

FE

Low-pressure gas regulator



TECHNICAL BROCHURE

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Who we are

We are a global organization that specializes in designing and manufacturing technologically advanced solutions for natural gas treatment, transmission and distribution systems.

We are the ideal partner for operators in the Oil & Gas sector, with a business solutions that span the whole natural gas chain.

We are constantly evolving to meet our customers' highest expectations in terms of quality and reliability.

Our aim is to be a step ahead of the competition, with customized technologies and an after-sale service program undertaken with the highest level of professionalism.



Pietro Fiorentini advantages



Localized technical support

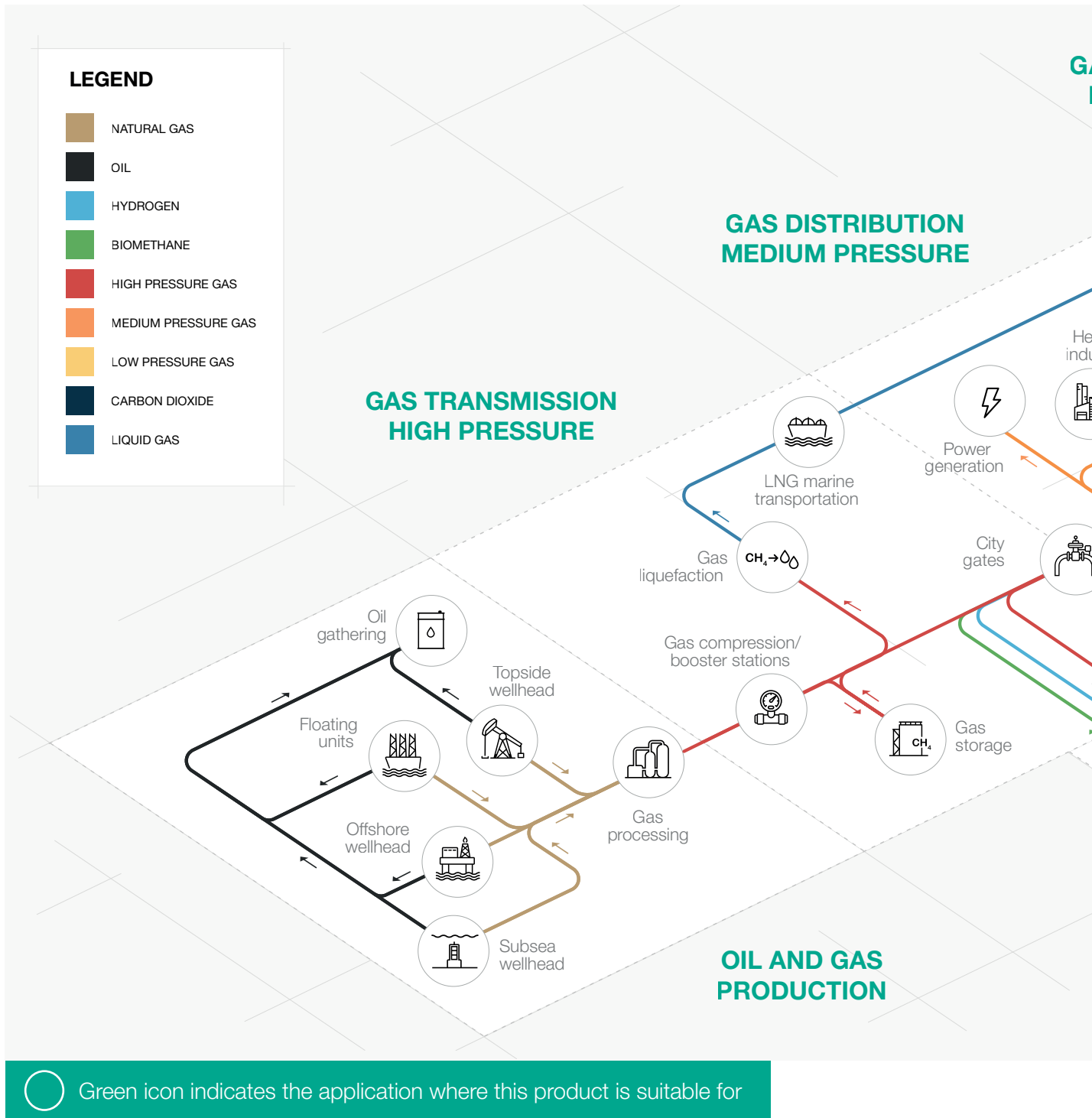


Experience since 1940



Operating in over 100 countries

Area of Application



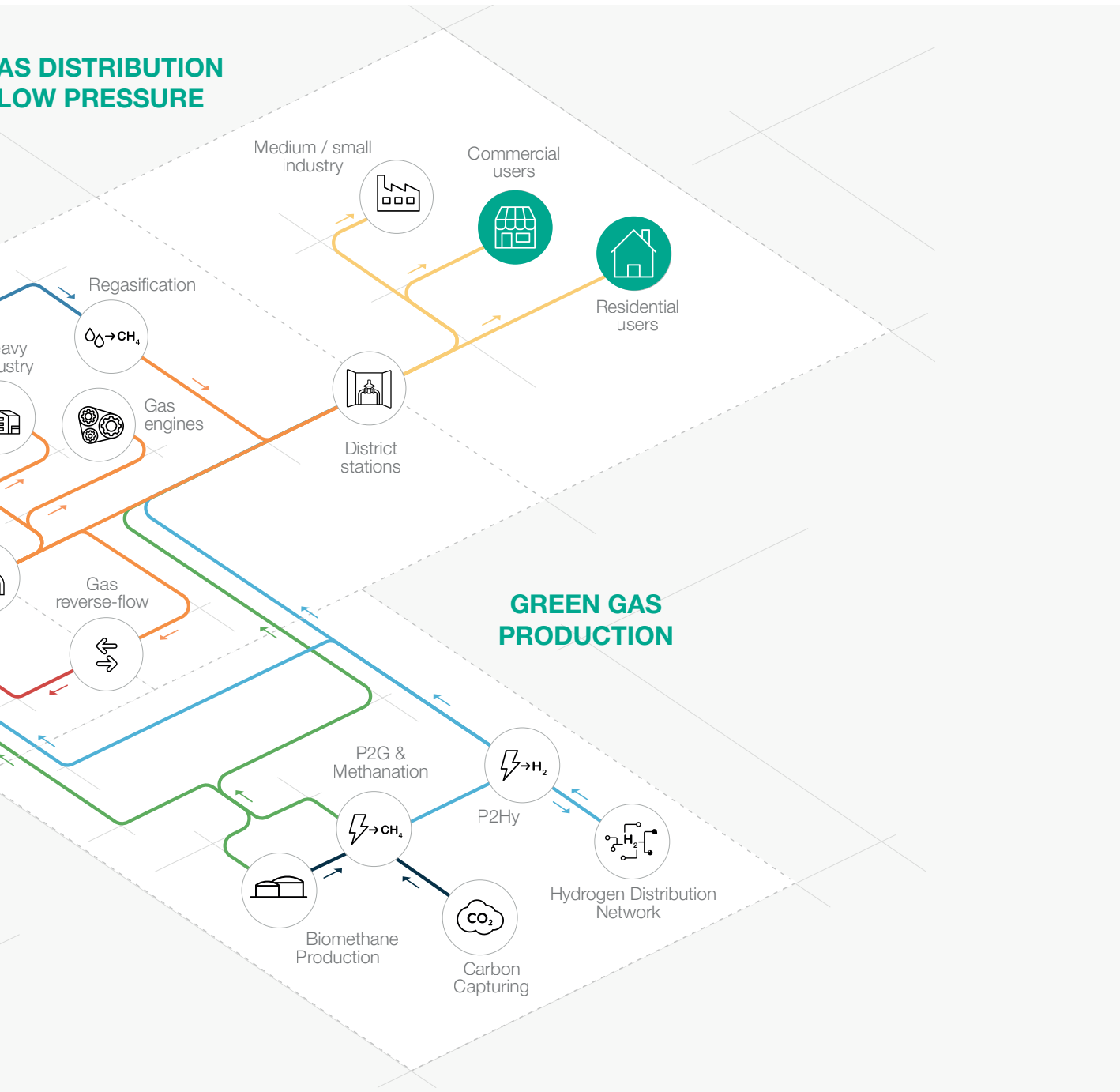


Figure 1 Area of Application Map

Introduction

The **FE** is a two-stage gas pressure regulator by Pietro Fiorentini. There are two types of the regulator:

- FE25 / FE50 spring loaded lever operated;
- FE75 / FE100 spring loaded direct acting.

