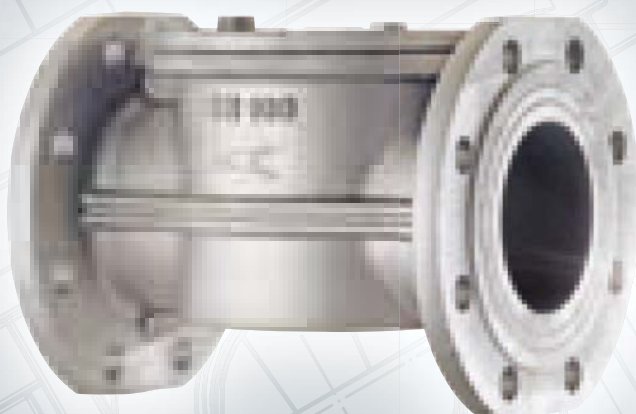




GAS TRAIN EQUIPMENTS

CAVAGNA INDUSTRIE®

CAVAGNA INDUSTRIE®

We believe in Quality, we contribute
to increase the Italian Technology
and the Style that countersigns
the excellence of Italy all over the world.



The background of the page is a photograph of an industrial gas facility. In the foreground, there are large, complex pipes and valves. In the background, there are industrial buildings and a tall chimney emitting a plume of white smoke. Overlaid on the bottom half of the image is a large, semi-transparent green circle containing a white pressure gauge. The gauge has a black needle pointing towards the 2 on a scale from 0 to 4. The text 'Gas Governors' is written in a white, serif font in the upper left quadrant of the green circle.

Gas Governors

» Spring-loaded governors, are designed and built according UNI EN 88 class A - group 2 specifications, can be used for all the types of natural gas LPG or not corrosive gases. These regulators are widely used in supply lines for mixed and combined burners and in the piped distribution of methane gas and LPG in both industrial and non-industrial applications. Spring-loaded/ governors are self-acting type with balanced obturator and double safety diaphragm. The double diaphragm allow to use the device within the cabinet, without connecting an external pipe venting. (Point 3.3.2 of UNI EN 88 regulation). All regulators have internal sensing line and inlet/outlet pressure test point.

Gas Governors

GAS GOVERNOR ½", ¾", 1" – Pmax 500 mbar	p. 6
GAS GOVERNOR 1 ¼", 1 ½" – Pmax 500 mbar	p. 8
GAS GOVERNOR 2" – Pmax 500 mbar	p. 10
GAS GOVERNOR ½", ¾" and 1" – Pmax 1 bar	p. 12
GAS GOVERNOR 1 ¼", 1 ½" – Pmax 1 bar	p. 14
GAS GOVERNOR 2" – Pmax 1 bar	p. 16
GAS GOVERNOR ½", ¾" and 1" – Pmax 2 bar	p. 18
GAS GOVERNOR 1 ¼", 1 ½" – Pmax 2 bar	p. 20
GAS GOVERNOR 2" – Pmax 2 bar	p. 22



GAS GOVERNOR ½", ¾", 1" – Pmax 500 mbar



Code	Description	Dimension	Pmax
RG015	Gas Governor	½"	500 mbar
RG020	Gas Governor	¾"	500 mbar
RG025	Gas Governor	1"	500 mbar
RGD25	Gas Governor	DN25	500 mbar

RG015-FT	Gas Governor with filter	½"	500 mbar
RG020-FT	Gas Governor with filter	¾"	500 mbar
RG025-FT	Gas Governor with filter	1"	500 mbar
RGD25-FT	Gas Governor with filter	DN25	500 mbar

If you want test point in and out pls add code TPI0 at the end of the code.

TECHNICAL FEATURES

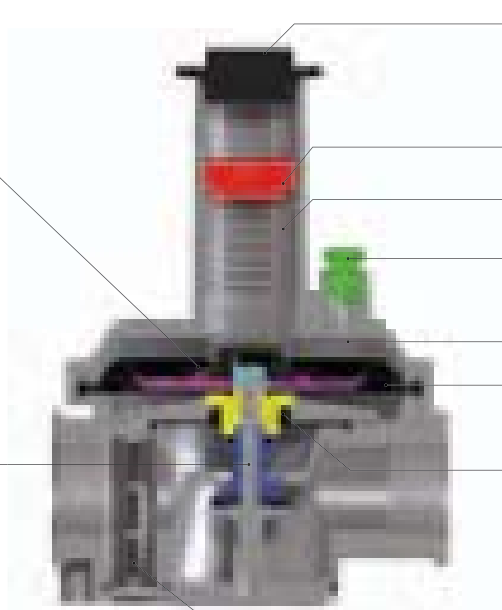
Pmax	inlet max – 500 mbar
Setting outlet	10 – 300 mbar – Standard spring supplied 10 – 27 mbar – Other spring on request
Filtering	≤ 50µm – Plastic cartridge
Inlet - Outlet Connection	Thread gas ½", ¾", 1" - ISO 228 DN25 - Sliding Aluminium flange PN10
Test point	Inlet / outlet on request – Test point 1/8" NPT
Working Temperature	- 20 °C – + 60 °C
Use	Not aggressive gases of three families – Natural Gas – LPG – Town Gas
Approval	UNI EN 88-1:2011

Materials:

Complete Body	Die – Cast Aluminium Gd – AlSi12Cu – EN AB 46100
Diaphragms	NBR 60Sh – DvGW EN 549
Plastic components	Yellow POM / Pa 66 + 25% Gf

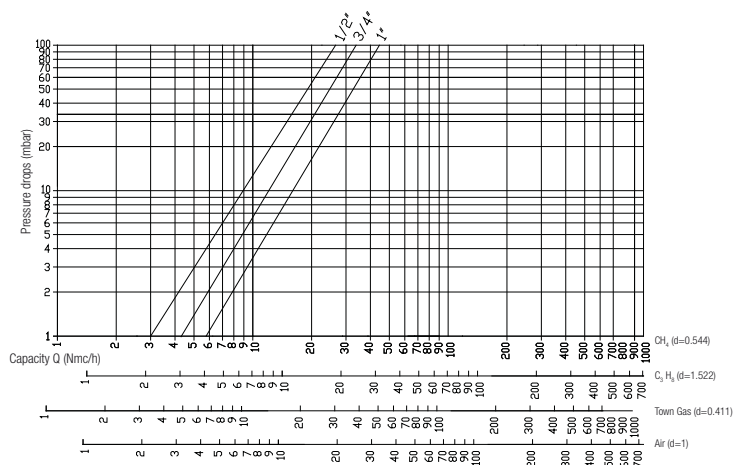
Spring Range:

Color	Range mbar
White	5 - 14 mbar
Yellow	6 - 22 mbar
Neutral	10 - 27 mbar
Red	28 - 70 mbar
Black	60 - 130 mbar
Blue	120 - 300 mbar

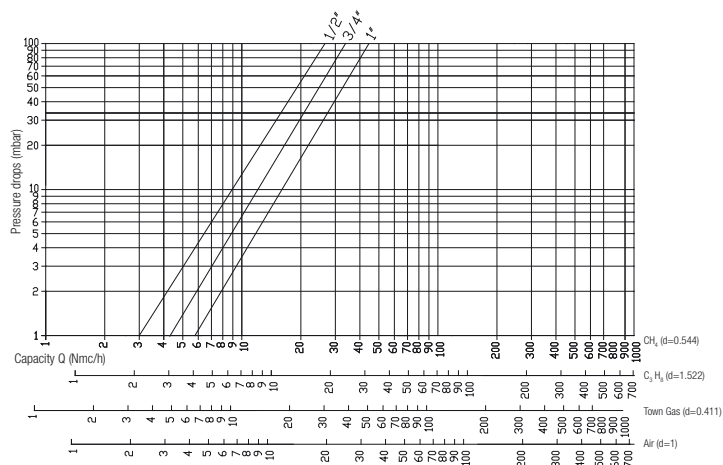


- 1 Seal cap
- 2 Spring compressor
- 3 Spring
- 4 Vent connection
- 5 Safety diaphragm
- 6 Compensation diaphragm
- 7 Working diaphragm
- 8 Anti-impurity filter

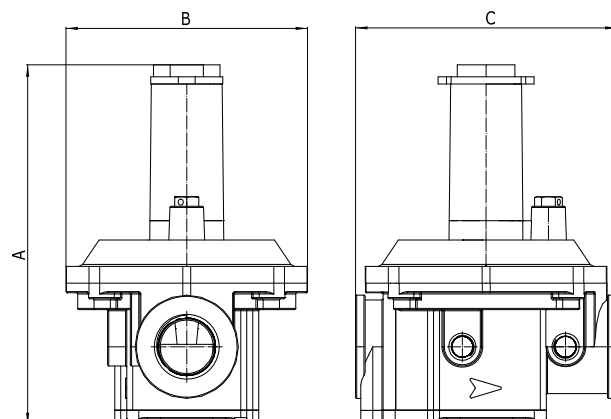
FLOW CHART – Gas Governor without filter



