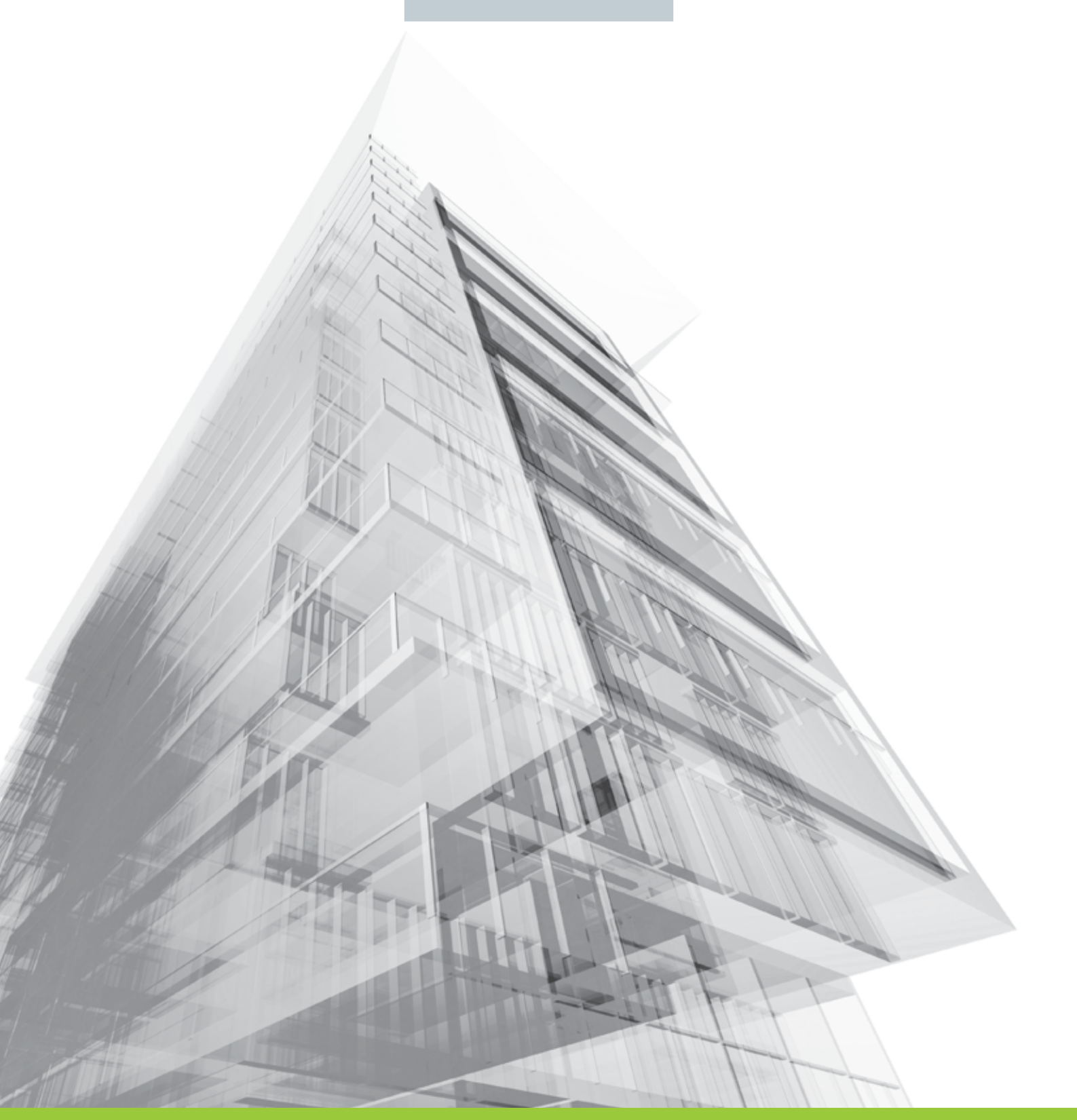