It is particularly suitable for low pressure natural gas distribution systems for residential and commercial users. It should be used with previously filtered non-corrosive gases including biomethane and natural gas blended with hydrogen.

According to the International Standard ISO 23555-2 and European Standard EN 334, it is classified as **Fail Close** because it is always supplied with an overpressure protection device (slam shut valve).

The FE is **Hydrogen Ready** for NG-H₂ blending.

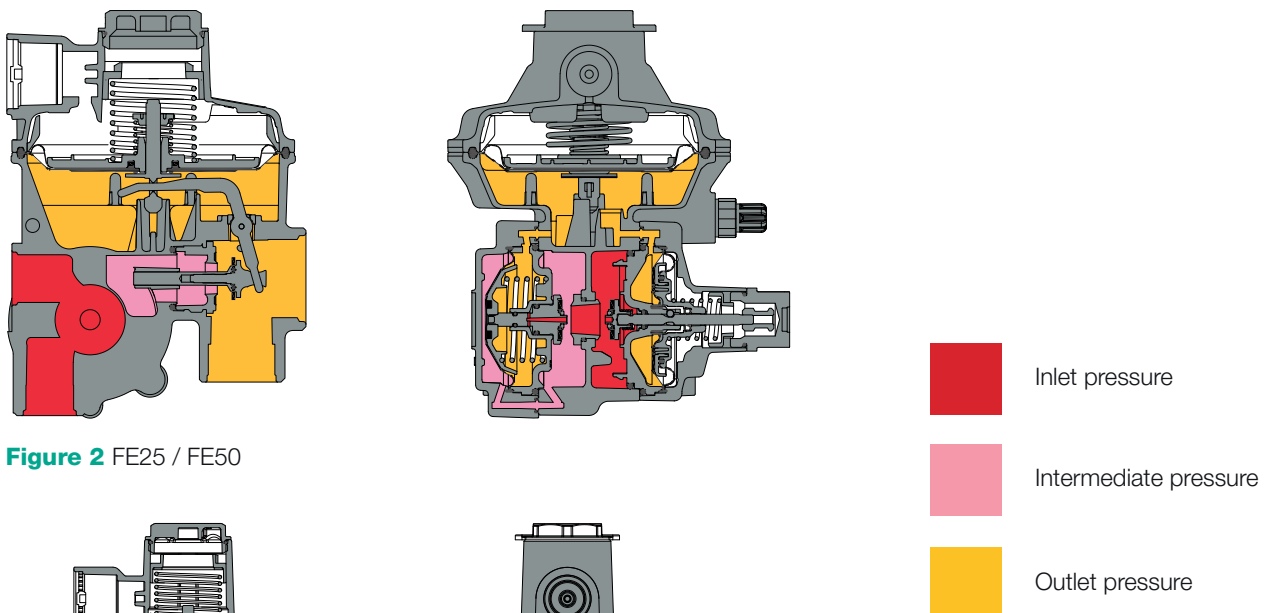


Figure 2 FE25 / FE50

Figure 3 FE75 / FE100

Features and setting ranges

The FE is a two-stage device for low pressure equipped with integrated slam shut (overpressure shut-off OPSO for all models and optional underpressure shut-off UPSO for FE75 / FE100), optional excess flow valve (EFV) which enable UPSO feature (for FE25 / FE50) and fire protection valve.

The balanced first stage regulation limits the pressure variation to the second stage, so it is possible to reach high accuracy of the regulated outlet pressure. Therefore, a balanced double stage regulator has a single-size orifice for all pressure and flow conditions.

The FE can be installed in vertical or horizontal position.

The FE regulator is highly customizable in terms of settings, fittings and accessories.



