

PRESSURE REGULATORS



COMPANY

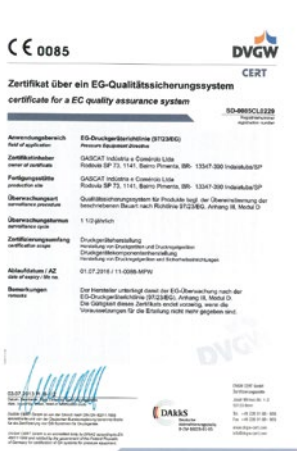
GASCAT is a 100% Brazilian company, established more than 30 years ago, with the objective of serving the gas market with equipments to regulate and control the pressure of gases. It has a team of engineers who work from the creation and development of products until the sale to its customers, ensuring the best solution to each one's process. With skilled labor and highly trained, transfers knowledge and confidence throughout the acquisition and post-sales phase.

GASCAT is internationally recognized as a manufacturer of pressure regulator valves, slam shut-off valves and partial relief valves. It also manufactures cartridge-type natural gas filters, basket, coalescing or combined, indirect flame heaters, pressure vessels, regulation and measurement stations of gas in modules, skids, compact boxes and underground boxes. The company maintains a quality policy based on in the total satisfaction of its customers and in the commitment to deliver within the contracted period. And evolved, technologically, building Delivery Points (City Gates) in several States of Brazil.

The commitment of its team resulted in the first ISO certification in 1994. Currently, it is certified ISO9001-2008, audited and certified by SGS-UKAS, guaranteeing total quality in the production of its equipment. Since the factory has been prepared since its foundation to preserve and protect the environment, it won the certification ISO14001-2015 by QS Zurich of Switzerland. Recently, it updated internal concepts in health and safety management occupational and received ISO45001-2018 certification also by QS Zurich of Switzerland. With these three ISO certifications GASCAT is among the few in the Brazilian market prepared for the SGI, Integrated Management System.

Focusing efforts on conquering the foreign market, it obtained international Quality Assurance certifications for the line of Pressure Regulators by DVGW – CE of Germany and other specific certifications for products that received the CE mark. This allowed them to register their products and export to several countries in Europe, Asia, Africa and the Americas.

CERTIFICATIONS



EC Quality Assurance System (Module D)



GIPS-FC (DVGW-CE) Slam Shut Valve



URANO (DVGW-CE) Pressure Regulator



PI (DVGW-CE) Pressure Regulator

PRESSURE REGULATORS



URANO

Pilot operated pressure regulator valve for applications with high differential pressure and high flow specially transmission and distribution systems of Natural Gas. Body material in cast carbon steel.

- Diameters: 2" to 8" (Flanged Class ASME 150# a 900#)
- Outlet Pressure Range: 1 to 80 bar



HORUS

Axial Flow pilot operated pressure regulator valve for applications with high differential pressure and high flow specially transmission and distribution systems of Natural Gas. Body material in carbon steel.

- Diameters: 1" to 10" (Flanged Class ASME 150# a 900# - others under consult)
- Outlet Pressure Range: 0.1 to 63.5 bar



PI

Pilot operated pressure regulator valve for industrial applications. It has high flow capacity. Body material in cast carbon steel.

- Diameters: 1" to 4" (Flanged Class ASME 150# e 300# - others under consult)
- Outlet Pressure Range: 0.7 to 40 bar



ARGOS

Pilot operated pressure regulator valve for applications with fuel gases and non-corrosive gases. Ideal for Natural Gas Distributors. Body material in cast carbon steel.

- Diameters: 1" to 6" (Flanged Class ASME 150#, 300# and 600#)
- Outlet Pressure Range: 0.01 to 63.5 bar



PROTEU

Pressure regulator valve self operated for several applications such as LPG and Natural Gas Distribution, Nitrogen and Hydrogen pipelines. It has high flow capacity and top entry design. Body material in cast carbon steel.

- Diameters: 1" and 6" (Flanged ASME 150# and 300#). Option with thread NPT-F for 1"
- Outlet Pressure Range: 0.5 to 16 bar

PRESSURE REGULATORS



JUNIOR 070

Self operated pressure regulator valve with slam shut valve incorporated for industrial applications. Body material in ductile iron.