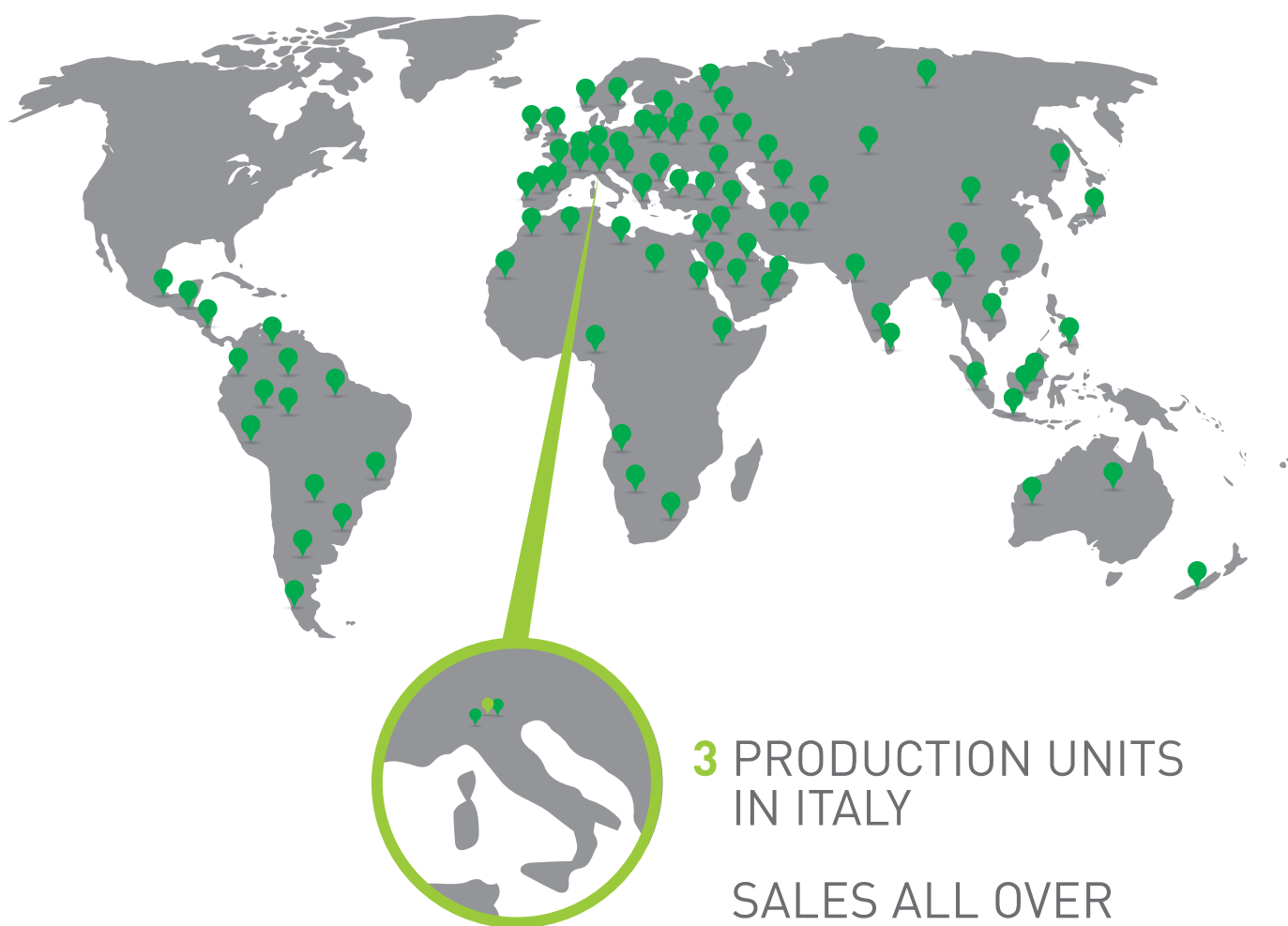