Figure 4 FE25 (max flow rate **875 scfh** | 25 Sm³/h) and
FE50 (max flow rate **1,500 scfh** | 43 Sm³/h)



Figure 5 FE75 (max flow rate **2,600 scfh** | 75 Sm³/h) and
FE100 (max flow rate **3,500 scfh** | 100 Sm³/h)



FE competitive advantages



Operates with low differential pressure



Slam shut for overpressure
Slam shut for underpressure (FE75 / FE100 only)



Two-stage double diaphragm and single orifice regulator



Highly customizable



Suitable for 1 ft clearance installation with **2.5 cf/h** limited venting



Built-in thermal valve option



Built-in strainer



Built-in flow limiter valve option which enable UPSO feature (FE25 / FE50 only)



Suitable for outdoor installations



Biomethane (RNG) compatible and 20% Hydrogen blending compatible. Higher blending available on request

Features FE25 / FE50

Features	Values	
Design pressure* (PS ¹ / DP ²)	up to 860 kPa up to 125 psig	
	Standard version	Arctic version
Ambient temperature* (TS ¹)**	-30°C to +65°C -20°F to +150°F	-40°C to +65°C -40°F to +150°F
Inlet gas temperature*,***	-20°C to +65°C -4°F to +150°F	-30°C to +65°C -20°F to +150°F
Inlet pressure (MAOP / p _{umax} ¹)	from 10 kPa to 0.86 MPa from 1.45 psig to 125 psig	
	BP version	MP version
Range of downstream pressure Wds	from 1.3 kPa to 18 kPa from 5.2" w.c. to 2.6 psig	from 30 kPa to 40 kPa from 4.35 psig to 5.8 psig
Range of downstream pressure Wdso	from 3.5 kPa to 24.1 kPa from 14" w.c. to 3.5 psig	from 30 kPa to 80 kPa from 4.3 psig to 11.6 psig
Minimum inlet pressure and nominal capacity	- FE25: up to 25 Sm³/h 875 sfch with 28 kPa 4 psig differential pressure - FE 50: up to 43 Sm³/h 1,500 sfch with 69 kPa 10 psig differential pressure	
Accuracy class (AC ¹)	10	
Lock-up pressure class (SG ¹)	20, minimum 0.75 kPa 3" w.c.	
Connections*	In-line 3/4" or 1" NPT according to ANSI B1.20.1, other configurations or connections on request	

(¹) according to EN334 standard

(²) according to ISO 23555-1 standard

(*) NOTE: Different functional features and/or extended temperature ranges may be available on request. Stated inlet gas temperature range is the maximum for which the equipment's full performance, including accuracy is guaranteed. Product may have a different pressure or temperature ranges according to the version and/or installed accessories.

(**) NOTE: Stated temperature range is the operating range for which the equipment's mechanical resistance and leakage rate are guaranteed. Some body materials, if multiple choices are available, may not be suitable for all the available versions shown.

(***) NOTE: Stated temperature range is the range for which the equipment's full performance, including accuracy and lock-up are guaranteed. Some body materials, if multiple choices are available, may not be suitable for all the available versions shown.

Table 1 Features FE25 / FE50

Features FE75 / FE100

Features	Values	
Design pressure* (PS ¹ / DP ²)	up to 860 kPa up to 125 psig	
	Standard version	Arctic version
Ambient temperature* (TS ¹)**	-30°C to +65°C -20°F to +150°F	-40°C to +65°C -40°F to +150°F
Inlet gas temperature* ^{***}	-20°C to +65°C -4°F to +150°F	-30°C to +65°C -20°F to +150°F
Inlet pressure (MAOP / p _{umax} ¹)	from 50 kPa to 0.86 MPa from 7.25 psig to 125 psig	
	BP version	MP version
Range of downstream pressure Wds	from 1.3 kPa to 16 kPa from 5.2”w.c. to 2.3 psig	from 14 kPa to 35 kPa from 2 psig to 5.1 psig
Range of downstream pressure Wdso	from 3.2 kPa to 23.1 kPa from 12.6” w.c. to 3.35 psig	from 21 kPa to 55.2 kPa from 3 psig to 8 psig
Range of downstream pressure Wdsu	from 0.6 kPa to 25 kPa from 2.4” w.c. to 3.6 psig	-
Minimum inlet pressure and nominal capacity	- FE75: up to 75 Sm³/h 2,600 scfh with 50 kPa 7.25 psig differential pressure - FE100: up to 100 Sm³/h 3,500 scfh with 69 kPa 10 psig differential pressure	
Accuracy class (AC ¹)	10	
Lock-up pressure class (SG ¹)	20, minimum 0.75 kPa 3” w.c.	
Connections*	In-line 1”, 1”1/2 NPT according to ANSI B1.20.1, other configurations or connections on request	

(¹) according to EN334 standard
(²) according to ISO 23555-1 standard
(*) NOTE: Different functional features and/or extended temperature ranges may be available on request. Stated inlet gas temperature range is the maximum for which the equipment's full performance, including accuracy is guaranteed. Product may have a different pressure or temperature ranges according to the version and/or installed accessories.
(**) NOTE: Stated temperature range is the operating range for which the equipment's mechanical resistance and leakage rate are guaranteed. Some body materials, if multiple choices are available, may not be suitable for all the available versions shown.
(***) NOTE: Stated temperature range is the range for which the equipment's full performance, including accuracy and lock-up are guaranteed. Some body materials, if multiple choices are available, may not be suitable for all the available versions shown.

Table 2 Features FE75 / FE100



Materials and Approvals

Part	Material
Body	Aluminum
Cover	Aluminum
Diaphragms and seats	Nitrile rubber for BP version Rubberized fabric for MP version
Sealing rings	Nitrile
NOTE: The materials indicated above refer to the standard models. Different materials can be provided according to specific needs.	

Table 3 Materials

Construction Standards and Approvals

The FE regulator is designed according to the International standard ISO 23555-2, European standard EN 16129, Italian Standard UNI 11655, ANSI B109.4, CSA 6.18 and ANSI Z21.80.

The FE25 / FE50 / FE75 / FE100 BP versions are CSA certified.

ANSI Z21.80 certification is limited to 70 kPa | **10 psig** maximum inlet pressure.

Leakage class: bubble tight, better than class VIII according to ANSI/FCI 70-3.



