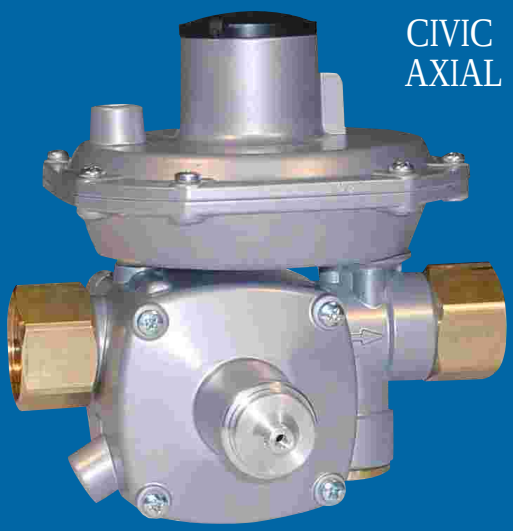
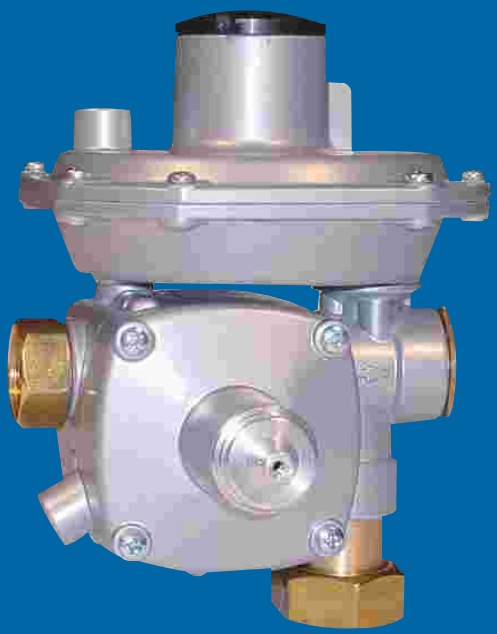
VIRTUAL CATALOGUE

PRESSURE REGULATOR
DOUBLE STAGE

- *FLOW 6, 12, 25, 50 Nm³/h*
- *MAXIMUM PRESSURE SLAM-SHUT VALVE*
- *MINIMUM PRESSURE SLAM-SHUT VALVE*
- *MAXIMUM CAPACITY SLAM-SHUT VALVE*
- *AXIAL CONNECTIONS*
- *90º CONNECTIONS*
- *WIDE RANGE OF APPLICATIONS*
- *EASY TO INSTALL*
- *HIGH PRECISION REGULATION*
- *EASY MAINTENANCE*

CIVIC AXIAL





CIVIC 90º

APQ

CIVIC SERIES

Use

The features of the CIVIC regulator provide for use with optimum results in domestic or industrial gas installations in which required flow does not exceded 50 (s)m³/hr. It may be installed axially on the gas line or directly on the meter.
It works with natural gas, manufactured gas, air and other gases that do not contain a high percentage of benzole.

Versions

Type	Version
CIVIC 6	6 Nm^3/h
CIVIC 12	12 Nm^3/h
CIVIC 25	25 Nm^3/h
CIVIC 50	50 Nm^3/h

Nominal flows with Pe 0.5 bar (50 kPa) except for the CIVIC 50 for which the flow is Pe 1 bar (100 kPa), with natural gas with a density of 0.61.

Construction features

CIVIC series regulators are double stage and are regulated by spring. The first stage is adjusted to a fixed value and the second stage is adjustable from the exterior. The regulator's double stage feature provides output pressure with high stability against variations in input pressure.
There are axial and 90º regulator connections, with a high number of different connection options.
To meet the needs of the customer or supplier company, different versions are available that may be supplied with:

- Filter incorporated in the regulator input to stop dirt from preventing the regulator from working properly.

- Opso. This operates by stopping the flow of gas, in the event that output pressure rises to the set value, which may be adjusted. Resetting is manual.
  Cause:
  - Abrupt closure of the regulator's output valve.
  - Regulator malfunction.