FLOW CHART – Gas Governor with filter



DIMENSIONS (mm) and WEIGHT (kgs)				
Dimension	A	B	C	Weight
1/2"	154	100	115	0,720
3/4"	154	100	115	0,688
1"	154	100	115	0,663



GAS GOVERNOR 1 ¼", 1 ½" – Pmax 500 mbar



Code	Description	Dimension	Pmax
RG032	Gas Governor	1 ¼ "	500 mbar
RG040	Gas Governor	1 ½"	500 mbar
RGD32	Gas Governor	DN32	500 mbar
RGD40	Gas Governor	DN40	500 mbar
RG032-FT	Gas Governor with filter	1 ¼ "	500 mbar
RG040-FT	Gas Governor with filter	1 ½"	500 mbar
RGD32-FT	Gas Governor with filter	DN32	500 mbar
RGD40-FT	Gas Governor with filter	DN40	500 mbar

If you want test point in and out pls add code TPIO at the end of the code.

TECHNICAL FEATURES

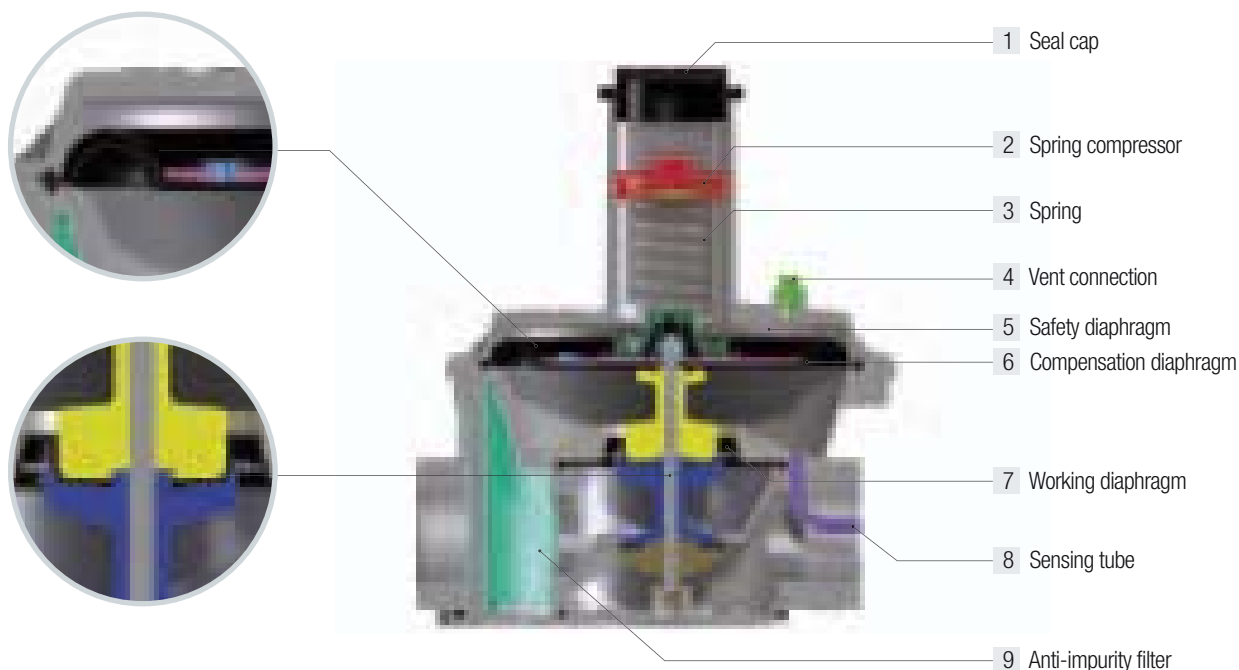
Pmax	inlet max – 500 mbar
Setting outlet	10 – 300 mbar – Standard spring supplied 10 – 27 mbar – Other spring on request
Filtering	≤ 50µm – Viledon cartridge
Inlet - Outlet Connection	Thread gas 1 ¼" 1½" - ISO 228 DN32 - DN40 - Sliding Aluminium flange PN10
Test point	Inlet / outlet on request – Test point 1/8" NPT
Working Temperature	- 20 °C – + 60 °C
Use	Not aggressive gases of three families – Natural Gas – LPG – Town Gas
Approval	UNI EN 88-1:2011

Materials:

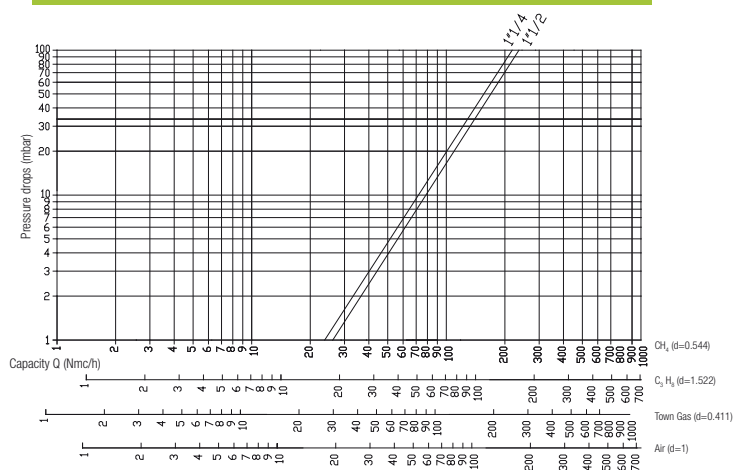
Complete Body	Die – Cast Aluminium Gd – AlSi12Cu - EN AB 46100
Diaphragms	NBR 60Sh – DvGW EN 549
Plastic components	White POM / Pa 66 + 25% Gf

Spring Range:

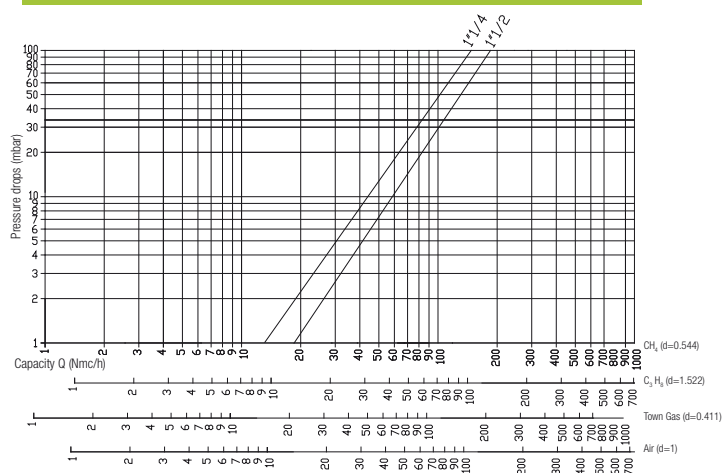
Color	Range mbar
White	5 - 14 mbar
Yellow	6 - 22 mbar
Neutral	10 - 27 mbar
Red	28 - 70 mbar
Black	60 - 130 mbar
Blue	120 - 300 mbar



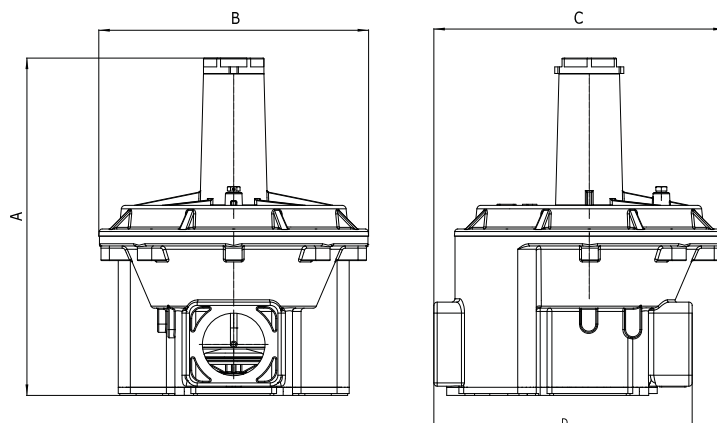
FLOW CHART – Gas Governor without filter



FLOW CHART – Gas Governor with filter



DIMENSIONS (mm) and WEIGHT (kgs)					
Dimension	A	B	C	D	Weight
1 1/4"	243.5	195.5	206	194	3,140
1 1/2"	243.5	195.5	206	194	3,060



GAS GOVERNOR 2" – Pmax 500 mbar



Code	Description	Dimension	Pmax
RG050	Gas Governor	2"	500 mbar
RGD50	Gas Governor	DN50	500 mbar

RG050-FT	Gas Governor with filter	2"	500 mbar
RGD50-FT	Gas Governor with filter	DN50	500 mbar

If you want test point in and out pls add code TPIO at the end of the code.