EN16129



UNI 11655



ANSI B109.4



CSA 6.18



ANSI Z21.80



ISO 23555-2

Design pressure

Design pressure (PS according to EN334)				
	Body		Slam shut	
	MPa	psig	MPa	psig
all versions	0.86	125	0.86	125

Table 4 Design pressure for body and slam shut

Maximum allowable operating pressure

MAOP Maximum Allowable Operating Pressure (p_{umax} according to EN334)					
Version		Control head			
		FE BP		FE MP	
		MPa	psig	MPa	psig
WITHOUT CE MARKING	all versions	0.86	125	0.86	125

Table 5 MAOP Maximum Allowable Operating Pressure without CE marking



Springs ranges and control heads

Control heads pressure ranges					
	Control head BP		Control head MP		Spring Table web link
Model	kPa	psig	kPa	psig	
FE25 / FE50	1.49 - 18	0.18 - 2.6	30 - 40	4.35 - 5.8	TT 1868
FE75 / FE100	1.3 - 14	0.19 - 2	14 - 35	2 - 5.1	TT 1869

Table 6 Settings table

Range of the springs for FE25				
Color	Code	Model	Range	
			kPa	" w.c.
YELLOW	US64470401GI	BP	1.5 - 2.2	6 - 9
GREEN	US64470360VE		2.2 - 2.8	8.8 - 11.2
RED	US64470361RO		2.8 - 3.8	11.2 - 15.3
			kPa	psig
GREY	US64470364GR		10 - 14	1.45 - 2.0
BLACK	US64470365NE		14 - 18	2.0 - 2.6
BLACK	US64470365NE	MP	30 - 40	4.35 - 5.8

Table 7 Settings table for FE25

Range of the springs for FE50				
Color	Code	Model	Range	
			kPa	" w.c.
BLUE	US64470358BL	BP	1.5 - 2.2	6 - 9
YELLOW	US64470401GI		2.1 - 2.6	8.5 - 10.5
GREEN	US64470360VE		2.6 - 3.2	10.5 - 13
			kPa	psig
GREY	US64470364GR		10 - 14	1.45 - 2.0
BLACK	US64470365NE		14 - 18	2.0 - 2.6
BLACK	US64470365NE	MP	30 - 40	4.35 - 5.8

Table 8 Settings table for FE50

Range of the springs for FE75 / FE100

Color	Code	Model	Range	
			kPa	" w.c.
WHITE	US64470513BI	BP	1.3 - 2	5.2 - 8
ORANGE	US64470514AR		2 - 2.6	8 - 10.5
GREEN	US64470515VE		2.6 - 4	10.5 - 16
RED	US64470516RO		4 - 6	16 - 24
BLUE	US64470517BL		6 - 8	24 - 32
			kPa	psig
YELLOW	US64470518GI	MP	8 - 14	1.16 - 2
YELLOW	US64470135GI		14 - 21	2.0 - 3.05
GREY	US64470136GR		21 - 35	3.05 - 5.1

General link to the setting tables: [PRESS HERE](#) or use the QR code:



Accessories

For the pressure regulators:

- Thermal safety valve
- Univent

Slam Shut

The FE is always supplied with an incorporated slam shut valve.
The main characteristics of this device are:

-  Slam shut for overpressure
Slam shut for underpressure (FE75 / FE100 only)
-  Double diaphragm

-  Compact dimensions

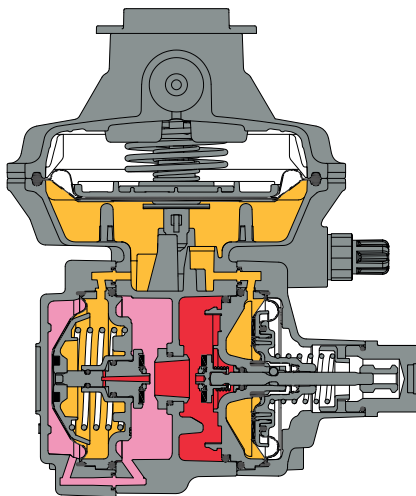


Figure 6 FE25 / FE50 with slam shut

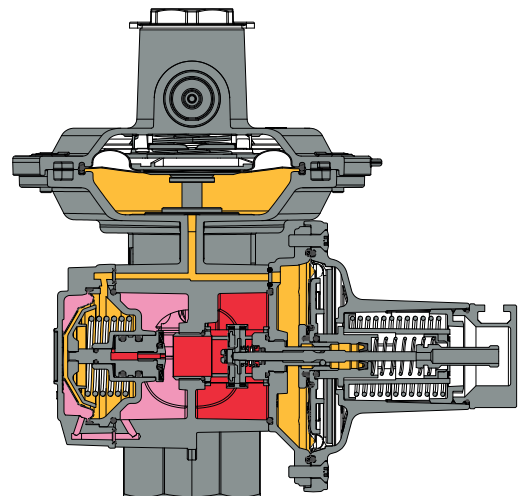


Figure 7 FE75 / FE100 with slam shut



Slam shut types and range					
SSV Type	Model	Operation	Range Wh		Spring Table web link
			kPa	psig	
FE25 / FE50	BP	OPSO	4 - 24	0.6 - 3.5	TT 1868
FE25 / FE50	BP	UPSO	UPSO integrated in excess flow function		
FE25 / FE50	MP	OPSO	30 - 80	4.1 - 11.6	TT 1868
FE25 / FE50	MP	UPSO	UPSO integrated in excess flow function		
			kPa	" w.c.	
FE75 / FE100	BP	OPSO	3.75 - 23.1	15 - 92.8	TT 1869
FE75 / FE100	BP	UPSO	0.6 - 25	2.4 - 99.7	TT 1869
FE75 / FE100	MP	OPSO	21 - 55.2	83.1 - 221.7	TT 1869
FE75 / FE100	MP	UPSO	0.6 - 25	2.4 - 99.7	TT 1869

Table 10 Slam shut types and range

Range of the springs for FE25 / FE50 OPSO				
Color	Code	Model	Range	
			kPa	" w.c.
YELLOW	US64470501GI	BP	4 - 5	16 - 20
YELLOW	US64470502GI		5 - 8.7	20 - 35
GREEN	US64470503VE		8.7 - 10.9	35 - 44
RED	US64470504RO		10.9 - 16.2	44 - 65
ROSE	US64470505RS		16.2 - 24.1	65 - 97
			kPa	psig
GREY	US64470169GR	MP	29.6 - 50	4.3 - 7.2
WHITE	US64470168BI		50 - 80	7.2 - 11.6

Table 11 Settings table for FE25 / FE50 OPSO

Range of the springs for FE75 / FE100 OPSO				
Color	Code	Model	Range	
			kPa	" w.c.
GREEN	US64470506VE	BP	3.7 - 5.4	15 - 21.9
LIGHT BLUE	USU64470113AZ		5.4 - 10	21.9 - 40.1
			kPa	psig
BROWN	US64470507MA		10 - 16	1.45 - 2.3
YELLOW	US64470508GI		16 - 23.1	2.3 - 3.3
YELLOW	US64470116GI	MP	21 - 33	3.05 - 4.8
FUCHSIA	US64470416RS		33 - 55.2	4.79 - 8

Table 12 Settings table for FE75 / FE100 OPSO



Range of the springs for FE75 / FE100 UPSO				
Color	Code	Model	Range	
			kPa	" w.c.
ORANGE	US64470509AR	BP	0.6 - 1.5	2.4 - 6
GREEN	US64470510VE		1.5 - 4	6 - 16
WHITE	US64470511BI		4 - 8	16 - 32
			kPa	psig
RED	US64470512RO		8 - 14	1.16 - 2
YELLOW	US64470038GI		14 - 25	2 - 3.6

Table 13 Settings table for FE75 / FE100 UPSO

IRV

The FE has an integrated token relief valve that discharges a small volume of gas into the atmosphere when the regulator exceeds the relief valve set point. It prevents slam shut valve (with manual reset) to trigger in case of abnormal non-hazardous overpressure conditions. The most common ones are:

- thermal expansion due to the day/night temperature variation
- quick on/off appliance
- small internal leakage

There are two IRV's types available: token relief valve, with discharge rate that depends on the regulator set point, and calibrated relief valve, with a fixed discharge rate. The IRV can be activated or deactivated in the field, if necessary.