AUTOMATIC SOLENOID VALVES



WHERE **WE ARE**



3 PRODUCTION UNITS
IN ITALY

SALES ALL OVER
THE WORLD

EXPORTING
TO 91 COUNTRIES

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



geca

Tecno
Control

MADE IN ITALY



GAS GOVERNORS



GAS FILTERS

gas train

gas safety



RELIEF VALVES



GAS SOLENOID VALVES MANUAL RESET



AUTOMATIC GAS VALVES



AUTOMATIC GAS VALVES - BRASS BODY

equipment

at its best



PRESSURE GUAGES



BALL VALVES

Automatic gas valve - Brass Body

» Automatic gas solenoid valves are used for safety and control of gas for shut-off in gas feed pipes. Suitable for various gasses, including Natural gas, Propane and LPG Gas solenoid valve normally closed solenoid that open automatically when the coil is powered and close automatically when there is no tension.





Automatic gas valve - Brass Body

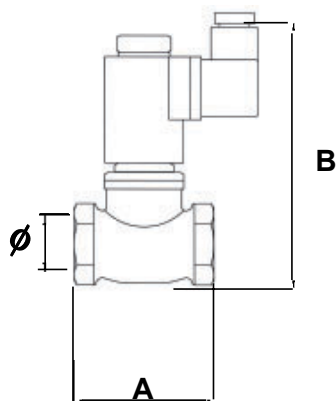
AUTOMATIC GAS SOLENOID VALVE $\frac{1}{2}$ ", $\frac{3}{4}$ "
BRASS BODY - PMAX 200 MBAR

p. 76



Type	Connections	Flow (m³/h)	Max pressure
AV015	1/2"	4,5	200 mbar
AV020	3/4"	6	200 mbar

DIMENSIONS (mm) and WEIGHT (kgs)			
Dimension	A	B	Ø
AV015	59	107	DN15 - ½"
AV020	59	107	DN20 - ¾"