TECHNICAL FEATURES

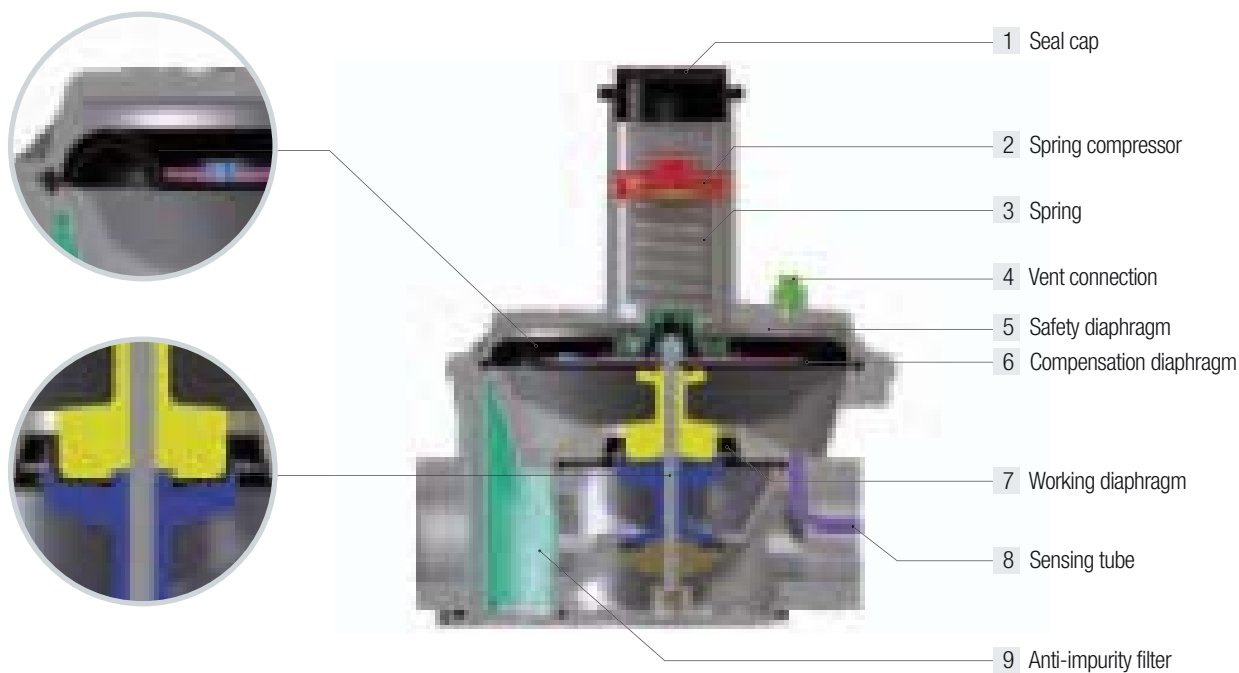
Pmax	inlet max – 500 mbar
Setting outlet	10 – 300 mbar – Standard spring supplied 10 – 27 mbar – Other spring on request
Filtering	≤ 50µm – Viledon cartridge
Inlet- Outlet Connection	Thread gas 2" - ISO 228 DN50 - Sliding Aluminium flange PN10
Test point	Inlet / outlet on request – Test point 1/8" NPT
Working Temperature	- 20 °C – + 60 °C
Use	Not aggressive gases of three families – Natural Gas – LPG – Town Gas
Approval	UNI EN 88-1:2011

Materials:

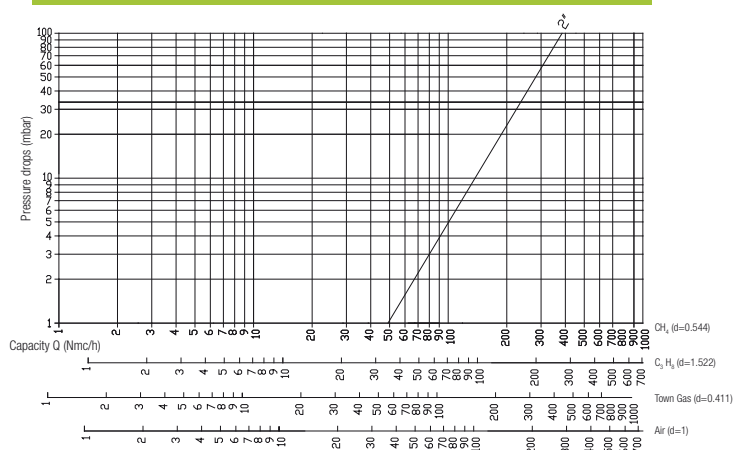
Complete Body	Die – Cast Aluminium Gd – AlSi12Cu - EN AB 46100
Diaphragms	NBR 60Sh – DvGW EN 549
Plastic components	White POM / Pa 66 + 25% Gf

Spring Range:

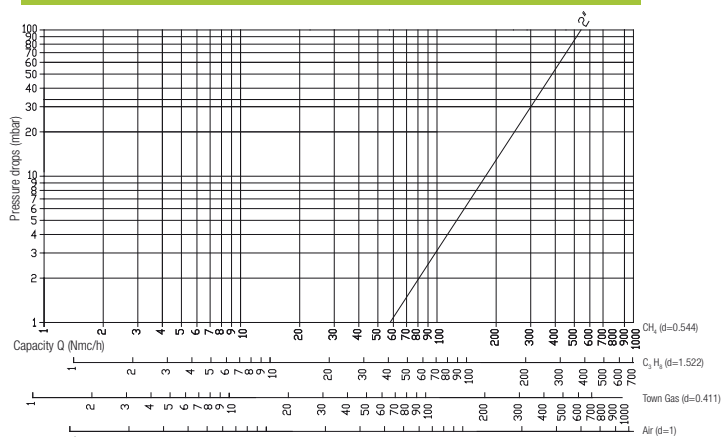
Color	Range mbar
White	5 - 14 mbar
Yellow	6 - 22 mbar
Neutral	10 - 27 mbar
Red	28 - 70 mbar
Black	60 - 130 mbar
Blue	120 - 300 mbar



FLOW CHART – Gas Governor without filter

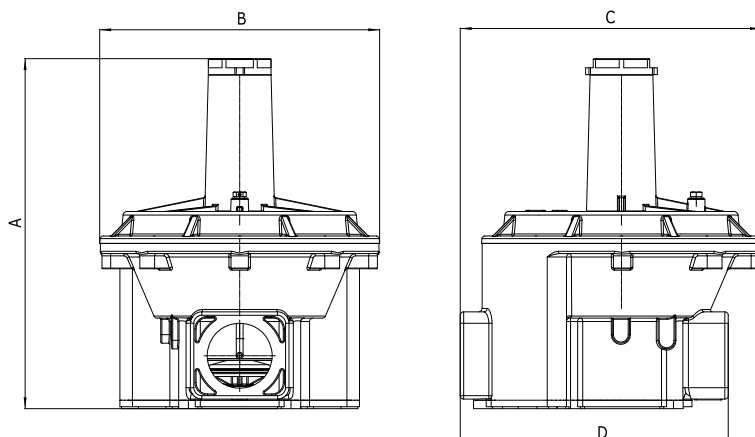


FLOW CHART – Gas Governor with filter



DIMENSIONS (mm) and WEIGHT (kgs)

Dimension	A	B	C	D	Weight
2"	301	245	264	235	5,8



GAS GOVERNOR ½", ¾" and 1" – Pmax 1 bar



Code	Description	Dimension	Pmax
RG015-1B	Gas Governor	½"	Pmax 1 bar
RG020-1B	Gas Governor	¾"	Pmax 1 bar
RG025-1B	Gas Governor	1"	Pmax 1 bar
RGD25-1B	Gas Governor	DN25	Pmax 1 bar

RG015-FT-1B	Gas Governor with filter	½"	Pmax 1 bar
RG020-FT-1B	Gas Governor with filter	¾"	Pmax 1 bar
RG025-FT-1B	Gas Governor with filter	1"	Pmax 1 bar
RGD25-FT-1B	Gas Governor with filter	DN25	Pmax 1 bar

If you want test point in and out pls add code TPIO at the end of the code.

