MESURA®

Natural Gas Solutions

Pressure Regulators for Natural Gas

2025-2026 EDITION

A Cavagna Group Company

SOLUTIONS

LPG SOLUTIONS

COMPRESSED GASES SOLUTIONS

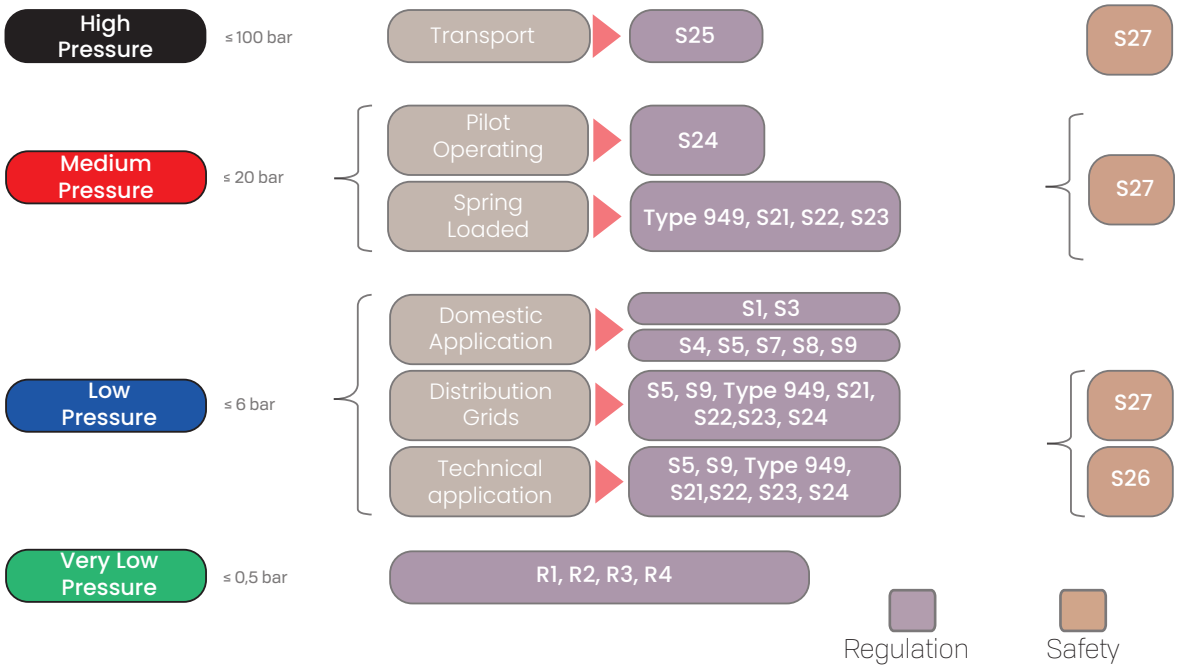
HEALTHCARE SOLUTIONS

NATURAL GAS SOLUTIONS

ALTERNATIVE FUEL SYSTEMS

GAS METERING SOLUTIONS

INDUSTRIAL PROCESS MANAGEMENT



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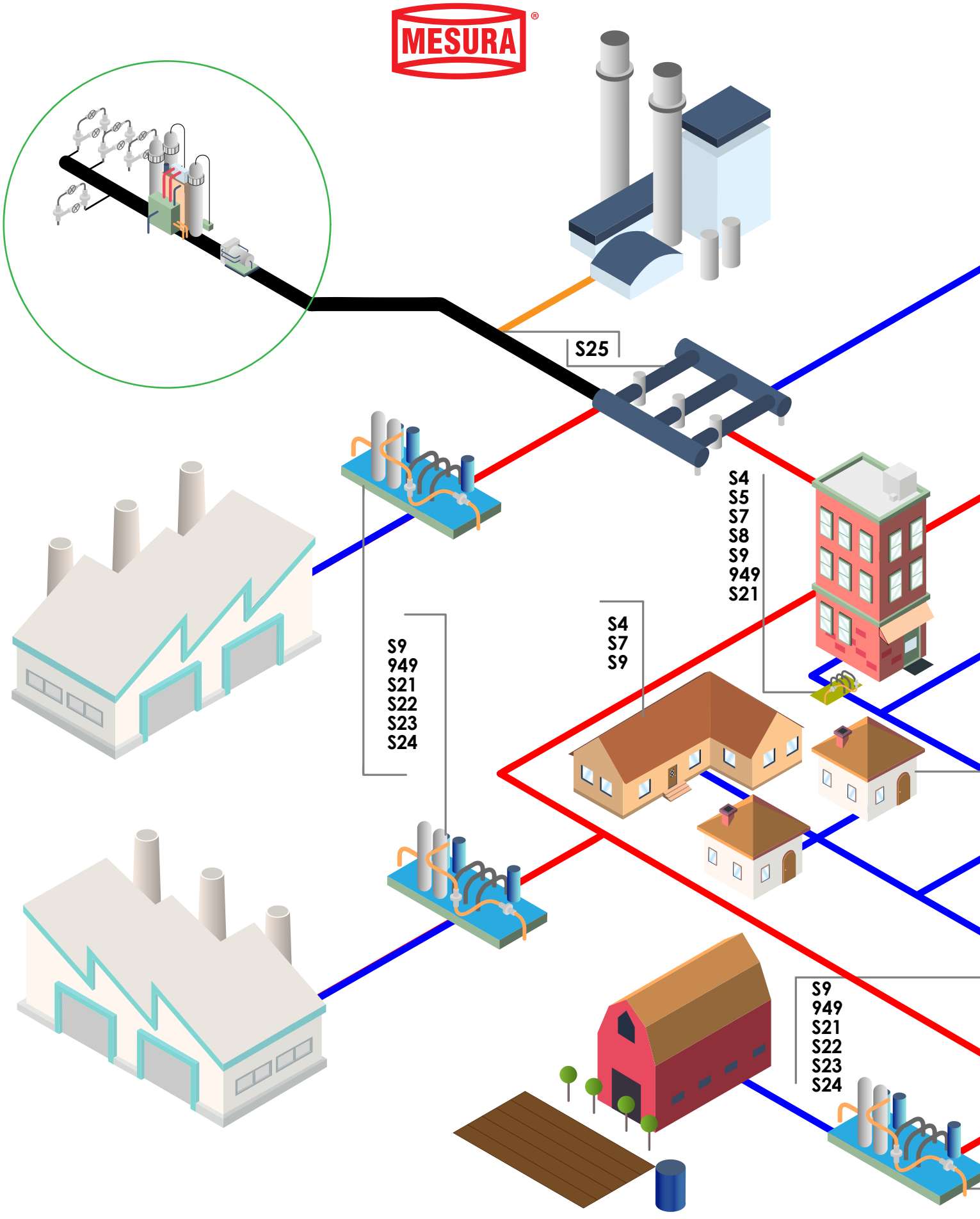
About Mesura