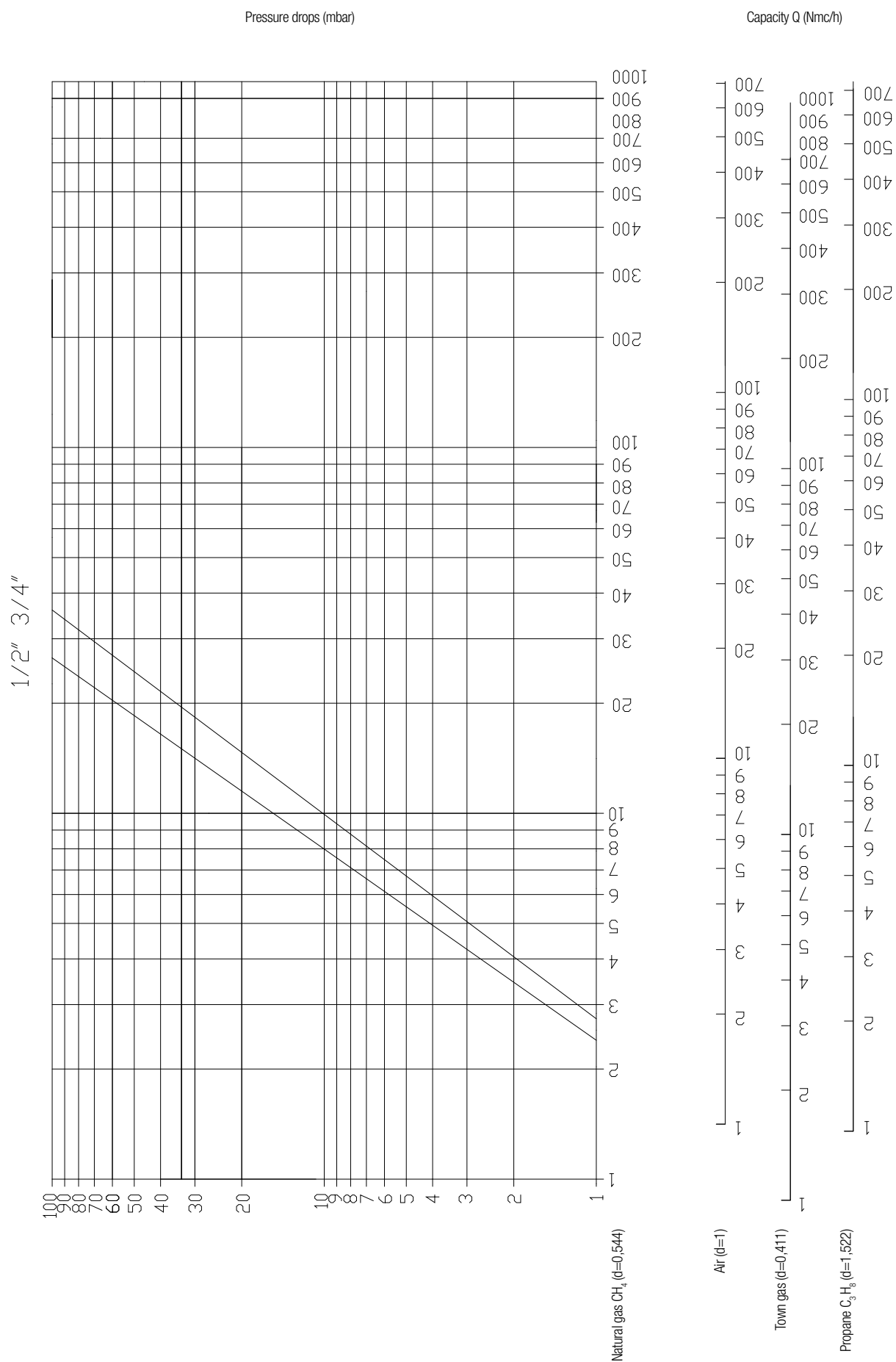
Dimension	1/2"	3/4"
WEIGHT (kgs)	0,8	0,8

TECHNICAL FEATURES

Pmax	200 mbar
Inlet connection - outlet	Thread gas ½" ¾" and 1" - ISO 228
Opening time	<1 second
Closing time	<1 second
Max number of operations	30 per minute
Supply voltage	230V (-15%+10%) 50-60Hz 110V (-15%+10%) 50-60Hz 24Vdc (-15%+10%) 50-60Hz
Power	15 VA Coils to class F copper wire class H
Use	Non – aggressive gases – Family 1 – 2 – 3 and air
Working Temperature	- 20 °C – 60 °C
Approval	EN161
Protection degree	IP65

Materials:

Complete Body Brass ST-CW617N – EN 12420 – Yellow Painted



Automatic Gas Valves -Pmax 360 mbar

» Automatic gas solenoid valves are used for safety and control of gas for shut-off in gas feed pipes. Suitable for various gasses, including Natural gas, Propane and LPG Gas solenoid valve normally closed solenoid that open automatically when the coil is powered and close automatically when there is no tension.



Automatic Gas Valves

AUTOMATIC GAS VALVES Fast Opening / Fast Closing
1/2", 3/4" and 1" – 360 mbar

p. 80

AUTOMATIC GAS VALVES Fast Opening / Fast Closing
1 1/4", 1 1/2" and 2" – 360 mbar

p. 82

AUTOMATIC GAS VALVES Fast Opening / Fast Closing
DN65, DN80, DN100 – 360 mbar

p. 84



AUTOMATIC GAS VALVES Fast Opening / Fast Closing 1/2", 3/4" and 1" – Pmax 360 mbar



Code	Description	Dimension	Pmax
AV015FO	Gas valve fast opening	1/2"	360 mbar
AV020FO	Gas valve fast opening	3/4"	360 mbar
AV025FO	Gas valve fast opening	1"	360 mbar
AVD25FO	Gas valve fast opening	DN25	360 mbar

