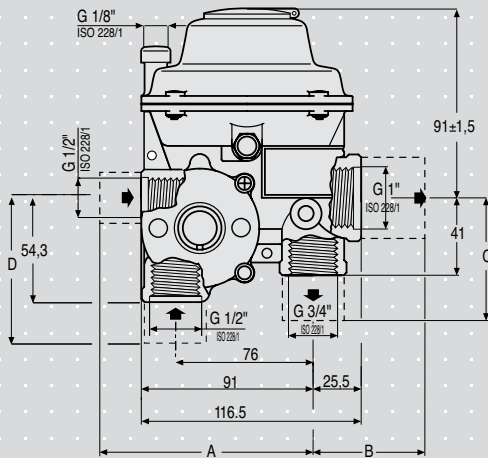


**FE**  
without over pressure  
shut-off device (OPSO)



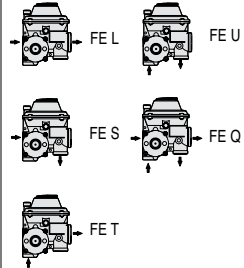
**FE**  
for underground  
installations

## Dimensions



For dimension A-B-C-D depending on selected connections.

## Connection Configuration



## Materials

Body - ZAMAK 3 UNI EN 1774  
Cover - ZAMAK 3 UNI EN 1774

## External treatments

Polyethylene coating on request

## Weight

1,4 ÷ 2 Kg

## Main features

- > Inlet pressure range bpu: 0,15÷8,6 bar - bpu: 2,25÷124 Psi
- > Max allowable pressure: PS 8,6 bar - PS: 124,7 Psi
- > Outlet pressure range Wd:
  - BP: 13÷180 mbar - Wd: 5.2÷72.3" wc
  - TR: 180÷500 mbar - Wd: 72.3÷201" wc
- > Over pressure shut - off setting range:
  - Wd OPSO BP 35÷300 mbar - Wd OPSO BP 14÷120,5" wc
  - Wd UPSO TR 300÷800 mbar - Wd UPSO TR: 120,5÷321,4" wc
- > Accuracy class: AC up to 5%
- > Lock up pressure class: SG up to 10%
- > Temperature class: 2 (-20°C +60°C) - (-4°F +140°F)
- > Response time: lower than 3 sec.

## Safety devices and accessories

- > Inlet filter: area 500 mm<sup>2</sup> (0.775 inch<sup>2</sup>) 100 µm efficiency.
  - > Over pressure shut-off device (OPSO)
  - > Under pressure shut-off device (UPSO). STD value not adjustable.
  - > Excess flow valve.
  - > Manual reset of safety shutoff device only.
  - > Relief valve.
  - > Safety shut-off for second stage diaphragm failure.
- UPON REQUEST**
- > Anti-reset device.
  - > Inlet and outlet pressure test point.
  - > With inlet valve - (without OPSO).
  - > Without OPSO - (without UPSO).
  - > Low temperature version (-40°C+60°C).

CONFORMING TO THE 97/23 CE PED DIRECTIVE

| MODEL | NOMINAL CAPACITY        | REQUIRED MINIMUM INLET PRESSURE BAR (PSI) |
|-------|-------------------------|---|
| FE6   | 6 STM3/H - 211 CF/H     | 0.15 - (2,2)                              |
| FE10  | 10 STM3/H - 353 CF/H    | 0.2 - (3)                                 |
| FE25  | 25 STM3/H - 882.8 CF/H  | 0.3 - (4,3)                               |
| FES   | 50 STM3/H - 1765.7 CF/H | 0.5 - (7.2)                               |

For complete technical details and for the complete set of option refer to the online configurator  
[www.fioxchange.com/cmr](http://www.fioxchange.com/cmr)



Gas meters



Governors



Solenoid valves



**Pietro  
Fiorentini**

Pietro Fiorentini S.p.A.  
via E. Fermi 8/10  
I-36057 Arcugnano (VI) Italy

Tel. +39 0444 968.511  
Fax. +39 0444 960.468

The data are not binding. We reserve the right to make eventual changes without prior notice.

CT-s 571-E November 13

**[www.fiorentini.com](http://www.fiorentini.com)**