Mesura SaS was founded in Forbach in 1949. Over the years, this family-owned company from eastern France has acquired a proven know-how in the field of gas regulators for every type of application. With more than 70 years of experience, Mesura has built up a solid reputation both nationally and internationally and is now recognized throughout the world.
Today, Mesura SaS is a company of the Cavagna Group, one of the top manufacturers of solutions for all types of gas. Since the acquisition in 2012, leveraging the production, research and development capabilities of the Cavagna Group, the product range has expanded throughout the whole Natural Gas supply chain. Therefore, becoming the reference brand of the Cavagna Group for the line of products and solutions for Natural Gas and sustainable energy measurement and regulating.

With manufacturing facilities in France, Italy and a dedicated production in India for the Eastern markets.

About Cavagna Group

Founded and run as a family run business, the Cavagna Group has been in operation since 1949, carrying the mechanical excellence of the 'Made in Italy' essence and authenticity around all continents of the Globe.
Cavagna Group is a key industrial partner and enabler for the regulation, control, Industrial Process Management and metering being safely used in all types of gases, in every step of different supply chains, with a continued 'big picture' view of the Future of Energy. Embedded with the social conscience and responsibility to provide products of the utmost dependable quality whether it be for Energy gases, Renewable, Alternative Fuels, Hydrogen, Compressed or Medical gases.
Using the Group's 75 plus years of experience to drive meaningful innovations in the fields of IoT and digitisation towards a sustainable Energy Transition. Recognizing the importance of the gas molecule in everyday business practices and vision for the future of gas. Keeping consistency in the presence everywhere gas fuels life, together with a progressive vision on the future Energy Outlook, while staying devoted to the mission: wherever gas is used, we are there.
For more info, visit: www.cavagnagroup.com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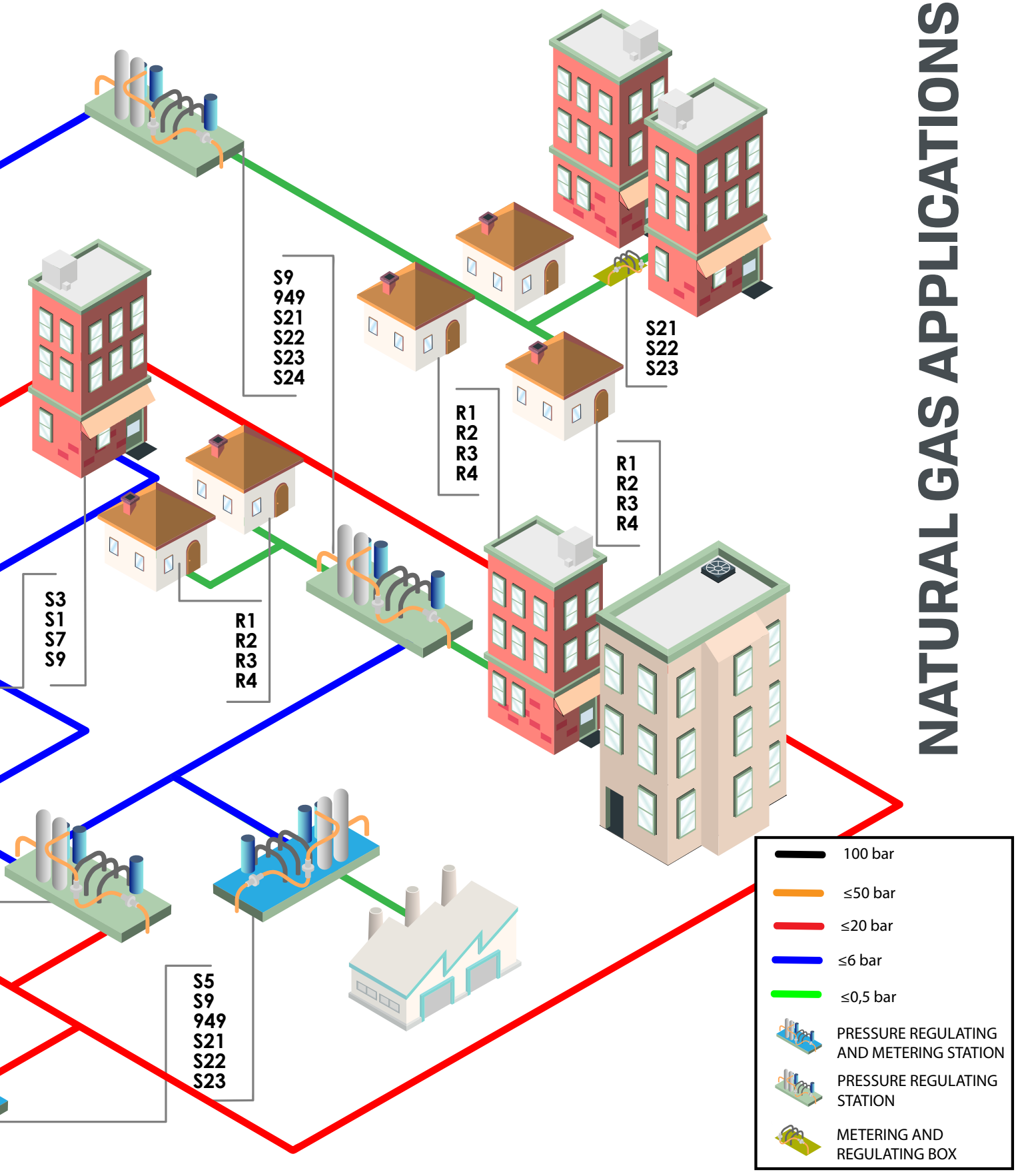
NATURAL GAS APPLICATIONS