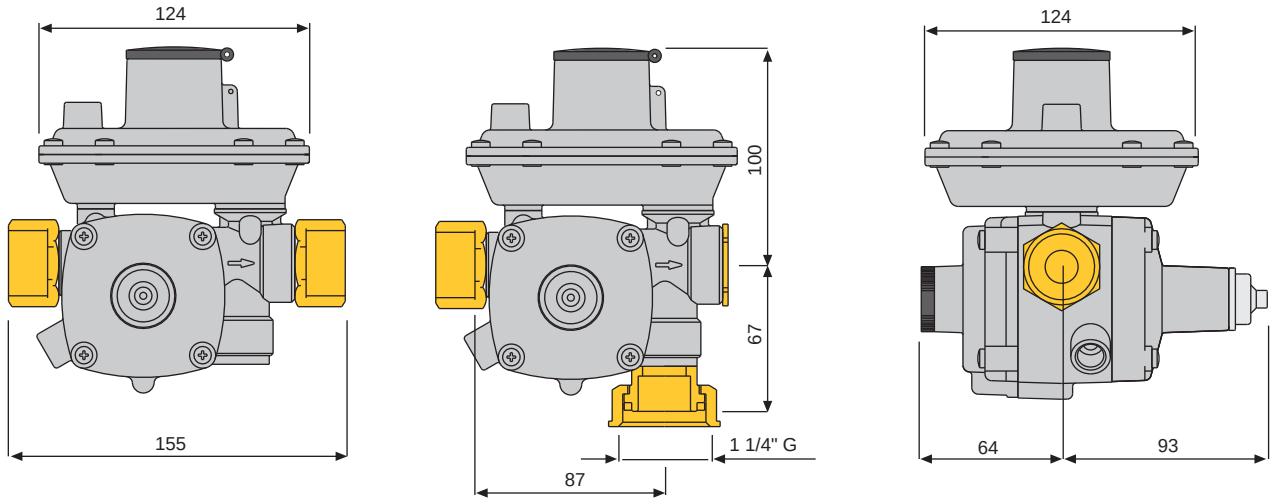
- Upso. This operates by stopping the flow of gas, in the event the output pressure falls to the set value, which may be adjusted. Resetting is manual.
  Cause:
  - A fall in input pressure below its minimum value.
  - Excess consumption by the installation.
  - Regulator malfunction

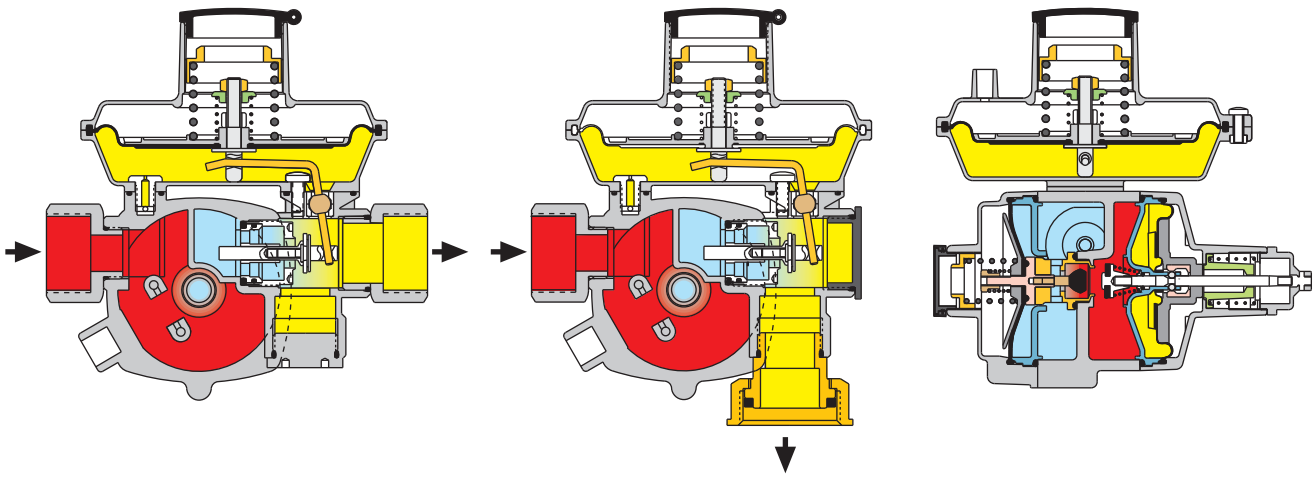
- International Relief valve that removes a small volume of gas in the event that surge pressure in the regulator output should increase. This value may be adjusted.
  Cause:
  - E.g. an increase in temperature in the installation at zero flow.
  - Regulator malfunction