Features	Non-relieving (NR) version	Vent-limited calibrated IRV version	Vent-limited token IRV version
IRV	Deactivated	Active	Active
Max relief during diaphragm failure	max 2.5 SCFH	max 2.5 SCFH	max 2.5 SCFH
Thermal safety valve	YES	Optional	Optional
Possible application	Suitable for indoor application. Not suitable for outdoor application ¹	Suitable for outdoor installation with potential ignition sources <1 foot away ¹	Suitable for any outdoor installation with potential ignition sources 1 foot away or more
(*) The installation is permitted only if allowed by the local codes, standards and regulations in force.			

Table 14 Relief versions

Relief valve adjustment springs					
Spring item code	Spring color	Spring range			
		Min.		Max.	
		kPa	" w.c.	kPa	" w.c.
US64470027VER	Green	2 + Pd	8 + Pd	5 + Pd	20 + Pd
US64470029GIA	Yellow	1.1 + Pd	4.4 + Pd	2 + Pd	8 + Pd
US64470213BL	Blue	0.8 + Pd	3.2 + Pd	1.1 + Pd	4.4 + Pd
US64470027VER	Green	15 + Pd	60.2 + Pd	25 + Pd	100.3 + Pd
US64470029GIA	Yellow	Max 14.9 + Pd	Max 59.8 + Pd	Max 14.9 + Pd	Max 59.8 + Pd

Table 15 Relief valve adjustment springs table

Nylon filter

The FE is equipped with a nylon mesh 100 microns | 140 mesh (FE standard version) and 300 microns | 50 mesh (FE arctic version) to prevent foreign particles, such as weld slag or PE shavings, to get stuck between the orifice and seat/disk thus preventing lockup for new installations.

The purpose of the nylon mesh is to provide protection to the FE and its accessories thus protecting the customers downstream piping system.



Figure 8 Nylon filter

Double diaphragm

The FE second stage and the FE slam shut have two diaphragms each: an operating and a safety ones. In case of rupture of the operating diaphragm, the safety diaphragm ensures the operation of the regulator.

In addition, there is a bleed hole (internal vent limiter) in the diaphragm allowing the leak of a minimal amount of gas (< 1 scfh for FE25/FE50, and < 2.5 scfh FE75/FE100) into the atmosphere and making the failure detectable.

Double diaphragm option is available only for maximum regulator's downstream pressure up to 2 psig.

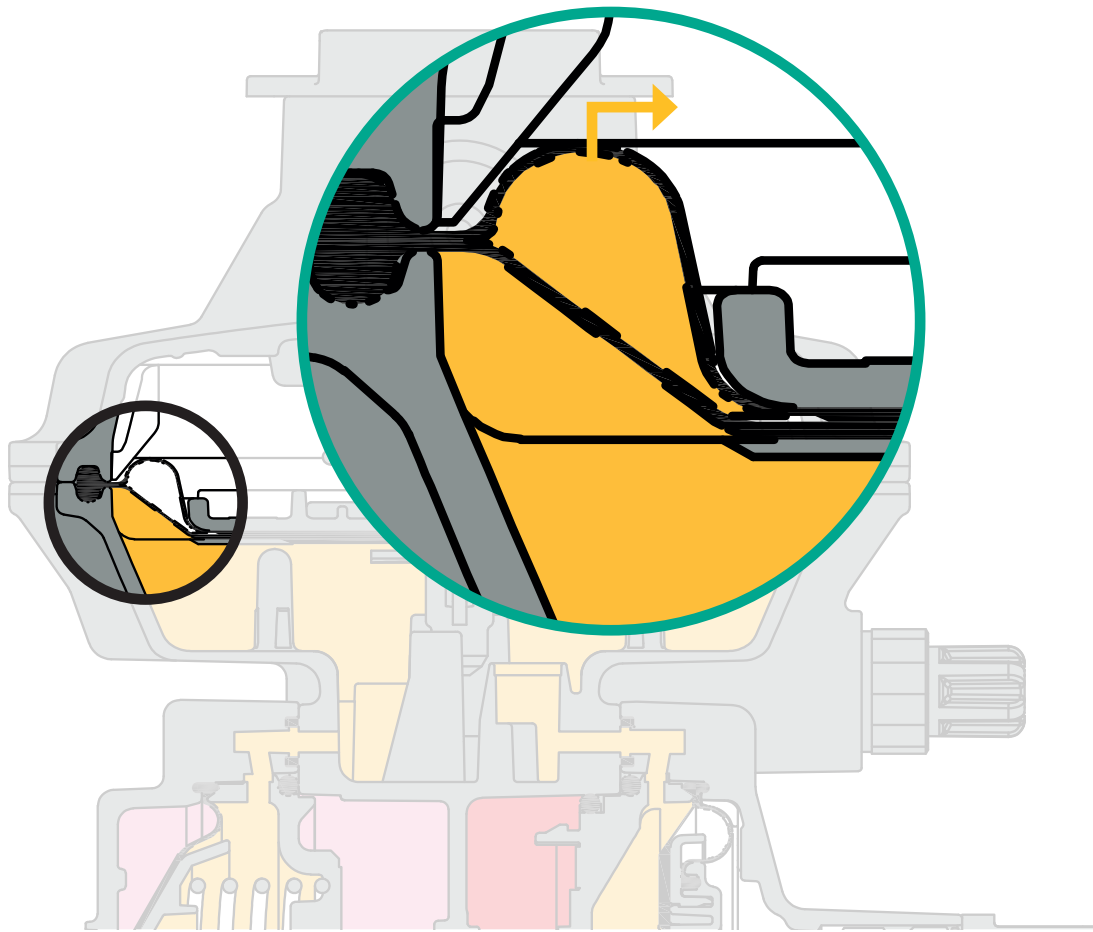


Figure 9 FE 2nd stage double diaphragms

Vent-limited version

The vent-limited version is designed according to CSA 6.22 / ANSI Z21.80 and can be used for outdoor applications or indoor application, when connected to a vent tubing. In this case IRV (token relief valve or calibrated relief valve) is activated. The installation is permitted only if allowed by local codes, standards and regulations in force.