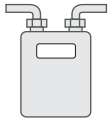
Line Pressure Regulator

Type R1 - R2

Product description

The R1 and R2 series regulators are direct action pressure governors typically used for domestic applications.
They are generally installed directly to the meter or in gas grid installations.
These regulators are suitable for natural and manufactured gas, LPG, or other non-corrosive, preliminarily treated stable gases.

Installation system



Materials

Body: Aluminium / Painted
Diaphragm: Approved NBR

Safety devices & Accessories

UPSO

Technical features

	Layout	Inlet Pressure (up to) bar	Outlet Pressure mbar	Nominal Capacity (m³/h)	Regulating class (AC)	Closing pressure class (SG)	Working temp. (°C)	Connections
R1	N	0.4	12 ÷ 55	6 - 12.5	10	20 (P=0.2) 30 (P=0.4)	-20(-40) ÷ +60	1/2" 3/4" 7/8" 1"
	M							
R2	N	0.075	12 ÷ 37	2.5		20		
	M							
	H							
	N	0.2		6				
	M							
	H							

Available layout: M - Straight connection / N - Angle connection / H - Angle Horizontal connection

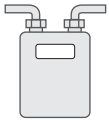
Line Pressure Regulator

Type R3

Product description

The Type R3 series regulators are direct action pressure governors typically used for domestic applications. They are generally installed directly to the meter for natural and manufactured gas, LPG, or other non-corrosive, preliminarily treated stable gases.

Installation system



Materials

Body: Aluminium / Painted
Diaphragm: Approved NBR

Technical features

	Inlet Pressure	Outlet Pressure	Nominal Capacity	Regulating class (AC)	Closing pressure class (SG)	Working Temperature	Connections
R3	0.025 ÷ 0.2 bar	12 ÷ 55 mbar	6 ÷ 36 m^3/h	10	30	-20 ÷ +60 °C	1" 1/14 1" 1/2 2"

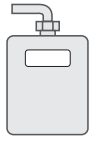
Line Pressure Regulator

Type R4

Product description

The Type R4 series regulators are direct action pressure governors typically used for domestic applications. They are generally installed directly to the meter for natural and manufactured gas, LPG, or other non-corrosive, preliminarily treated stable gases.

Installation system



Materials

Body: Cast Iron / Cataphoresis
Diaphragm: Nitrile Rubber

Technical features

	Inlet Pressure	Outlet Pressure	Nominal Capacity	Working Temperature	Inlet Connections	Outlet Connections
R4	35/200 mbar	21 mbar	10 m³/h	-20 ÷ +60 °C	G2"	G2"

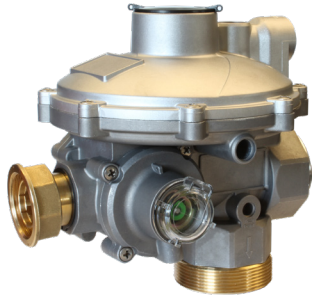
Double-Stage Gas Regulator Configurations

Explore our range of dual-stage gas regulators, each designed for optimal performance and reliability. Below, you'll find detailed diagrams illustrating various configurations, including inlet and outlet layout.
For example, Configuration M features an inlet on the left and an outlet on the right, while Configuration N has an inlet on the left and an outlet directed downward.