TECHNICAL FEATURES

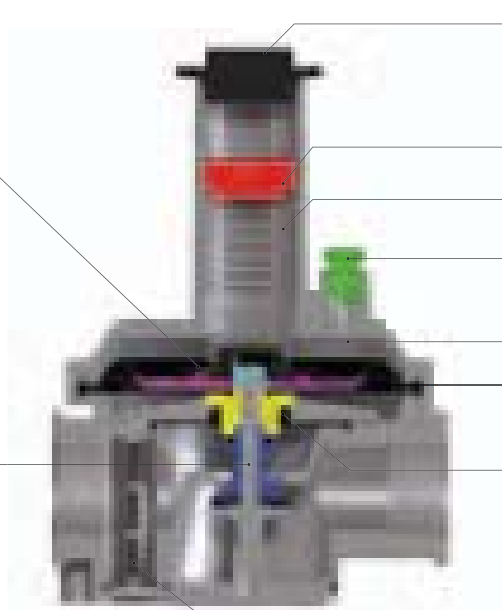
Pmax	inlet max – 500 mbar
Setting outlet	10 – 300 mbar – Standard spring supplied 10 – 27 mbar – Other spring on request
Filtering	≤ 50µm –
Inlet - Outlet Connection	Thread gas ½", ¾" 1" - ISO 228 DN25 - Sliding Aluminium flange PN10
Test point	Inlet / outlet on request – Test point 1/8" NPT
Working Temperature - 20 °C – + 60 °C	
Use	Not aggressive gases of three families – Natural Gas – LPG – Town Gas
Approval	UNI EN 88-2:2008

Materials:

Complete Body	Die – Cast Aluminium Gd – AlSi12Cu - EN AB 46100
Diaphragms	NBR 60Sh – DvGW EN 549
Plastic components	Yellow POM / Pa 66 + 25% Gf

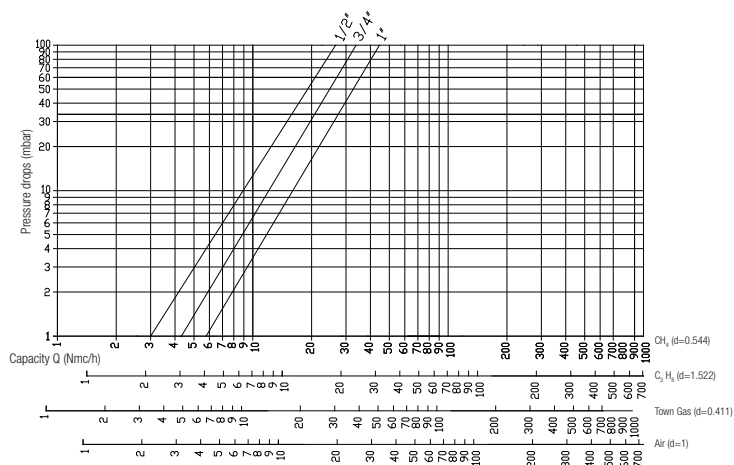
Spring Range:

Color	Range mbar
White	5 - 14 mbar
Yellow	6 - 22 mbar
Neutral	10 - 27 mbar
Red	28 - 70 mbar
Black	60 - 130 mbar
Blue	120 - 300 mbar

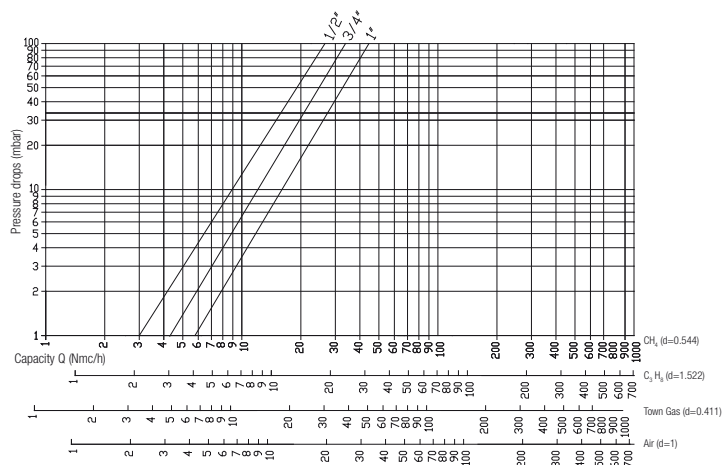


- 1 Seal cap
- 2 Spring compressor
- 3 Spring
- 4 Vent connection
- 5 Safety diaphragm
- 6 Compensation diaphragm
- 7 Working diaphragm
- 8 Anti-impurity filter

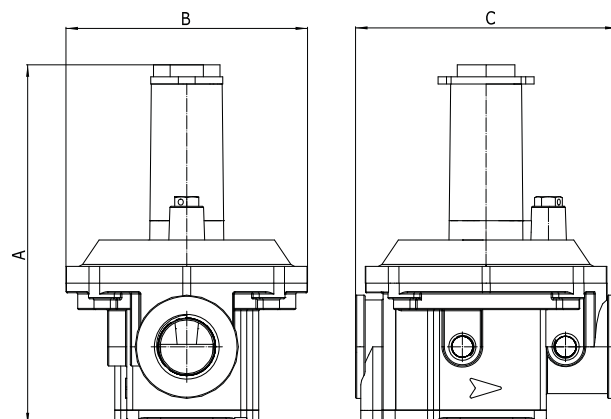
FLOW CHART – Gas Governor without filter



FLOW CHART – Gas Governor with filter



DIMENSIONS (mm) and WEIGHT (kgs)				
Dimension	A	B	C	Weight
1/2"	154	100	115	0,720
3/4"	154	100	115	0,688
1"	154	100	115	0,663



GAS GOVERNOR 1 ¼", 1 ½" – Pmax 1 bar



Code	Description	Dimension	Pmax
RG032-1B	Gas Governor	1 ¼"	1 bar
RG040-1B	Gas Governor	1 ½"	1 bar
RGD32-1B	Gas Governor	DN32	1 bar
RGD40-1B	Gas Governor	DN40	1 bar

RG032-FT-1B	Gas Governor with filter	1 ¼"	1 bar
RG040-FT-1B	Gas Governor with filter	1 ½"	1 bar
RGD32-FT-1B	Gas Governor with filter	DN32	1 bar
RGD40-FT-1B	Gas Governor with filter	DN40	1 bar

If you want test point in and out pls add code TPIO at the end of the code.

TECHNICAL FEATURES

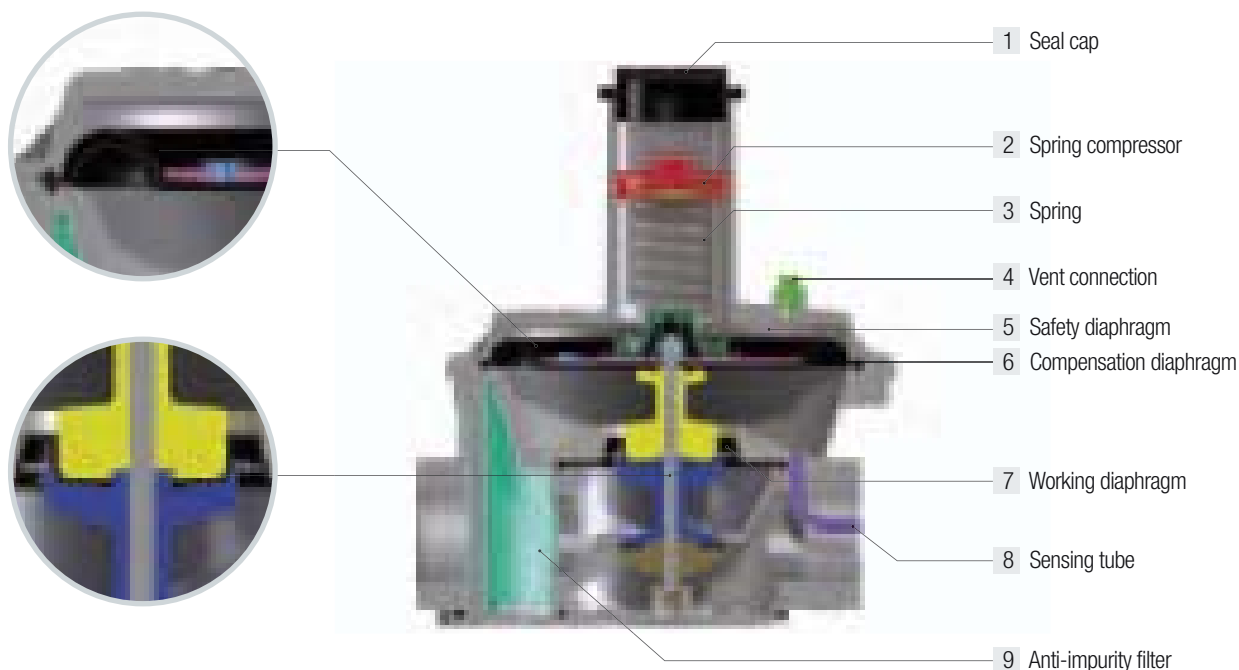
Pmax	inlet max – 1 bar
Setting outlet	10 – 300 mbar – Standard spring supplied 10 – 27 mbar – Other spring on request
Filtering	≤ 50µm – Viledon cartridge
Inlet - Outlet Connection	Thread gas 1 ¼" 1½" - ISO 228 DN32 DN40 - Sliding Aluminium flange PN10
Test point	Inlet / outlet on request – Test point 1/8" NPT
Working Temperature	- 20 °C – + 60 °C
Use	Not aggressive gases of three families – Natural Gas – LPG – Town Gas
Approval	UNI EN 88-2:2008