The vent limited version is designed to limit the amount of gas released due to diaphragm failure. In this configuration, the FE's 2nd stage and slam shut are equipped with a double diaphragm. Should the operating diaphragm fail, the safety diaphragm takes over activating a limited vent (<1 scfh for FE25 / FE50, and <2.5 scfh FE75 / FE100). When an additional safety level is required, an optional thermal safety valve is installed on the FE's inlet.

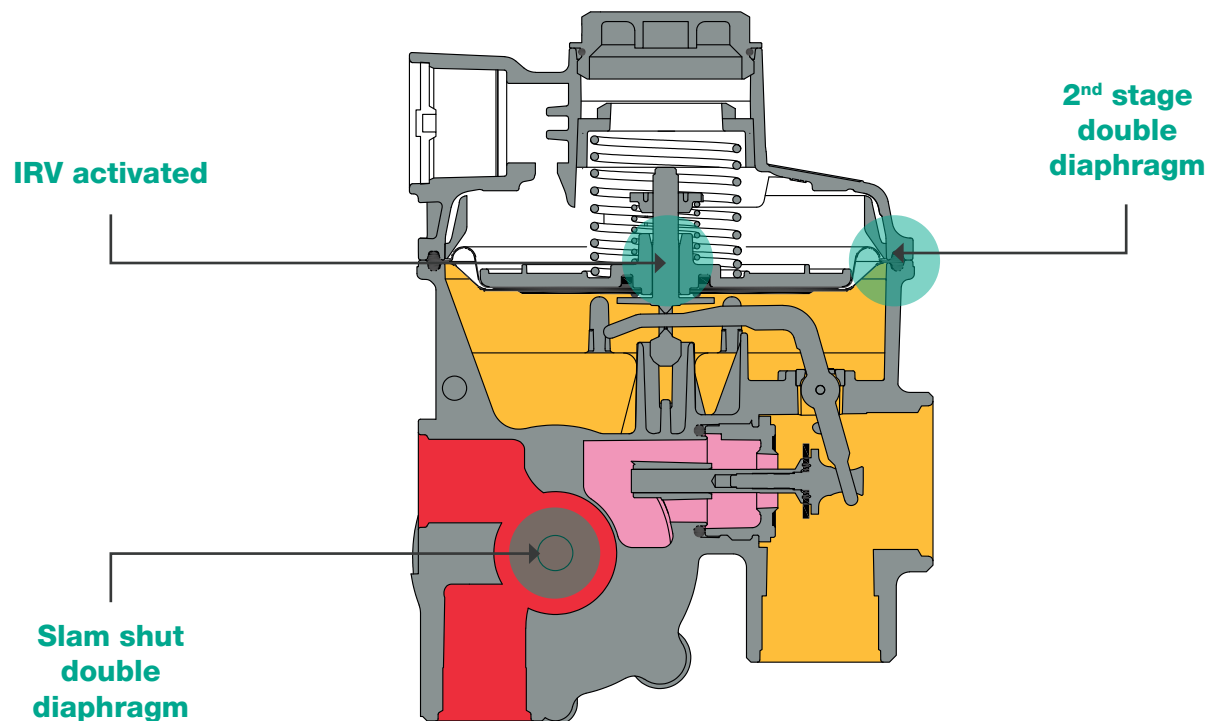


Figure 10 FE vent-limited version



Non-relieving (NR) version

The NR version is designed according to CSA 6.22 / ANSI Z21.80 and can be used for indoor applications, when a vent tubing is not operationally or regulatory required. In this case IRV is permanently deactivated. The installation is permitted only if allowed by the local codes, standards and regulations in force.

The NR version is designed to limit the amount of gas released due to diaphragm failure. In this configuration, the FE's 2nd stage and slam shut are equipped with a double diaphragm and a thermal safety valve is installed on the FE's inlet. Should the operating diaphragm fail, the safety diaphragm takes over activating a limited vent (< 1 scfh for FE25/FE50, and < 2.5 scfh FE75/FE100).

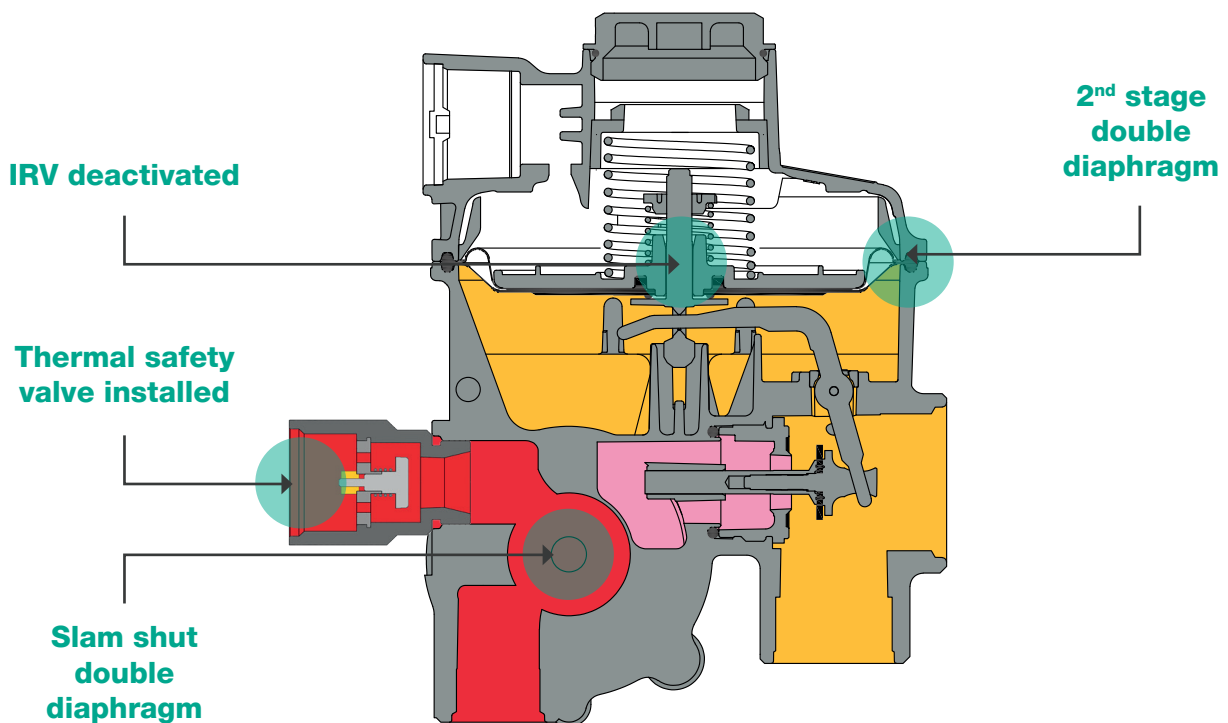


Figure 11 FE NR version

Thermal safety valve

The thermal valve is a safety device that shuts the inlet gas flow in case of excessive temperature, e.g., due to fire.