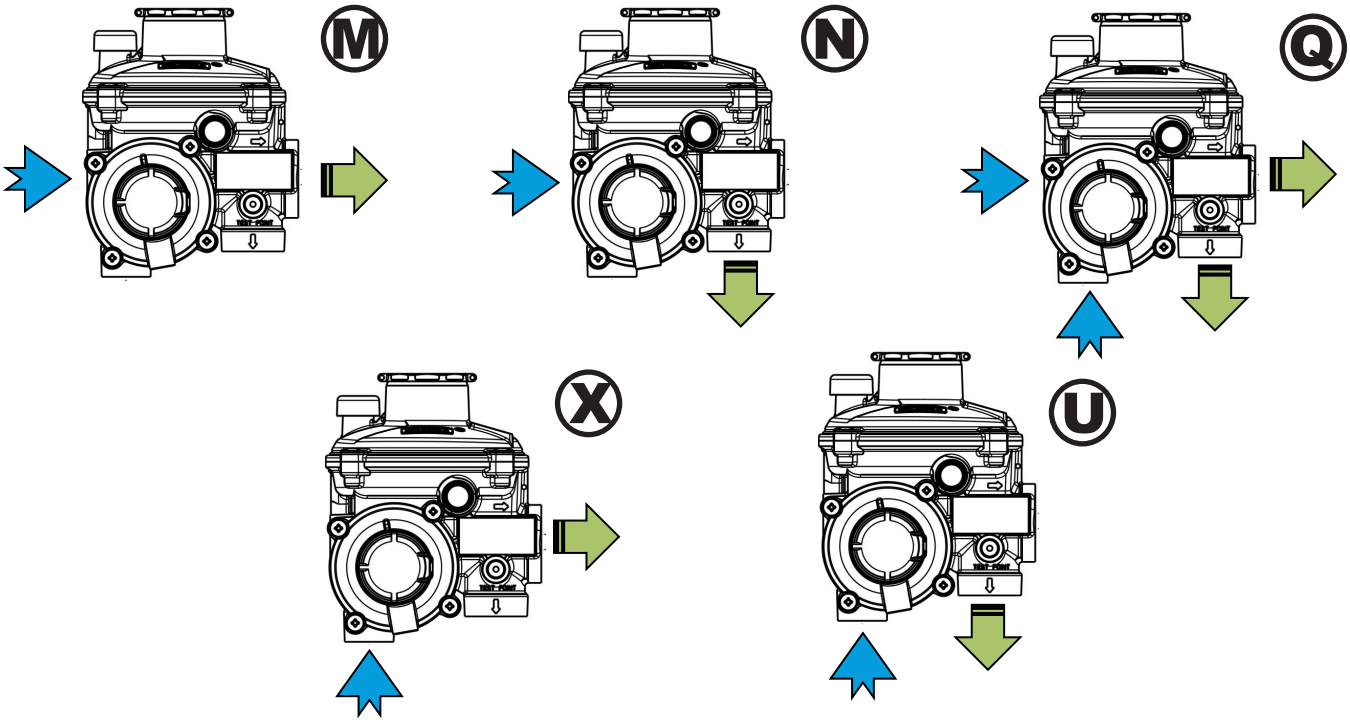
Type S1

Type S4

Type S7



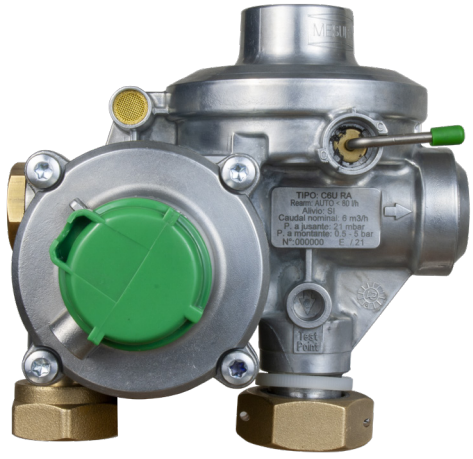
Type S9



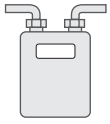
Double Stage Spring Loaded Pressure Regulator **Type S1**

Product description

The S1 series regulators are direct action, double-stage pressure regulators typically used for domestic applications.
They can be directly assembled to the meter or used in decompression installations in gas grids.
These regulators are suitable for industrial uses with natural and manufactured gas, LPG, or other non-corrosive, preliminarily treated stable gases.



Installation system



Materials

Body: Die Cast Zinc
Diaphragm: Approved NBR (HNBR for arctic version)

Safety devices & Accessories

Excess Flow Valve (Manual or Automatic reset), Internal Pressure Relief Valve, Shut Off (OPSO, OPSO/UPSO)

Technical features

	Inlet Pressure bar	Outlet Pressure mbar	Nominal Capacity (m³/h)	Regulating class (AC)	Closing pressure class (SG)	Working temp. (°C)	Connections
S1	0.5 ÷ 5	11 ÷ 100	6	up to 5	up to 10	-20 ÷ +60 (-40 ÷ +60 for arctic version)	See specific datasheet
			10	up to 10	up to 20		
			25				

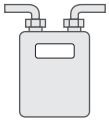
Available layout: N - Angle connection / M - Straight connection / U - Bottom entry

Double Stage Spring Loaded Pressure Regulator **Type S3**

Product description

The S3 series regulators are direct action, double-stage pressure regulators typically used for domestic applications.
They can be directly assembled to the meter or used in decompression installations in gas grids and industrial settings.
These regulators are suitable for natural and manufactured gas, LPG, or other non-corrosive, preliminarily treated stable gases.
They feature a fully crimped design without screws.

Installation system



Materials

Body: Die Cast Zinc
Diaphragm: Approved NBR

Safety devices & Accessories

Excess Flow Valve (Manual or Automatic reset), Internal Pressure Relief Valve, Shut Off (UPSO)

Technical features

	Inlet Pressure bar	Outlet Pressure mbar	Nominal Capacity (m³/h)	Regulating class (AC)	Closing pressure class (SG)	Working temp. (°C)	Connections
S3	0.5 ÷ 5	11 ÷ 37 11 ÷ 100 (adjustable version)	6	up to 5	up to 10	-20 ÷ +60	See specific datasheet
			10		up to 20		

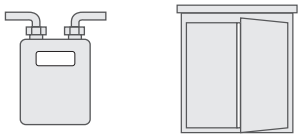
Available layout: N - Angle connection

Double Stage Spring Loaded Pressure Regulator **Type S4**

Product description

The S4 series regulators are direct action, double-stage pressure regulators typically used for domestic applications.
They can be directly assembled to the meter or used in decompression installations in gas grids and industrial settings.
These regulators are suitable for natural and manufactured gas, LPG, or other non-corrosive, preliminarily treated stable gases.

Installation system



Materials

Body: Die Cast Zinc
Diaphragm: Approved NBR

Safety devices & Accessories

Excess Flow Valve (Manual or Automatic reset), Internal Pressure Relief Valve, Shut Off (OPSO, OPSO/UPSO)

Technical features

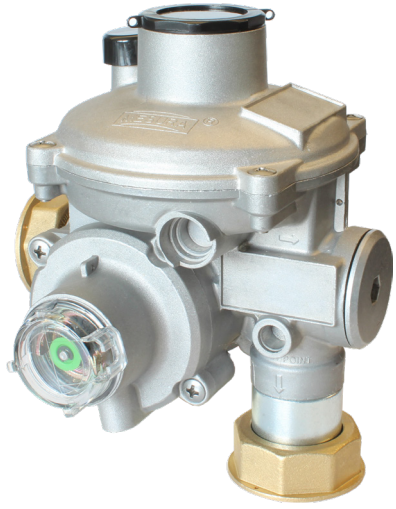
	Inlet Pressure bar	Outlet Pressure mbar	Nominal Capacity (m³/h)	Regulating class (AC)	Closing pressure class (SG)	Working temp. (°C)	Connections
S4	0.5 ÷ 5	14 ÷ 100	25 ÷ 70	up to 5	up to 10	-20 ÷ +60	See specific datasheet
S4 BCH	0.8 ÷ 5	100 ÷ 500	30 ÷ 100				