AV015FO-FR	Gas valve fast opening Flow regulation	1/2"	360 mbar
AV020FO-FR	Gas valve fast opening Flow regulation	3/4"	360 mbar
AV025FO-FR	Gas valve fast opening Flow regulation	1"	360 mbar
AVD25FO-FR	Gas valve fast opening Flow regulation	DN25	360 mbar

CPI-1	Control position indicator
-------	----------------------------

TECHNICAL FEATURES

Pmax 360 mbar

Inlet connection - outlet Thread gas 1/2" 3/4" and 1" - ISO 228
DN25 - Sliding Aluminium flange PN10

Opening time <1 second
Closing time <1 second

Max number of operations 20 per minute

Incorporated AISI 303 steel mesh filter on request

Supply voltage 230V (-15%+10%) 50-60Hz
110V (-15%+10%) 50-60Hz
24Vdc (-15%+10%) 50-60Hz

Power 15 VA
Coils to class F copper wire class H

Use Non – aggressive gases – Family 1 – 2 – 3 and air

Test point 3 connections
Screw 1/4" NPT

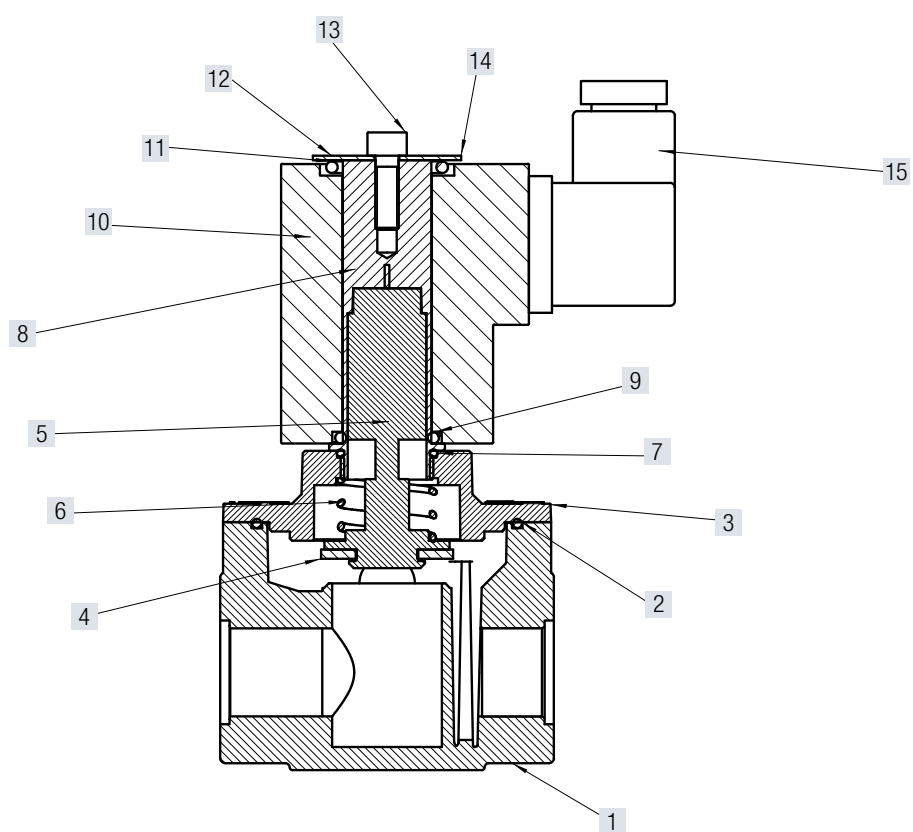
Working Temperature - 20 °C – 60 °C

Approval EN161

Protection degree IP65

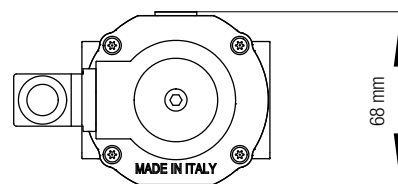
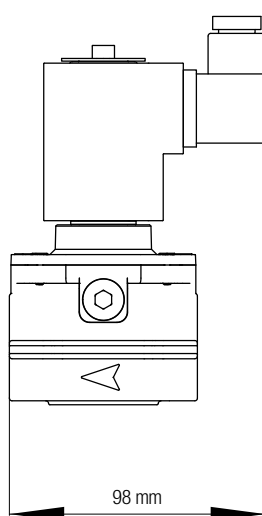
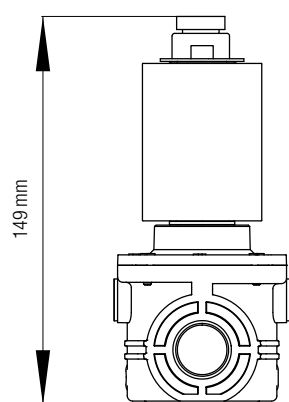
Materials:

Complete Body Die – Cast Aluminium Gd – AISI12Cu - EN AB 46100



1	Body
2	O-Ring
3	Cover
4	Gasket
5	Plunger
6	Spring
7	O-Ring
8	Pilot

9	O-Ring
10	Coil
11	O-Ring
12	Washer
13	Screw
14	Washer
15	Connector



Dimension	1/2"	3/4"	1"
WEIGHT (kgs)	0,8	0,8	0,8

AUTOMATIC GAS VALVES Fast Opening / Fast Closing 1 ¼", 1 ½" and 2" – Pmax 360 mbar



Code	Description	Dimension	Pmax
AV032FO	Gas valve fast opening	1 ¼"	360 mbar
AV040FO	Gas valve fast opening	1 ½"	360 mbar
AV050FO	Gas valve fast opening	2"	360 mbar
AVD32FO	Gas valve fast opening	DN32	360 mbar
AVD40FO	Gas valve fast opening	DN40	360 mbar
AVD50FO	Gas valve fast opening	DN50	360 mbar

AV032FO-FR	Gas valve fast opening Flow regulation	1 ¼"	360 mbar
AV040FO-FR	Gas valve fast opening Flow regulation	1 ½"	360 mbar
AV050FO-FR	Gas valve fast opening Flow regulation	2"	360 mbar
AVD32FO-FR	Gas valve fast opening Flow regulation	DN32	360 mbar
AVD40FO-FR	Gas valve fast opening Flow regulation	DN40	360 mbar
AVD50FO-FR	Gas valve fast opening Flow regulation	DN50	360 mbar

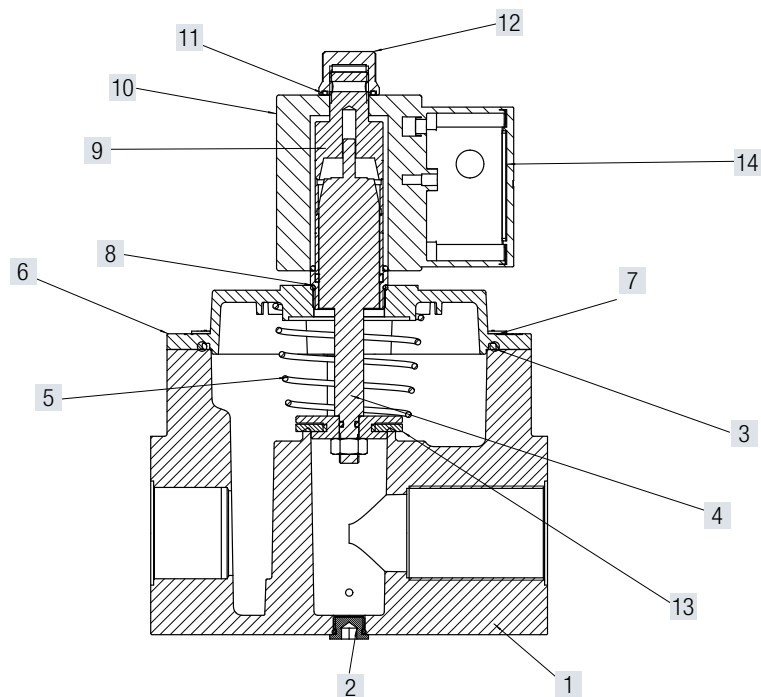
CPI-2	Control position indicator
-------	----------------------------