- Diameter: 1" (Thread NPT Female or Flanged ASME Class 150#. Other diameters under consult.)
- Outlet Pressure Range: 0.3 to 13 bar



JUNIOR CH

Self operated pressure regulator valve with simple construction, compact and robust design. Body materials in Carbon Steel, Stainless Steel and Brass.

- Diameters: 3/4" and 1" (Thread NPT Female - Flanged ASME Class 150# and 300#)
- Outlet Pressure Range: 0.3 to 12 bar



BRISE

Self operated pressure regulator valve with slam shut valve incorporated for industrial applications. Body material in ductile iron.

- Diameter: 1" to 3" (Flanged Class 150#)
- Outlet Pressure Range: 0.02 to 1.3 bar



BRISE PLUS

Pressure regulating valve pilot operated with excellent outlet pressure accuracy and high flow capacity. Ideal for pressure regulating stations for natural gas and combustion systems of high flow capacity. Body material in ductile iron.

- Diameters: 1" to 3" (Flanged Class ASME 150#)
- Outlet Pressure Range: 0.02 to 4 bar



GA-302-8

Pressure regulator valve self operated with slam shut-off valve incorporated (optional) for combustion systems of medium flow and low pressures. Body material in ductile iron.

- Diameters: 1.1/2" and 2" (Thread NPT para 1.1/2" and 2". Flanged Class ASME 150# for 2")
- Outlet Pressure Range: 8 to 455 mbar



PRESSURE REGULATORS



ARES

Self operated pressure regulator valve with slam shut-off valve incorporated (optional) for combustion systems of low pressures. It is ideal for burner manufacturers. Body material in ductile iron.

- Diameter: 1" (Thread NPT Female or Flanged Class ASME 150#)
- Outlet Pressure Range: 5 to 405 mbar



HP-TF

Pressure regulator valve for applications with high inlet pressure (up to 800 bar) and excellent outlet pressure accuracy. Usually installed in cylinders and small skid. Body material in stainless steel.

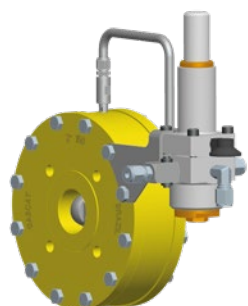
- Diameters: 1/4", 1/2" and 3/4" (Thread NPT or BSP)
- Outlet Pressure Range: 4 a 420 bar



DOMUS

Pressure regulating valve for applications with high inlet pressure (up to 450 bar) and excellent outlet pressure accuracy. Usually installed in wellhead and City-Gates where the initial consumption is low. Body material in stainless steel.

- Diameter: 1" and 2" (Flanged Class ASME 300# to 2500# or Thread NPT-F and BSP)
- Outlet Pressure Range: 2 to 80 bar



ARGOS WA

Light and compact, which allows for use on low-cost supports and skids. Its simplicity and robustness minimize maintenance interventions, in addition to its excellent precision and large flow capacity, making the equipment an excellent choice for the most diverse applications.

- Diameters: 1" to 4" (Flanged Class ASME 150# to 300# FF/RF)
- Outlet Pressure Range: 0.7 to 36.6 bar



DOMUS AP

Applied where there are fluctuations in inlet pressure with high flow variations required while still maintaining good precision in the required pressure. Domus AP guarantees good regulation pressure without the need for pilots, and can operate at a minimum differential pressure of 1.0 bar.

- Diameters: 1" to 2" (Flanged Class ASME 300# to 2500# or thread NPT-F e BSP)
- Outlet Pressure Range: 0,5 to 80 bar



PRESSURE REGULATORS



GOVERNOR 254

Regulator developed to meet low input pressures in combination with low output pressures with high sensitivities and fast responses. With a wide operating range and flexible installation, it can be done at any angle.

- Diameters: 2" to 8" (Flanged Class ASME 125# to 150# FF/RF or PN16 FF/RF)
- Outlet Pressure Range: 10 to 320 mbar



GOVERNOR 254P

Regulator developed to meet low inlet pressures in combination with low outlet pressures, with very high flows and high sensitivities.