Available layout: M - Straight connection / N - Angle connection

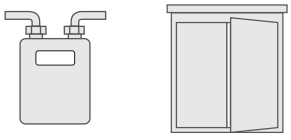
Double Stage Spring Loaded Pressure Regulator **Type S7**

Product description

The S7 series regulators are direct action, double-stage pressure regulators typically used for domestic applications.
They can be directly assembled to the meter or used in decompression installations in gas grids and industrial settings.
These regulators are suitable for natural and manufactured gas, LPG, or other non-corrosive, preliminarily treated stable gases.



Installation system



Materials

Body: Aluminium (Optional painted)
Diaphragm: Approved NBR

Safety devices & Accessories

Excess Flow Valve (Manual or Automatic reset), Internal Pressure Relief Valve, Shut Off (OPSO, OPSO/UPSO)

Technical features

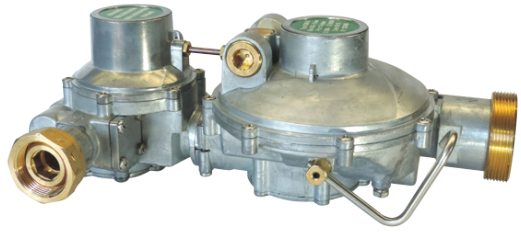
	Inlet Pressure bar	Outlet Pressure mbar	Nominal Capacity (m^3/h)	Regulating class (AC)	Closing pressure class (SG)	Working temp. (°C)	Connections
S7	Up to 8.6 max	14 ÷ 150(BP)	6	up to 5	up to 10	-20 ÷ +60 (-40 ÷ +60 available)	See specific datasheet
			10				
			25				
			50				
	1 ÷ 8.6	100 ÷ 500(MP)	up to 70	up to 10	up to 20		

Available layout: M - Straight connection / N - Angle connection - Inlet on the left / X - Angle connection - Inlet on the bottom / U - Bottom entry / Q - Modular Configuration. Contact Cavagna Group for more information.

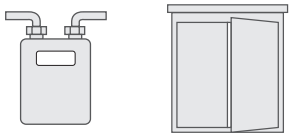
Double Stage Spring Loaded Pressure Regulator **Type S8**

Product description

The S8 series regulators are direct action, double-stage pressure regulators typically used for domestic applications.
They can be directly assembled to the meter or used in decompression installations in gas grids and industrial settings.
These regulators are suitable for natural and manufactured gas, LPG, or other non-corrosive, preliminarily treated stable gases.



Installation system



Materials

Body: Zinc Alloy
Diaphragm: Approved NBR

Safety devices & Accessories

Excess Flow Valve (Manual or Automatic reset), Internal Pressure Relief Valve, Shut Off (OPSO, UPSO)

Technical features

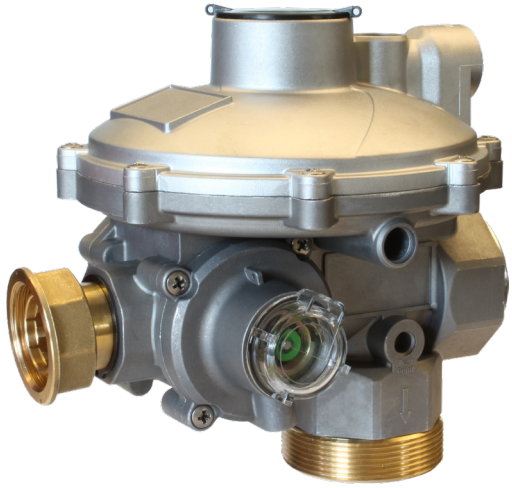
	Inlet Pressure bar	Outlet Pressure mbar	Nominal Capacity (m^3/h)	Regulating class (AC)	Closing pressure class (SG)	Working temp. (°C)	Connections	
							Inlet	Outlet
S8	0.5 ÷ 5	11 ÷ 100	100	up to 5	up to 10	-20 ÷ +60	3/4" 1" 1" 1/4	1" 1/2 2" 2" 1/4
S8 BCH	0.8 ÷ 5	300	125					

Available layout: U - Parallel connection / Eq - Angle connection / E - Underground

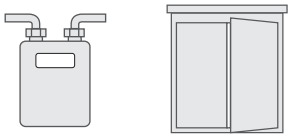
Double Stage Spring Loaded Pressure Regulator **Type S9**

Product description

The S9 series regulators are a line of direct action type pressure regulators, double stage, normally used for domestic applications, if directly assembled to the meter or in decompression installations in gas grids and industrial uses for natural and manufactured gas, lpg, or other non-corrosive preliminarily treated stable gas.



Installation system



Materials

Body: Aluminium / Painted
Diaphragm: Approved NBR

Safety devices & Accessories

Excess Flow Valve (Manual or Automatic reset), Internal Pressure Relief Valve, Shut Off (OPSO, OPSO/UPSO)

Technical features

	Inlet Pressure bar	Outlet Pressure mbar	Nominal Capacity (m^3/h)	Regulating class (AC)	Closing pressure class (SG)	Working temp. (°C)	Connections
S9	0.5 ÷ 8.6	15 ÷ 100(BP) 100 ÷ 300(MP) 300 ÷ 500 (MPTR)	up to 150	up to 5	up to 10	-20 ÷ +60 (-40 ÷ +60 available)	See specific datasheet

Available layout: M - Straight connection / N - Angle connection - Inlet on the left

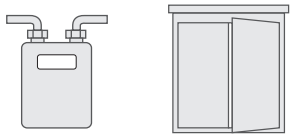
Single Stage Spring Loaded Pressure Regulator **Type S5**

Product description

The S5 regulators, due to their operating specifications, are mainly used in systems where sudden capacity variations are required or where the cut-off of the gas distribution is controlled by a solenoid valve.
They can be used with natural gas, air, propane, and other gases, as long as they do not contain a high percentage of benzole.