The valve is rated to stop the gas flow for up to 90 minutes at **1472 °F | 800 °C**. The valve mechanism is composed of a seat, plug, spring, and a block of thermoplastic material. The block holds the valve open under normal conditions, and when the temperature exceeds a certain limit, it softens releasing the plug and stopping the flow. There are two sizes depending on the flow rate and pressure drop: TVD1 (typically for FE25/FE50) and TVD2 (typically for FE75/FE100).

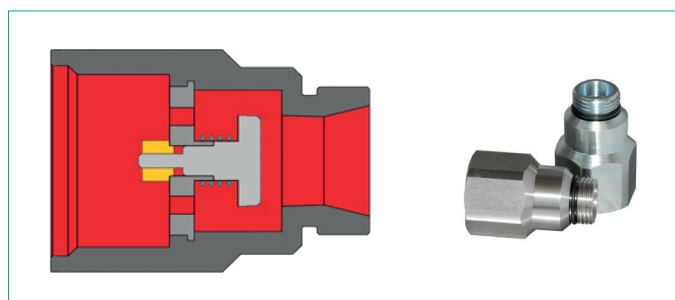


Figure 12 Thermal safety valve

Temperature limits:

320 °F +/- 18 °F | 160°C +/- 10 °C

Fire protection valve TVD1 (FE25 / FE50) pressure drop

Inlet pressure		Flow rate											
		1 m³/h 35 scfh		5 m³/h 175 scfh		9.9 m³/h 350 scfh		14.9 m³/h 525 scfh		24.8 m³/h 875 scfh		42.8 m³/h 1500 scfh	
kPa	psig	kPa	" w.c.	kPa	" w.c.	kPa	" w.c.	kPa	" w.c.	kPa	" w.c.	kPa	" w.c.
6.9	1	0	0	0.3	1.2	1	4	3.73	15	5.5	22	-	-
13.8	2	0	0	0.25	1	0.87	3.5	3.48	14	5	20	-	-
34.5	5	0	0	0.2	0.8	0.75	3	3.23	13	4.5	18	12	50
69	10	0	0	0.15	0.6	0.62	2.5	2.49	10	3.5	14	8	32
≥ 276	≥ 40	0	0	0.1	0.4	0.5	2	1.49	6	2	8	4	16

Table 16 Fire protection valve TVD1 (FE25 / FE50) pressure drop table

Fire protection valve TVD2 (FE75 / FE100) pressure drop

Inlet pressure		Flow rate											
		5 m³/h 175 scfh		9.9 m³/h 350 scfh		20 m³/h 700 scfh		50 m³/h 1750 scfh		75 m³/h 2600 scfh		100 m³/h 3500 scfh	
kPa	psig	kPa	" w.c.	kPa	" w.c.	kPa	" w.c.	kPa	" w.c.	kPa	" w.c.	kPa	" w.c.
6.9	1	0.2	0.8	0.3	1.2	0.5	2	1.74	7	3.5	14	-	-
13.8	2	0.1	0.4	0.15	0.6	0.45	1.8	1.49	6	3	12	-	26
34.5	5	0.05	0.2	0.25	1	0.37	1.5	1.24	5	2.5	10	5	20
69	10	0	0	0.15	0.6	0.2	0.8	1	4	1.2	4.8	4	17
≥ 276	≥ 40	0	0	0.1	0.4	0.15	0.6	0.5	2	0.9	3.6	1	6

Table 17 Fire protection valve TVD2 (FE75 / FE100) pressure drop table



Univent

The univent version offers a single vent connection point for 2nd stage and slam-shut.

FE can be converted easily to the univent version using a retrofitting kit.

Since the FE is a vent limited regulator, the size of the vent pipe can be as small as OD 1/4".

Additionally, there is no impact on performance with 3/8" vent pipes up to 40 ft long and with 1/2" vent pipes up to **100 ft** long.

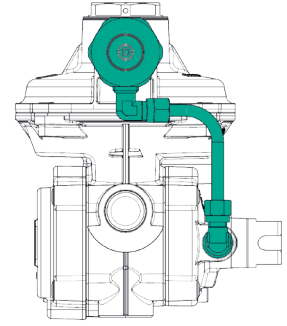
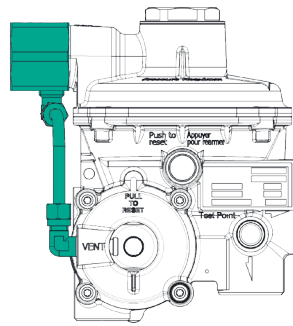


Figure 13 FE univent version



Univent installation video:

[Click here](#)

Underground version

FE underground version offers a single vent connection point for 2nd and slam-shut, to be connected to the snorkel. Stainless steel fittings and regulator's surface treatment ensure its operation in harsh and humid environments.