Materials:

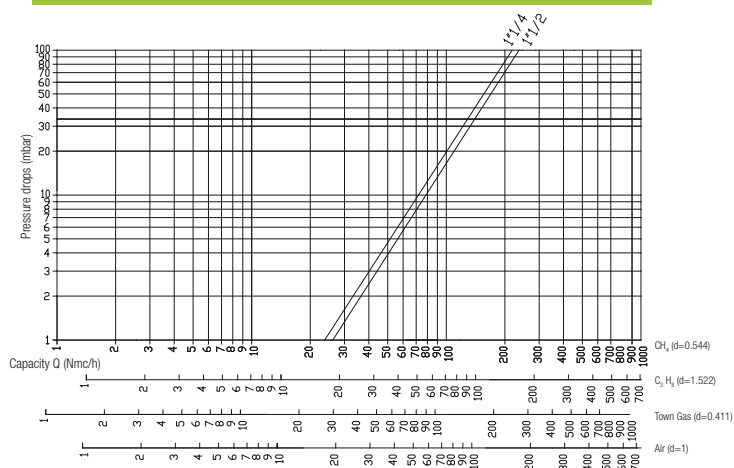
Complete Body	Die – Cast Aluminium Gd – AlSi12Cu - EN AB 46100
Diaphragms	NBR 60Sh – DvGW EN 549
Plastic components	White POM / Pa 66 + 25% Gf

Spring Range:

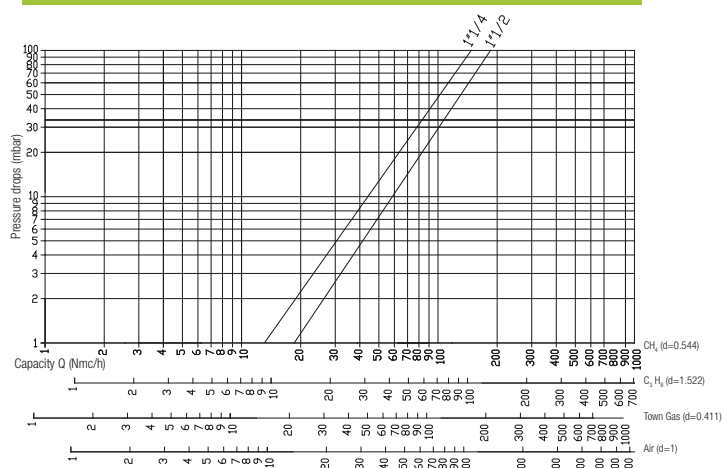
Color	Range mbar
White	5 - 14 mbar
Yellow	6 - 22 mbar
Neutral	10 - 27 mbar
Red	28 - 70 mbar
Black	60 - 130 mbar
Blue	120 - 300 mbar



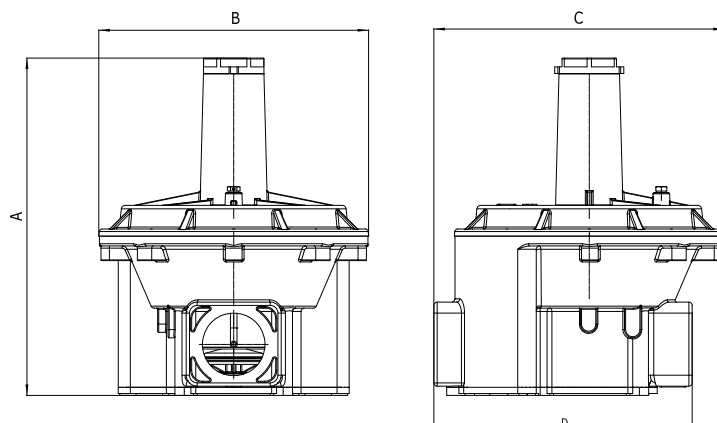
FLOW CHART – Gas Governor without filter



FLOW CHART – Gas Governor with filter



DIMENSIONS (mm) and WEIGHT (kgs)					
Dimension	A	B	C	D	Weight
1 1/4"	243.5	195.5	206	194	3,140
1 1/2"	243.5	195.5	206	194	3,060



GAS GOVERNOR 2" – Pmax 1 bar



Code	Description	Dimension	Pmax
RG050-1B	Gas Governor	2"	1 bar
RGD50-1B	Gas Governor	DN50	1 bar
RG050-FT-1B	Gas Governor with filter	2"	1 bar
RGD50-FT-1B	Gas Governor with filter	DN50	1 bar

If you want test point in and out pls add code TPIO at the end of the code.

TECHNICAL FEATURES

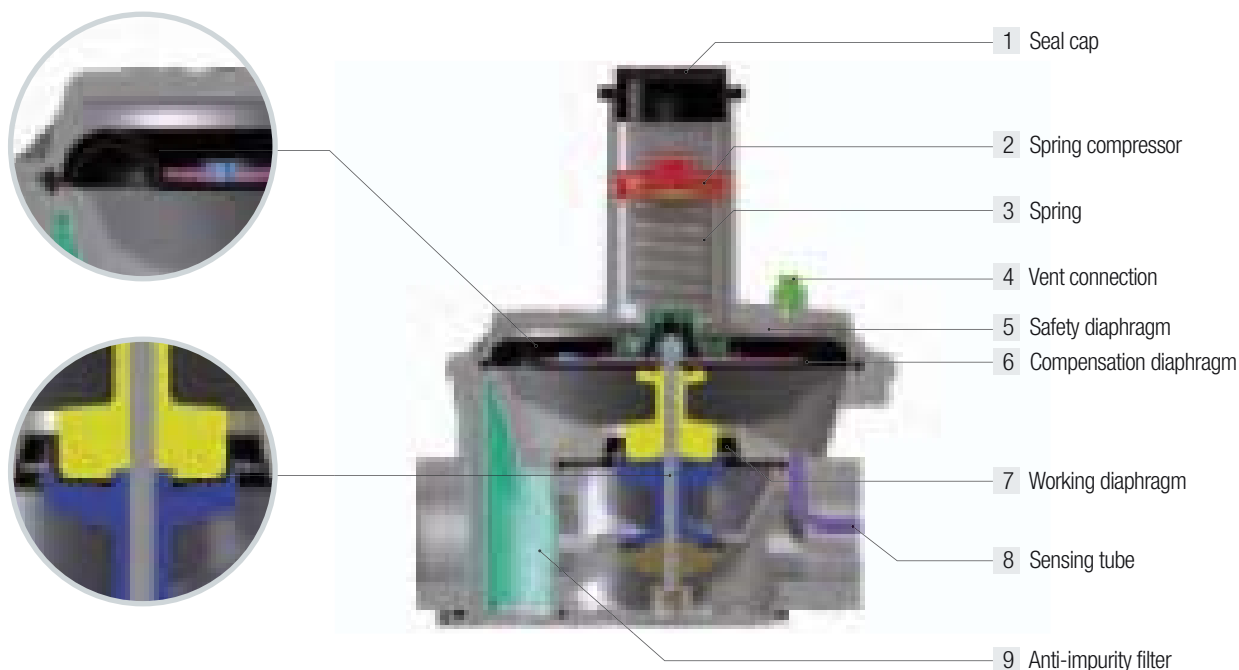
Pmax	inlet max – 1 bar
Setting outlet	10 – 300 mbar – Standard spring supplied 10 – 27 mbar – Other spring on request
Filtering	≤ 50µm – Viledon cartridge
Inlet - Outlet Connection	Thread gas 2" - ISO 228 DN50 - Sliding Aluminium flange PN10
Test point	Inlet / outlet on request – Test point 1/8" NPT
Working Temperature	- 20 °C – + 60 °C
Use	Not aggressive gases of three families – Natural Gas – LPG – Town Gas
Approval	UNI EN 88-2:2008