PED certified

Installation system



Materials

Body: Aluminium / Iron / Painted
Diaphragm: Approved NBR

Safety devices & Accessories

Internal Pressure Relief Valve, Shut Off (OPSO, OPSO/UPSO), Thermal shut off valve, Balanced System

Technical features

	Layout	Inlet Pressure bar	Outlet Pressure mbar	Regulating class (AC)	Closing pressure class (SG)	Working temp. (°C)	Connections
S5	**Inline**	0.1 ÷ 8.6	9 ÷ 380	up to 5	up to 10	-20 ÷ +60	See specific datasheet

Available versions: A - unbalanced / L - balanced / H - balanced + OPSO shut-off valve / I - balanced + OPSO/UPSO shut-off valve

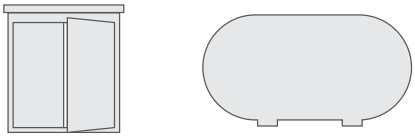
Single Stage Spring Loaded Pressure Regulator **Type 949**

Product description

The 949 is a spring-loaded, direct-acting pressure regulator designed for high pressures in accordance with PED 2014/68/UE and standards EN 334 and EN 14382.
It is suitable for civil and industrial uses in canalized networks for natural gas, manufactured gas, and LPG.
The 949 pressure regulator is classified as a "Fail to Open" type, according to EN 334.
It allows for easy maintenance, as it can be repaired in the field without removing the body from the pipeline.

PED certified

Installation system



Materials

Body: Aluminium / Iron / Painted
Diaphragm: Rubber with fabric reinforcement

Safety devices & Accessories

Shut Off (OPSO, OPSO/UPSO), Monitor

Technical features

	Inlet Pressure bar	Outlet Pressure mbar	Regulating class (AC)	Closing pressure class (SG)	Working temp. (°C)	CG (valve coefficient)	Connections
949	1 ÷ 20	500 ÷ 4000	up to 5	up to 10	-20(-30) ÷ +60	75	1" Threaded DN25 ANSI 150 DN40 ANSI 150 DN50 ANSI 150

Available versions: M - Working as Monitor / B - with OPSO/UPSO shut-off valve

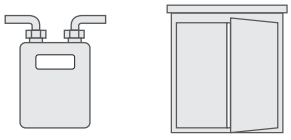
Single Stage Spring Loaded Pressure Regulator **Type S21**

Product description

The S21 is a spring-loaded, direct-acting pressure regulator designed for high pressures in accordance with PED 2014/68/UE and standards EN 334 and EN 14382.
It is suitable for civil and industrial uses in canalized networks for natural gas, manufactured gas, and LPG.
The S21 pressure regulator is classified as a "Fail to Open" type, according to EN 334.
It allows for easy maintenance, as it can be repaired in the field without removing the body from the pipeline.

PED certified

Installation system



Materials

Body: Iron / Painted
Cover: Painted Almuminum
Diaphragm: Approved NBR

Safety devices & Accessories

Internal Pressure Relief Valve, Shut Off (OPSO, OPSO/UPSO), Monitor

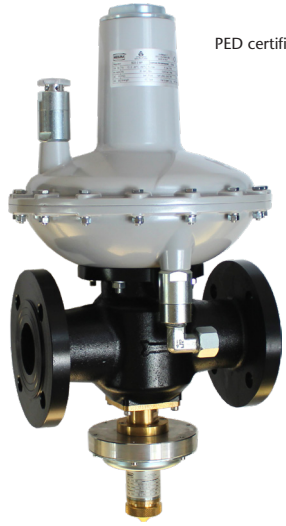
Technical features

	Inlet Pressure			Outlet Pressure				Regulating class (AC)	Closing pressure class (SG)	Working temp. (°C)	CG (valve coefficient)	Connections
	BP, MP, AP	APS	APA	BP	MP	AP,APS	AP,APA					
	(up to) bar			mbar								
S21	6	20		14 ÷ 150	150 ÷ 500	500÷4000		up to 5	up to 10	-20 ÷ +60	160	1" x 1"
			20				500÷4000				281	1" x 1" 1/2

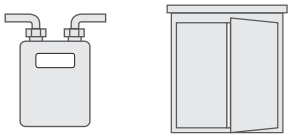
Single Stage Spring Loaded Pressure Regulator **Type S22**

Product description

The S22 is a spring-loaded, direct-acting pressure regulator designed for high pressures in accordance with PED 2014/68/UE and standards EN 334 and EN 14382.
It is suitable for civil and industrial uses in canalized networks for natural gas, manufactured gas, and LPG.
The S22 pressure regulator is classified as a "Fail to Open" type, according to EN 334.
It allows for easy maintenance, as it can be repaired in the field without removing the body from the pipeline.


PED certified

Installation system



Materials

Body: Cast iron
Covers: Alluminum painted
Diaphragm: Approved NBR

Safety devices & Accessories

Shut Off (OPSO, OPSO/UPSO), Monitor

Technical features

	Inlet Pressure		Outlet Pressure			Regulating class (AC)	Closing pressure class (SG)	Working temp. (°C)	CG (valve coefficient)	Connections PN16 or ANSI 150
	BP, MP, AP	APA	BP	MP	AP,APA					
	bar		mbar							
S22-1	5 or 6	20	12 ÷ 150	150 ÷ 500	500÷4000	up to 5	up to 10	-20 ÷ +60	750	DN40
S22-2									810	DN50

Available versions: M - With built-in emergency regulator / B - with OPSO/UPSO shut-off valve

Single Stage Spring Loaded Pressure Regulator **Type S23**

Product description

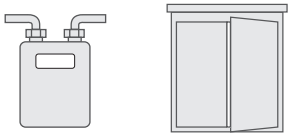
The S23 is a spring-loaded, direct-acting pressure regulator designed for high pressures in accordance with PED 2014/68/UE and standards EN 334 and EN 14382.
It is suitable for civil and industrial uses in canalized networks for natural gas, manufactured gas, and LPG.
The S23 pressure regulator is classified as a "Fail to Open" type, according to EN 334.
It allows for easy maintenance, as it can be repaired in the field without removing the body from the pipeline.