TECHNICAL FEATURES

Pmax	360 mbar
Inlet connection -outlet	Thread gas 1 ¼", 1 ½" and 2" - ISO 228 DN32 DN40 DN50 - Sliding Aluminium flange PN10
Opening time Closing time	<1 second <1 second
Max number of operations	20 per minute
Incorporated AISI 303 steel mesh filter on request	
Supply voltage	230V (-15%+10%) 50-60Hz 110V (-15%+10%) 50-60Hz 24Vdc (-15%+10%) 50-60Hz
Power	230Vac1 1/4"-1 1/2"-PeakPower40W- Maintain power4W 2"-Peakpower130W- Maintain power 1,5W Coils to class F copper wire class H
Use	Non – aggressive gases – Family 1 – 2 – 3 and air
Test point	5 connections Screw ¼" NPT
Working Temperature	- 20 °C – 60 °C
Approval	EN161
Protection degree	IP65

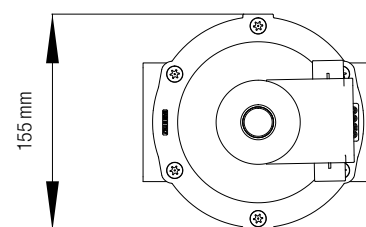
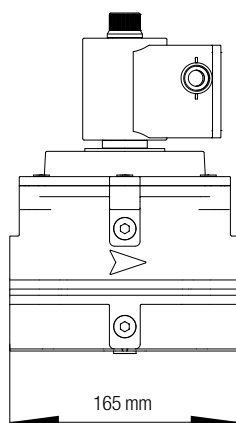
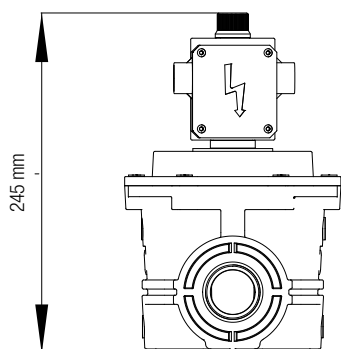
Materials:

Complete Body	Die – Cast Aluminium Gd – AlSi12Cu - EN AB 46100
----------------------	--



1	Body
2	Screw Plugs
3	O-Ring
4	Plunger
5	Spring
6	Cover
7	Screw

8	O-Ring
9	Pilot
10	Coil
11	O-Ring
12	Locking Ring
13	Gasket
14	Connector



Dimension	1 ¼"	1 ½"	2 "
WEIGHT (kgs)	4,2	4,2	4,6

AUTOMATIC GAS VALVES Fast Opening / Fast Closing - Coil encapsulated with fibre-glass reinforced polyamide 1 ¼", 1 ½" – Pmax 360 mbar



Code	Description	Dimension	Pmax
AV032FO-EC	Gas valve fast opening	1 ¼"	360 mbar
AV040FO-EC	Gas valve fast opening	1 ½"	360 mbar
AVD32FO-EC	Gas valve fast opening	DN32	360 mbar
AVD40FO-EC	Gas valve fast opening	DN40	360 mbar