Weights and Dimensions

FE25 / FE50

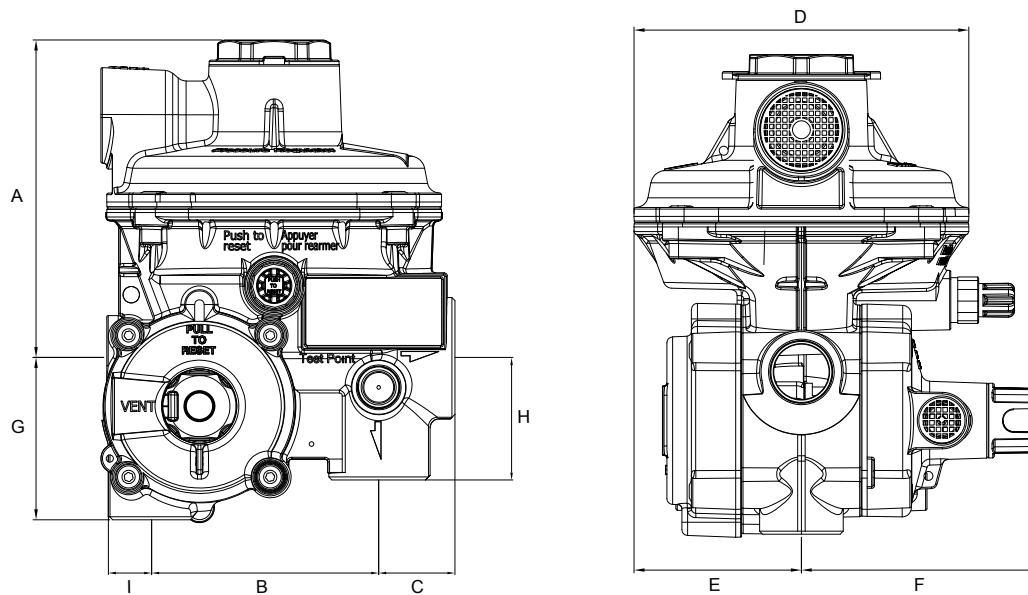


Figure 14 FE25 / FE50 Dimensions

Weights and Dimensions (for other connections, please contact your closest Pietro Fiorentini representative)		
	[mm]	inches
A	106.5	4.18"
B	76.2	3"
C	25.5	1.0"
D	Ø112	Ø4.4"
E	56	2.2"
F	79	3.1"
G	54.3	2.13"
H	41	1.61"
I	14.7	0.58"
Weight		
	Kg	pounds
Aluminum regulator (without fittings)	1.0	2.20
Weight increase with fittings	from 0.13 to 0.68	from 0.3 to 1.5

Table 18 Weights and dimensions

FE75 / FE100

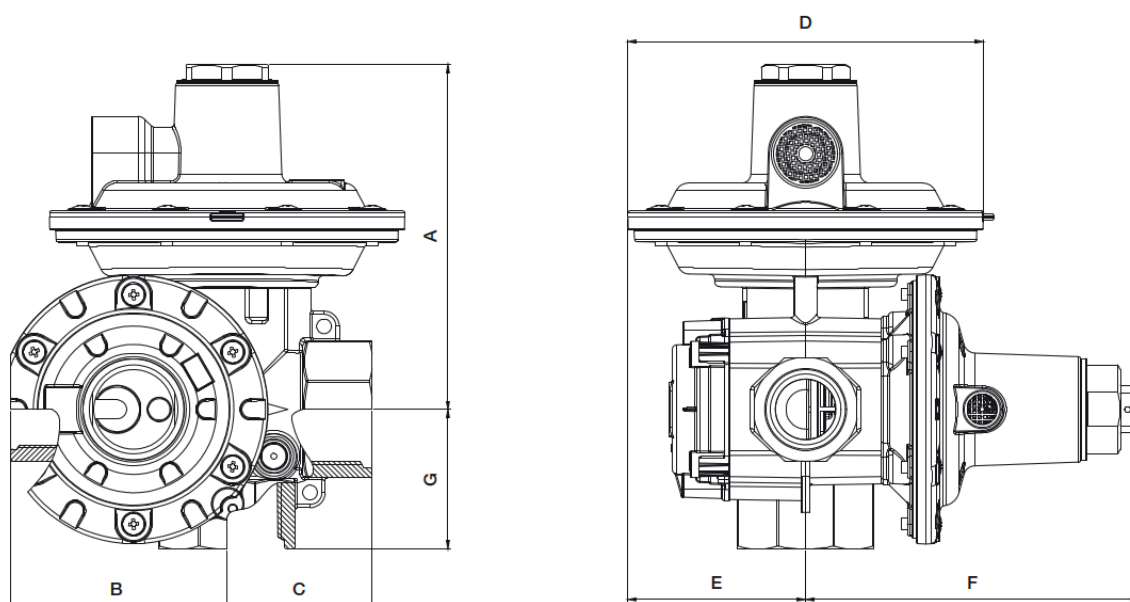


Figure 15 FE75 / FE100 Dimensions

Weights and Dimensions (for other connections, please contact your closest Pietro Fiorentini representative)		
	[mm]	inches
A	147	5.8"
B	92	3.6"
C	62	2.4"
D	Ø152	Ø6"
E	76	3"
F	143	5.6"
G	60	2.4"
Weight	Kg	pounds
Aluminum regulator (without fittings)	2.2	4.9

Table 19 Weights and dimensions

Customer Centricity

Customer centricity is a way of running your business — implementing a perfect customer experience at each stage of the pipeline. Pietro Fiorentini is one of the main Italian international company with high focus on product and service quality.

The main strategy is to create a stable, long-term relationship, putting the customer's needs first. Lean management and customer centricity are used to improve and maintain the highest level of customer experience.



Support

Pietro Fiorentini's top priority is to provide support to the client in all phases of project development, during installation, start up and operation. Pietro Fiorentini has developed a highly standardized Intervention-Management-System (IMS), which helps to facilitate the entire process and putting the customer at the forefront of every decision in our process while manufacturing or developing a product to help improve the product and service. With our IMS business model many services are available remotely, avoiding long waiting times, improving service, and avoiding unnecessary expenses.



Training

Pietro Fiorentini offers training services available for both experienced operators and new customers. The training is offered for all levels of our customers which can include one or all of the following: sizing of equipment, application, installation, operation, maintenance and is prepared according to the level of use and the customer's need.



Customer Relation Management (CRM)

The service and care of our customers are one of the main missions and vision of Pietro Fiorentini. For this reason, Pietro Fiorentini has enhanced the customer relation management system. This enables us to track every opportunity and request from our customers into one single information point and allows us to coordinate information allowing us to give the customer improved service.



Sustainability

Here at Pietro Fiorentini, we believe in a world capable of improvement through technology and solutions that can shape a more sustainable future. That is why respect for people, society and the environment form the cornerstones of our strategy.



Our commitment to the world of tomorrow

While in the past we limited ourselves to providing products, systems and services for the oil & gas sector, today we want to broaden our horizons and create technologies and solutions for a digital and sustainable world. We have a particular focus on renewable energy projects to help make the most of our planet's resources and create a future in which the younger generations can grow and prosper.

The time has come to understand how and why we operate now.





Pietro Fiorentini

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

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