PED certified

LP Version

HP Version

Installation system



Materials

Body: Cast iron
Covers: Carbon steel
Diaphragm: Approved NBR

Safety devices & Accessories

Shut Off (OPSO, OPSO/UPSO), Monitor

Technical features

	Inlet Pressure		Outlet Pressure				Regulating class (AC)	Closing pressure class (SG)	Working temp. (°C)	CG (valve coefficient)	Connections
	BP, MP, AP	APA	BP	MP	AP	APA					PN16 or ANSI 150
	bar		mbar								
S23	6	20	15 ÷ 80	75 ÷ 500	470÷2000	2000÷4000	up to 5	up to 10	-20 ÷ +60	3380	DN80

Available versions: B - with built-in OPSO/UPSO shut-off valve / M - with built-in Monitor / MB - with Monitor and shut-off valve

Pilot Operating Pressure Regulator

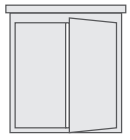
Type S24

Product description

The S24 series regulators are pilot-operated pressure regulators designed for industrial and distribution applications.
They are suitable for use in low and medium pressure gas grids with non-corrosive, preliminarily filtered gases.
One of the most used available versions of this regulator is the trivalent version that combines the main regulator, monitor, and shut-off valve in a single module.
This design reduces the overall dimensions of regulation units and simplifies maintenance due to a top entry solution.
S24 regulators meet the European Standard EN 334, available in Fail Close or Fail Open functionality (only for active regulators).

PED certified

Installation system



Materials

Body: Iron or Casting Steel
Pilot, Body & Cover: Aluminum
Diaphragm: Rubberized canvas

Safety devices & Accessories

Shut Off (OPSO, OPSO/UPSO), Monitor

Technical features

	Inlet Pressure	Outlet Pressure	Regulating class (AC)	Closing pressure class (SG)	Working temp. (°C)	CG (valve coefficient)	Connections
	bar	mbar					
S24	20	10÷4000	up to 2.5	up to 5	-20 ÷ +60	500	DN25
						1050	DN40
						2100	DN50
						4200	DN80

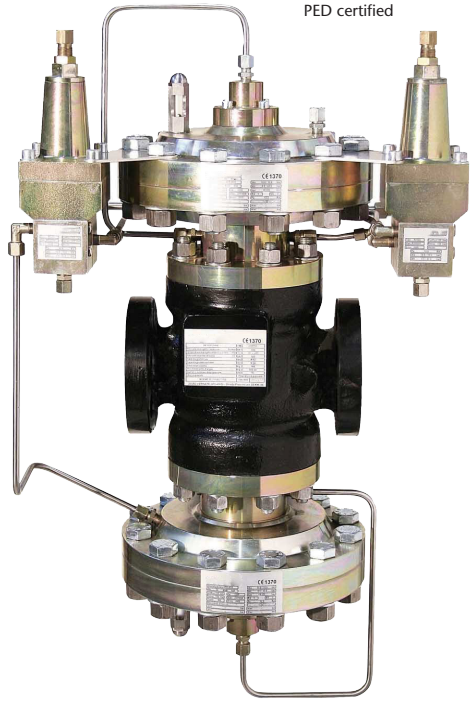
Available versions: B - with built-in OPSO/UPSO shut-off valve / M - with built-in Monitor / MB - with Monitor and shut-off valve

Pilot Operating Pressure Regulator

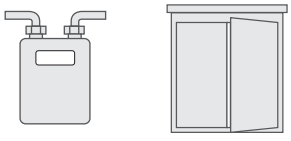
Type S25

Product description

The S25 is a pilot-operated gas pressure regulator, used for high-pressure transmission systems, power plants, and medium pressure natural gas distribution networks. It designed for use with previously filtered non-corrosive gases.
One of the most used available version of this regulator is the trivalent version that combines the main regulator, monitor, and shut-off valve in a single module. This design reduces the overall dimensions of regulation units and simplifies maintenance due to a top entry solution.
S25 regulators meet the European Standard EN 334, available in Fail Close or Fail Open functionality (only for active regulators).


PED certified

Installation system



Materials

Body: Casting Steel
Pilot, Body & Cover: Steel
Diaphragm: Rubberized canvas

Safety devices & Accessories

Shut Off (OPSO, OPSO/UPSO), Monitor

Technical features

	Inlet Pressure bar	Outlet Pressure bar	Regulating class (AC)	Closing pressure class (SG)	Working temp. (°C)	CG (valve coefficient)	Connections
S25	up to 50	0.5 ÷ 40	up to 1	up to 5	-20 ÷ +60	500	DN25
						1050	DN40
						2100	DN50
						4200	DN80

Available versions: M - With built-in emergency regulator / B - With built-in OPSO/UPSO shut-off valve / X - With monitor and shut-off valve

Safety devices

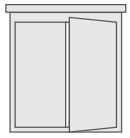
Type S26

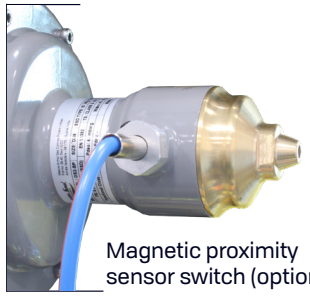
Product description

The S26 safety valves are direct operating type products designed to guarantee utmost ease of use.
These devices are usually used in distribution and industrial systems and are designed to be installed in regulation units in gas grids of natural, manufactured, and LPG gas or other non-corrosive gases, filtered at first.