TECHNICAL CHARACTERISTICS

Inlet pressure	bpe	0,5 to 6 bar (50 to 600 kPa)
Maximum inlet pressure	Pe max	6 bar (600 k Pa)
Range exit pressure	Wh	15 a 160 mbar (1,5 to 16 kPa)
Regulation accuracy	RG	10
Closure overpressure	SG	15
Operational temperature		-10º + 50ºC
Inlet connections		Female lock nut 3/4" or 1" Sliding nut 3/4"
Exit connections axial		Female lock nut 3/4" or 1"
Exit connections 90º		Nut tap 1" Sliding nut 1" Sliding nut 1.1/4"

Dimensions In mm



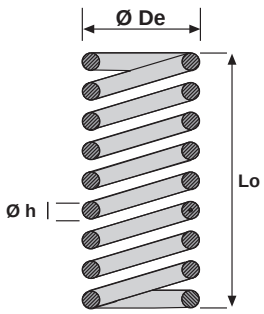


MATERIALS

Body	Injected aluminium
Covers 1ª stage	Injected aluminium
Covers 2ª stage	Injected aluminium
Block cover	Injected aluminium
Membranes	Nitrile
Joins	Nitrile
Valves	Brass
Valves seat	Brass
Shaft	Steel
Nipples	Brass / Steel

FIT SPRINGS CIVIC EXIT PRESSURE

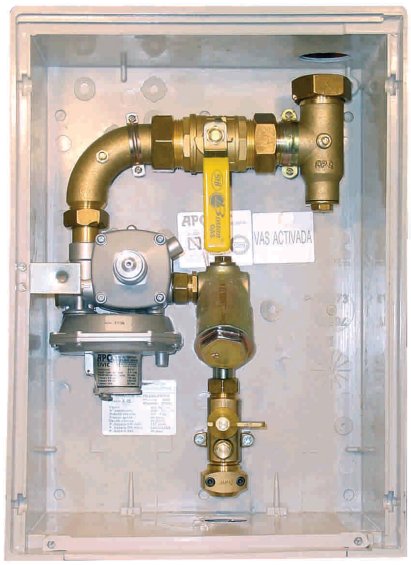
Springs	Ø De	Ø h	Lo	Vt	Outlet Pressures and kPa			
					Minimum Ps		Maximum Ps	
					mbar	kPa	mbar	kPa
ZM335058121	35,8	1,2	58	7	9	0,9	11	1,1
ZM335058150	35,8	1,5	58	8	11	1,1	14	1,4
ZM335058151	35,8	1,5	58	7	14	1,4	18	1,8
ZM335058180	35,8	1,8	58	8	18	1,8	23	2,3
ZM335058181	35,8	1,8	58	7	21	2,1	26	2,6
ZM335058200	35,8	2,0	58	8	23	2,3	31	3,1
ZM335058201	35,8	2,0	58	7	31	3,1	39	3,9
ZM335058220	35,8	2,2	58	8	35	3,5	42	4,2
ZM335058221	35,8	2,2	58	7	42	4,2	52	5,2
ZM335058231	35,8	2,3	58	7	48	4,8	61	6,1
ZM335058241	35,8	2,4	58	7	57	5,7	72	7,2
ZM335058251	35,8	2,5	58	7	66	6,6	83	8,3
ZM335058261	35,8	2,6	58	7	80	8	99	9,9
ZM335058280	35,8	2,8	58	8	88	8,8	103	10,3
ZM335058281	35,8	2,8	58	7	102	10,2	124	12,4
ZM335058300	35,8	3,0	58	7,5	115	11,5	132	13,2
ZM335058301	35,8	3,0	58	7	129	12,9	150	15



Vt: Total spires

Dimensions in mm

APPLICATION EXAMPLES



A - 25
(s) m³/h

A - 50R
(s) m³/h

The data contained in this catalogue may be modified without prior notice.

APQ

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