- Diameters: 2" to 8" (ASME Class Flange 125# to 150# FF/RF or PN16 FF/RF)
- Adjustment Range: 10 to 1100 mbar



TERNUS

With the "top entry" concept that allows maintenance to be carried out easily without the need to remove the valve from the pipeline, in addition to a simplified design ensuring low maintenance costs. It is a pilot operated pressure regulator developed for use in Natural Gas networks and non-corrosive gases in general with excellent performance for natural gas distribution systems.

- Diameters: 1" to 6" (Flanged Class ASME 150# to 300# FF/RF)
- Outlet Pressure Range: 0,5 to 38 bar



ATHOS

Pressure regulator valve pilot operated with excellent outlet pressure accuracy and high flow capacity. Ideal for pressure regulating stations for natural gas and combustion systems of high flow capacity. Body material in ductile iron.

- Diameters: 1/2" and 2" (Thread NPT F)
- Diameter: 2" (Flanged Class 150#)
- Outlet Pressure Range: 0.02 to 4 bar



BLANKETING SYSTEM VALVE



CELTIC-N

Tank blanketing valves are commonly used in tank storage systems where it is desirable to reduce the hazards associated with flammable liquids or to minimize contamination or product degradation that may result from drawing air into the tank's vapor space.

- Diameters: 1" (Thread NPT F or Flanged Class ASME 150#) and 2" (Flanged Class ASME 150#)
- Adjustment Range: 5 to 230 mmca



AUTOMATIC SLAM SHUT VALVES



GIPS-FC

Automatic slam shut valve for increase in pressure, with fail close actuator that interrupts the process gas flow in case of decrease of monitored pressure. Body material in cast carbon steel.

- Diameters: 1" to 12" (Flanged Class ASME 150# to 600# - others under consult)
- Over spring range: 0.02 to 90 bar

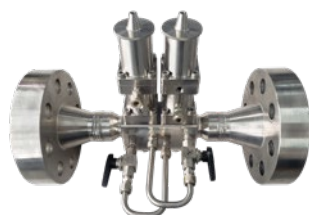
(* Its also available version for blocking only for decrease in pressure (model GDPS).



G10F / G11F

Automatic slam shut valve for increase in pressure supplied with a filter 10µm. Construction with design extremely compact; its ideal for installation in residential areas with few available space, pressure regulating stations in buried boxes etc. Body in cast carbon steel.

- Diameters : 3/4" and 1" NPT-F or BSP.
- Set Pressure Range: 20 mbar to 5 bar



TWIN

Automatic double slam shut valve for increase in pressure supplied with two actuators in series. The set pressure of actuator B is quite higher than actuator A, then, in case of A actuator fail the other one will block and interrupt the process gas flow. Body construction in Stainless Steel with robust design allowing the application with high working pressure up to 250 bar.

- Diameter: 1/2", 3/4" and 1" (Thread BSP or NPT or Flanged Class 150# to 2500#)
- Set Pressure Range: 4 a 82 bar



ARGOS RELIEF (BACK PRESSURE)

Pilot operated partial pressure relief valve utilized mainly in applications with natural gas where the set pressure is over than 14 bar or when the process has high flow. Body material in cast carbon steel.

- Diameter: 1" to 6" (Flanged Class ASME 150# to 600#)
- Outlet Pressure Range: 0.7 a 63.5 bar



JUNIOR RELIEF

The partial pressure relief valves are self operated and with simple construction. The Series is divided in two models. Body material in cast carbon steel and ductile iron. Thread NPT-F or flanged Class 150#.

- Model CH ALIVIO - Diameters: 3/4" and 1"
- Set Pressure Range: 0.2 to 14 bar
- Model LP ALIVIO - Diameters: 3/4"x1" and 1"x1"
- Set Pressure Range: 10 a 240 mbar





Gascat Indústria e Comércio Ltda.
Rodovia SP 73, nº 1141 - Distrito Industrial
Indaiatuba - SP - Brasil - CEP 13347-390
Phone: +55 (19) 3936-9300
sales@gascat.com.br

  /gascat

www.gascat.com.br



Distributor

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