PED certified

Installation system





Magnetic proximity sensor switch (optional)

Materials

Body: Iron / Painted
Diaphragm: Approved NBR / Rubberized canvas

Safety devices & Accessories

Shut Off (OPSO, OPSO/UPSO)

Technical features

	Inlet Pressure bar	Outlet Pressure bar	Working temp. (°C)	CG (valve coefficient)	Connections
S26	6 or 20	10 ÷ 4000	-20(-30) ÷ +60	160	1" x 1"
				281	1" x 1" 1/2
				410	1" x 1" 1/2
				574	DN40
				1160	DN50
				3380	DN80

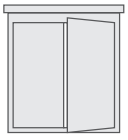
Safety devices

Type S27

Product description

The S27 relief valves are designed to maintain system or pressure vessel pressure within the set intervention limits.
These devices respond to short-term events by discharging a certain quantity of gas externally when the grid pressure exceeds the calibration pressure.
This action helps to avoid or postpone the intervention of the slam shut devices.

Installation system



Materials

Body: Aluminium / Painted
Diaphragm: Approved NBR / Rubberized canvas

Safety devices & Accessories

Internal Pressure Relief Valve

Technical features

	Inlet Pressure (bar)	Pressure range (bar)				Seat diameter (mm)	Working temp. (°C)
		BP	MP	AP	APtr		
S27	5	0 ÷ 0.15	0.15 ÷ 0.7	0.5 ÷ 1.3	1 ÷ 2.8	20	-20 ÷ +60
	10			2 ÷ 7			

NOTES

Conversion Table

CONVERSION FACTORS

Multiply	By	To Obtain
LENGTH & AREA		
Millimeters	0.0394	Inches
Meters	3.2808	Feet
Sq. Centimeters	0.155	Sq. Inches
Sq. Meters	10.764	Sq. Feet
VOLUME & MASS		
Cubic Meters	35.315	Cubic Feet
Liters	0.0353	Cubic Feet
Gallons	0.1337	Cubic Feet
Cubic cm.	0.061	Cubic Inches
Liters	2.114	Pints (US)
Liters	0.2642	Gallons (US)
Kilograms	2.2046	Pounds
Tonnes	1.1024	Tons (US)
PRESSURE & FLOW RATE		
Millibars	0.4018	Inches w.c.
Ounces/sq. in.	1.733	Inches w.c.
Inches w.c.	0.0361	Pounds/sq. in.
Bars	14.50	Pounds/sq. in.
Kilopascals	0.1450	Pounds/sq. in.
Kilograms/sq. cm.	14.222	Pounds/sq. in.
Pounds/sq. in.	0.068	Atmospheres
Liters/hr.	0.0353	Cubic Feet/hr.
Cubic Meters/hr.	4.403	Gallons/min.
MISCELLANEOUS		
Kilojoules	0.9478	BTU
Calories, kg	3.968	BTU
Watts	3.414	BTU/HR
BTU	0.00001	Therms
Megajoules	0.00948	Therms

CONVERSION FACTORS

Multiply	By	To Obtain
LENGTH & AREA		
Inches	25.4	Millimeters
Feet	0.3048	Meters
Sq. Inches	6.4516	Sq. Centimeters
Sq. Feet	0.0929	Sq. Meters
VOLUME & MASS		
Cubic Feet	0.0283	Cubic Meters
Cubic Feet	28.316	Liters
Cubic Feet	7.481	Gallons
Cubic Inches	16.387	Cubic cm.
Pints (US)	0.473	Liters
Gallons (US)	3.785	Liters
Pounds	0.4535	Kilograms
Tons (US)	0.9071	Tonnes
PRESSURE & FLOW RATE		
Inches w.c.	2.488	Millibars
Inches w.c.	0.577	Ounces/sq. in.
Pounds/sq. in.	27.71	Inches w.c.
Pounds/sq. in.	0.0689	Bars
Pounds/sq. in.	6.895	Kilopascals
Pounds/sq. in.	0.0703	Kilograms/sq.cm.
Atmospheres	14.696	Pounds/sq. in.
Cubic Feet/hr.	28.316	Liters/hr.
Gallons/min.	0.2271	Cubic Meters/hr.
MISCELLANEOUS		
BTU	1.055	Kilojoules
BTU	0.252	Calories, kg
BTU/HR	0.293	Watts
Therms	100,000	BTU
Therms	105.5	Megajoules

FLOW EQUIVALENTS

To convert flow capacities of one kind of gas to flow capacities of a different kind of gas.

		MULTIPLY BY:
If you have a flow capacity (CFH, etc.) in NATURAL GAS and want to know equivalent flow capacity of—	Propane: Butane: Air:	0.63 0.55 0.77
If you have BUTANE and want to know equivalent flow capacity of—	Propane: Butane: Air:	1.15 1.83 1.42
If you have AIR and want to know equivalent flow capacity of—	Propane: Butane: Air:	0.81 0.71 1.29
If you have PROPANE and want to know equivalent flow capacity of—	Propane: Butane: Air:	0.87 1.59 1.23

FLOW EQUIVALENTS

		MULTIPLY BY:
If you have 1Kg of LPG(*) and want to know equivalent flow capacity of—	m^3 Natural Gas: litre of LPG(*):	1.333 1.770
If you have 1 m^3 of Natural Gas and want to know equivalent flow capacity of—	kg of LPG(*): litre of LPG(*):	0.750 0.692
If you have 1litre of LPG(*) and want to know equivalent flow capacity of—	m^3 Natural Gas: kg of LPG(*):	1.446 0.565

(*) LPG is a commercial mixture of Propane and Butane in different percentages so, the correction factor may vary according to specific composition.

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