Materials:

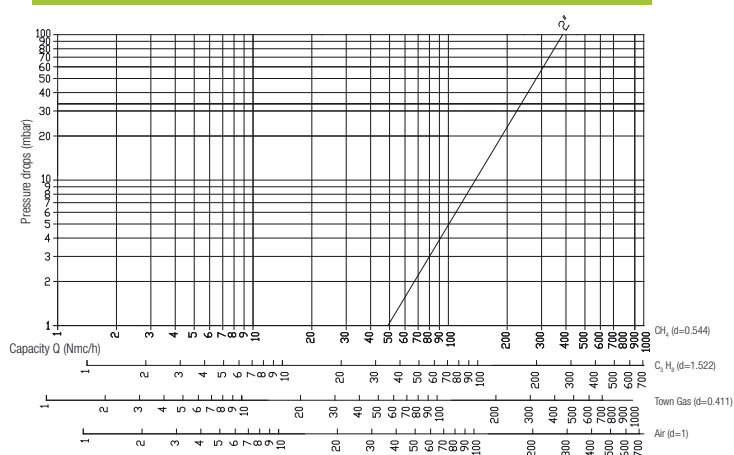
Complete Body	Die – Cast Aluminium Gd – AlSi12Cu - EN AB 46100
Diaphragms	NBR 60Sh – DvGW EN 549
Plastic components	White POM / Pa 66 + 25% Gf

Spring Range:

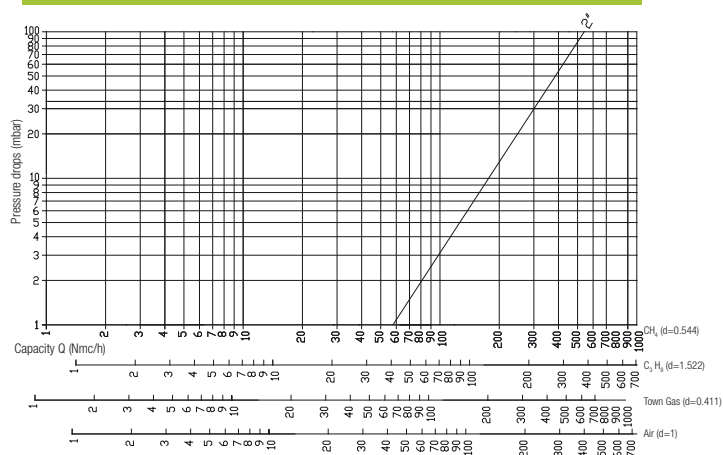
Color	Range mbar
White	5 - 14 mbar
Yellow	6 - 22 mbar
Neutral	10 - 27 mbar
Red	28 - 70 mbar
Black	60 - 130 mbar
Blue	120 - 300 mbar



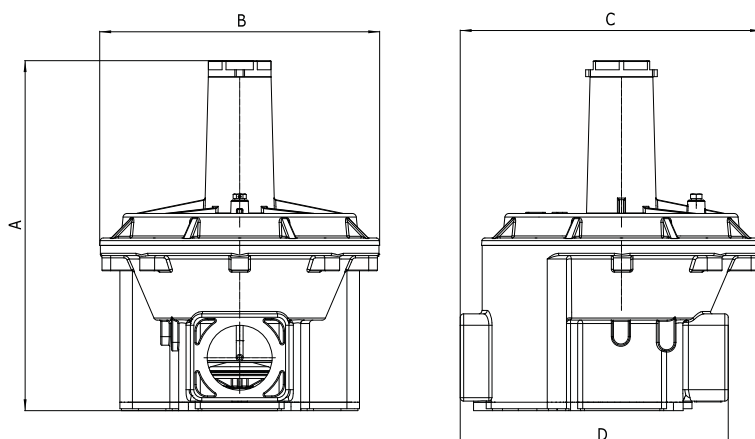
FLOW CHART – Gas Governor without filter



FLOW CHART – Gas Governor with filter



DIMENSIONS (mm) and WEIGHT (kgs)					
Dimension	A	B	C	D	Weight
2"	301	245	264	235	5,8



GAS GOVERNOR ½", ¾" and 1" – Pmax 2 bar



Code	Description	Dimension	Pmax
RG015-2B	Gas Governor	½"	Pmax 2 bar
RG020-2B	Gas Governor	¾"	Pmax 2 bar
RG025-2B	Gas Governor	1"	Pmax 2 bar
RGD25-2B	Gas Governor	1"	Pmax 2 bar

RG032-2B	Gas Governor with filter	1 ¼ "	500 mbar
RG040-2B	Gas Governor with filter	1 ½"	500 mbar
RGD32-2B	Gas Governor with filter	DN32	500 mbar
RGD40-2B	Gas Governor with filter	DN40	500 mbar

If you want test point in and out pls add code TPIO at the end of the code.

TECHNICAL FEATURES

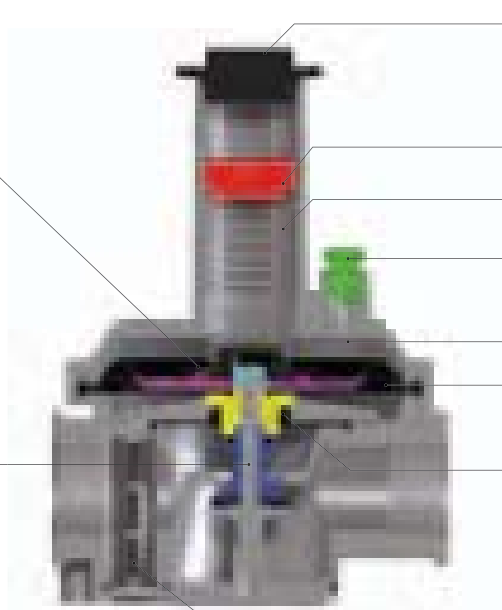
Pmax	inlet max – 2 bar
Setting outlet	10 – 300 mbar – Standard spring supplied 10 – 27 mbar – Other spring on request
Filtering	≤ 50µm –
Inlet - Outlet Connection	Thread gas ½", ¾" 1" - ISO 228 DN25 - Sliding Aluminium flange PN10
Test point	Inlet / outlet on request – Test point 1/8" NPT
Working Temperature	- 20 °C – + 60 °C
Use	Not aggressive gases of three families – Natural Gas – LPG – Town Gas
Approval	UNI EN 88-2:2008

Materials:

Complete Body	Die – Cast Aluminium Gd – AlSi12Cu - EN AB 46100
Diaphragms	NBR 60Sh – DvGW EN 549
Plastic components	Yellow POM / Pa 66 + 25% Gf

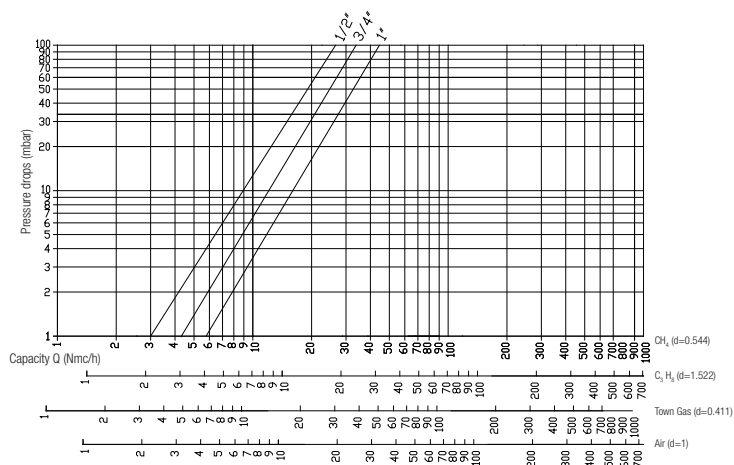
Spring Range:

Color	Range mbar
White	5 - 14 mbar
Yellow	6 - 22 mbar
Neutral	10 - 27 mbar
Red	28 - 70 mbar
Black	60 - 130 mbar
Blue	120 - 300 mbar

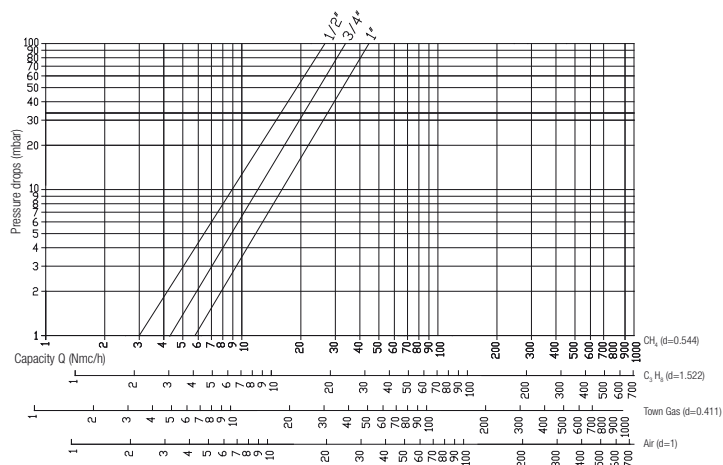


- 1 Seal cap
- 2 Spring compressor
- 3 Spring
- 4 Vent connection
- 5 Safety diaphragm
- 6 Compensation diaphragm
- 7 Working diaphragm
- 8 Anti-impurity filter

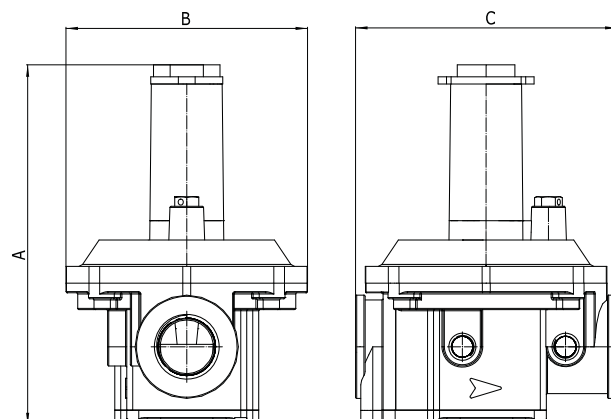
FLOW CHART – Gas Governor without filter



FLOW CHART – Gas Governor with filter



DIMENSIONS (mm) and WEIGHT (kgs)				
Dimension	A	B	C	Weight
1/2"	154	100	115	0,720
3/4"	154	100	115	0,688
1"	154	100	115	0,663



GAS GOVERNOR 1 ¼", 1 ½" – Pmax 2 bar



Code	Description	Dimension	Pmax
RG032-2B	Gas Governor	1 ¼"	2 bar
RG040-2B	Gas Governor	1 ½"	2 bar
RGD32-2B	Gas Governor	DN32	2 bar
RGD40-2B	Gas Governor	DN40	2 bar

RG032-FT-2B	Gas Governor with filter	1 ¼"	2 bar
RG040-FT-2B	Gas Governor with filter	1 ½"	2 bar
RGD32-FT-2B	Gas Governor with filter	DN32	2 bar
RGD40-FT-2B	Gas Governor with filter	DN40	2 bar

If you want test point in and out pls add code TPIO at the end of the code.

TECHNICAL FEATURES

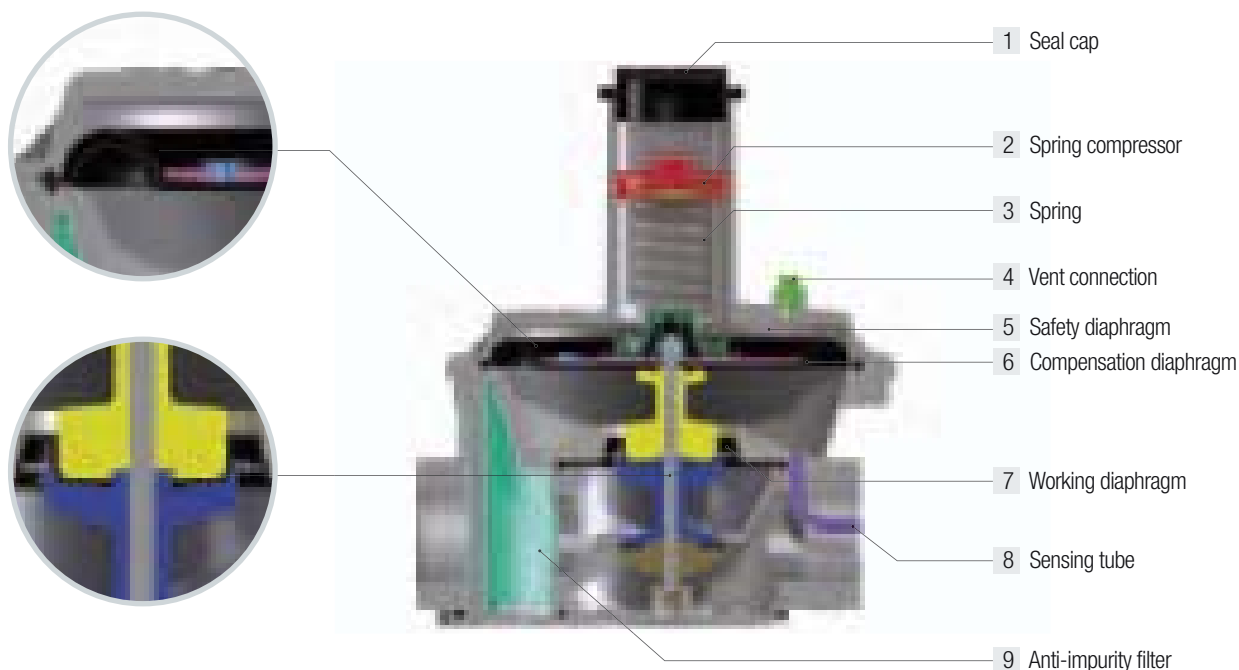
Pmax	inlet max – 2 bar
Setting outlet	10 – 300 mbar – Standard spring supplied 10 – 27 mbar – Other spring on request
Filtering	≤ 50µm – Viledon cartridge
Inlet - Outlet Connection	Thread gas 1 ¼" 1 ½" - ISO 228 DN32 DN40 - Sliding Aluminium flange PN10
Test point	Inlet / outlet on request – Test point 1/8" NPT
Working Temperature	- 20 °C – + 60 °C
Use	Not aggressive gases of three families – Natural Gas – LPG – Town Gas
Approval	UNI EN 88-2:2008

Materials:

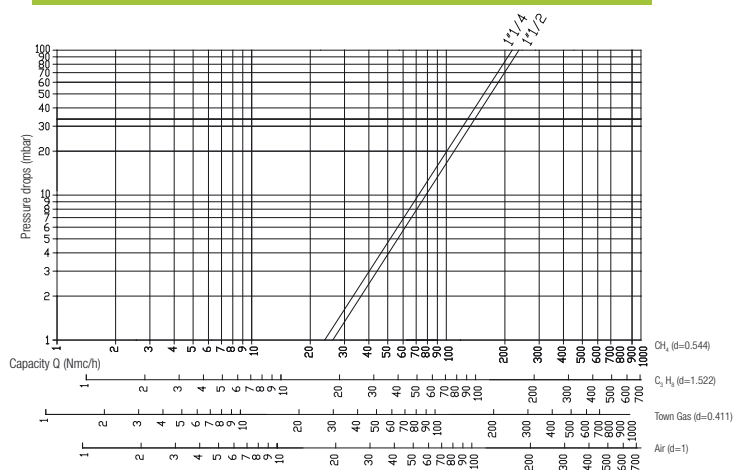
Complete Body	Die – Cast Aluminium Gd – AISI12Cu - EN AB 46100
Diaphragms	NBR 60Sh – DvGW EN 549
Plastic components	White POM / Pa 66 + 25% Gf

Spring Range:

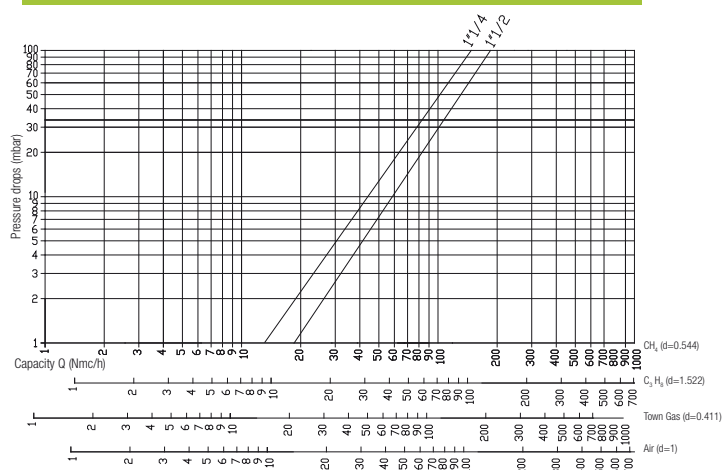
Color	Range mbar
White	5 - 14 mbar
Yellow	6 - 22 mbar
Neutral	10 - 27 mbar
Red	28 - 70 mbar
Black	60 - 130 mbar
Blue	120 - 300 mbar



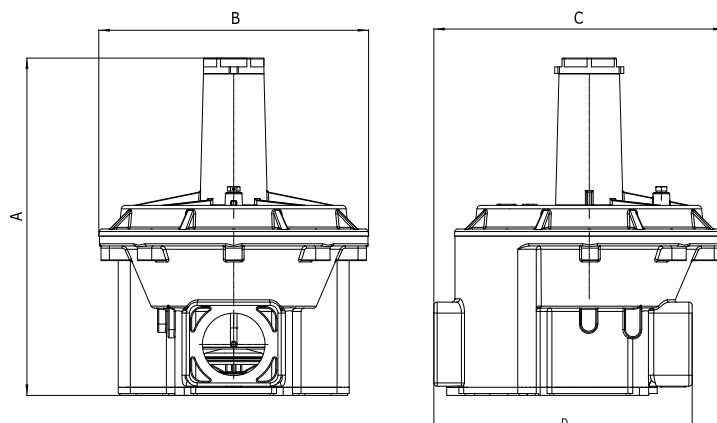
FLOW CHART – Gas Governor without filter



FLOW CHART – Gas Governor with filter



DIMENSIONS (mm) and WEIGHT (kgs)					
Dimension	A	B	C	D	Weight
1 1/4"	243.5	195.5	206	194	3,140
1 1/2"	243.5	195.5	206	194	3,060



GAS GOVERNOR 2"– Pmax 2 bar



Code	Description	Dimension	Pmax
RG050-2B	Gas Governor	2"	2 bar
RGD50-2B	Gas Governor	DN50	2 bar

RG050-FT-2B	Gas Governor with filter	2"	2 bar
RGD50-FT-2B	Gas Governor with filter	DN50	2 bar

If you want test point in and out pls add code TPI0 at the end of the code.

TECHNICAL FEATURES

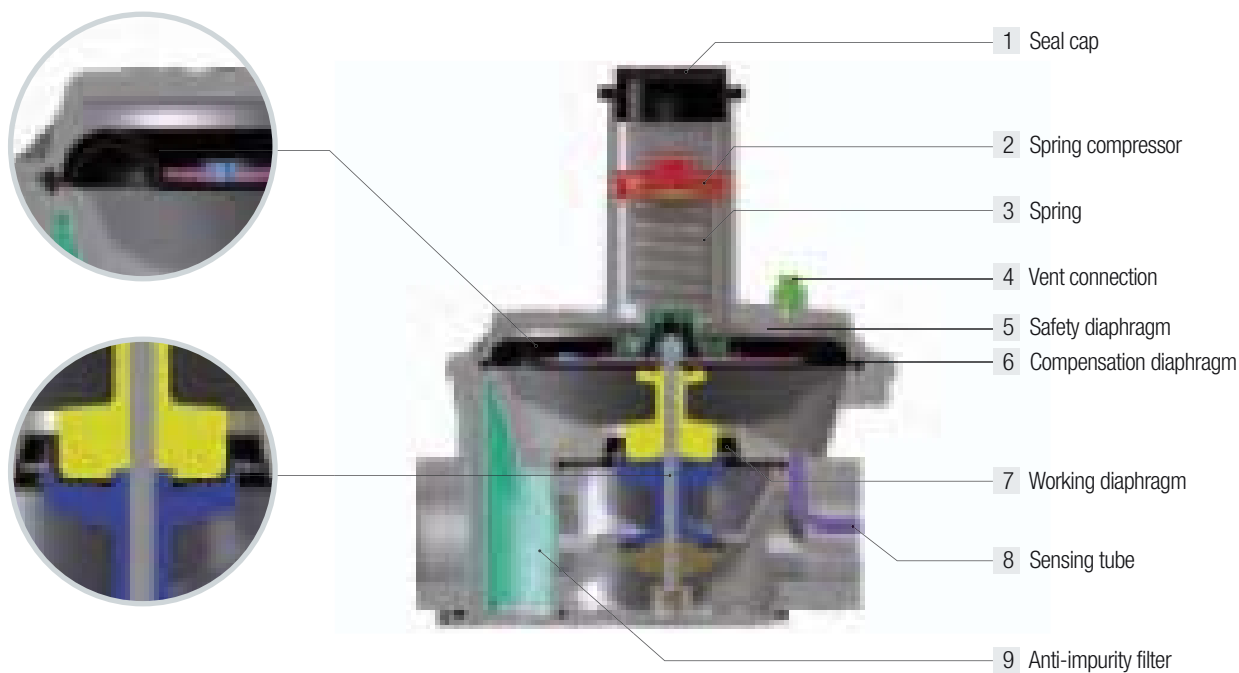
Pmax	inlet max – 2 bar
Setting outlet	10 – 300 mbar – Standard spring supplied 10 – 27 mbar – Other spring on request
Filtering	≤ 50µm – Viledon cartridge
Inlet - Outlet Connection	Thread gas 2" - ISO 228 DN50 - Sliding Aluminium flange PN10
Test point	Inlet / outlet on request – Test point 1/8" NPT
Working Temperature	- 20 °C – + 60 °C
Use	Not aggressive gases of three families – Natural Gas – LPG – Town Gas
Approval	UNI EN 88-2:2008

Materials:

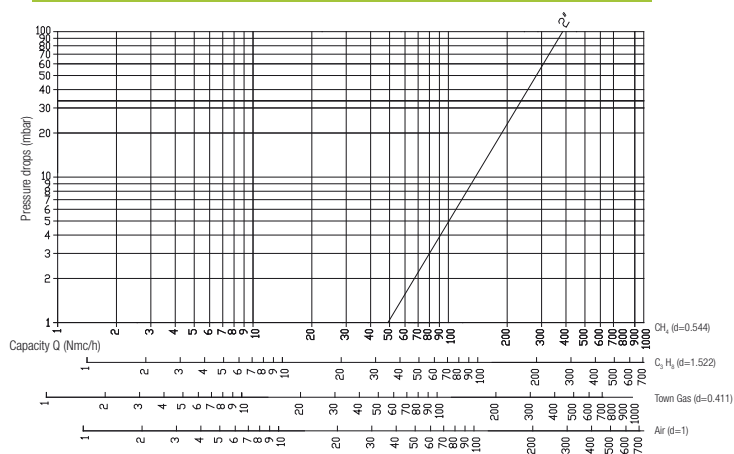
Complete Body	Die – Cast Aluminium Gd – AlSi12Cu - EN AB 46100
Diaphragms	NBR 60Sh – DvGW EN 549
Plastic components	White POM / Pa 66 + 25% Gf

Spring Range:

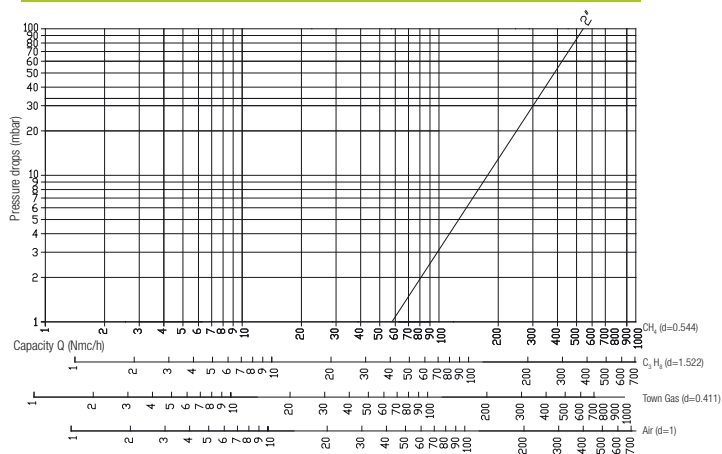
Color	Range mbar
White	5 - 14 mbar
Yellow	6 - 22 mbar
Neutral	10 - 27 mbar
Red	28 - 70 mbar
Black	60 - 130 mbar
Blue	120 - 300 mbar



FLOW CHART – Gas Governor without filter



FLOW CHART – Gas Governor with filter



DIMENSIONS (mm) and WEIGHT (kgs)

Dimension	A	B	C	D	Weight
2"	301	245	264	235	5,8