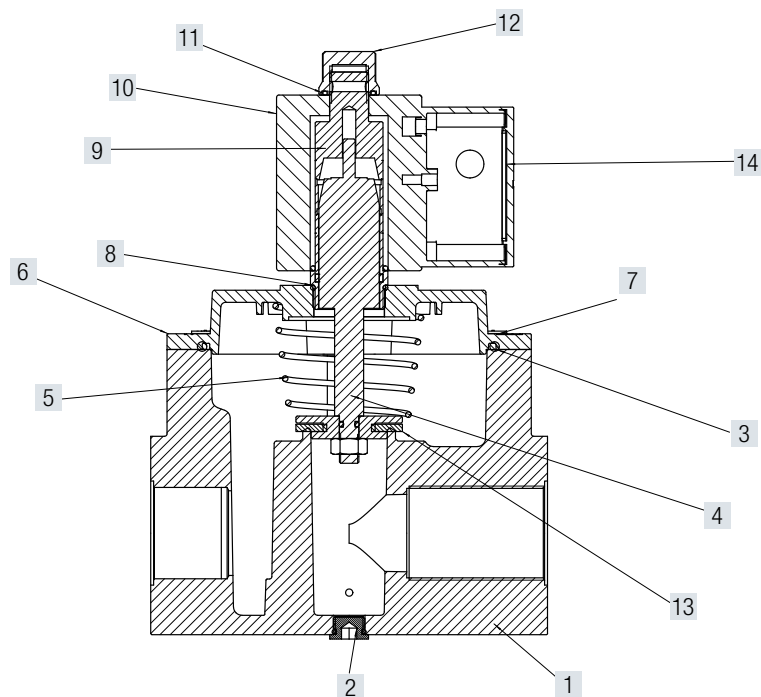
CPI-2	Control position indicator
--------------	----------------------------

TECHNICAL FEATURES

Pmax	360 mbar
Inlet connection -outlet	Thread gas 1 ¼", 1 ½" - ISO 228 DN32 DN40 - Sliding Aluminium flange PN10
Opening time	<1 second
Closing time	<1 second
Max number of operations	20 per minute
Incorporated AISI 303 steel mesh filter on request	
Supply voltage	230V (-15%+10%) 50-60Hz
Power	37W Coils to class F copper wire class H
Use	Non – aggressive gases – Family 1 – 2 – 3 and air
Test point	5 connections Screw ¼" NPT
Working Temperature	- 20 °C – 60 °C
Approval	EN161
Protection degree	IP65

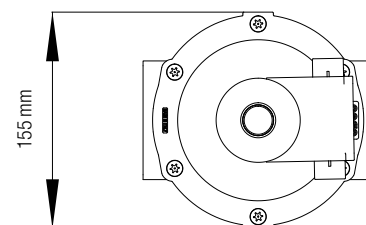
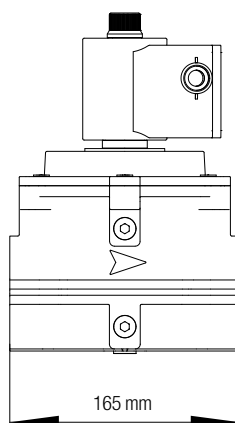
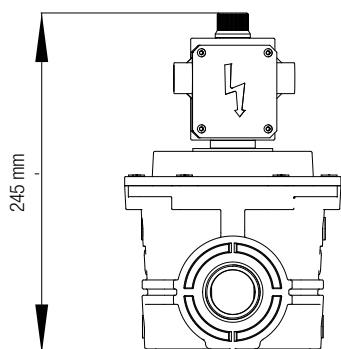
Materials:

Complete Body	Die – Cast Aluminium Gd – AISi12Cu - EN AB 46100
----------------------	--



1	Body
2	Screw Plugs
3	O-Ring
4	Plunger
5	Spring
6	Cover
7	Screw

8	O-Ring
9	Pilot
10	Coil
11	O-Ring
12	Locking Ring
13	Gasket
14	Connector



Dimension	1 ¼"	1 ½"
WEIGHT (kgs)	4,0	4,0

AUTOMATIC GAS VALVES Fast Opening / Fast Closing DN65, DN80, DN100 – Pmax 360 mbar



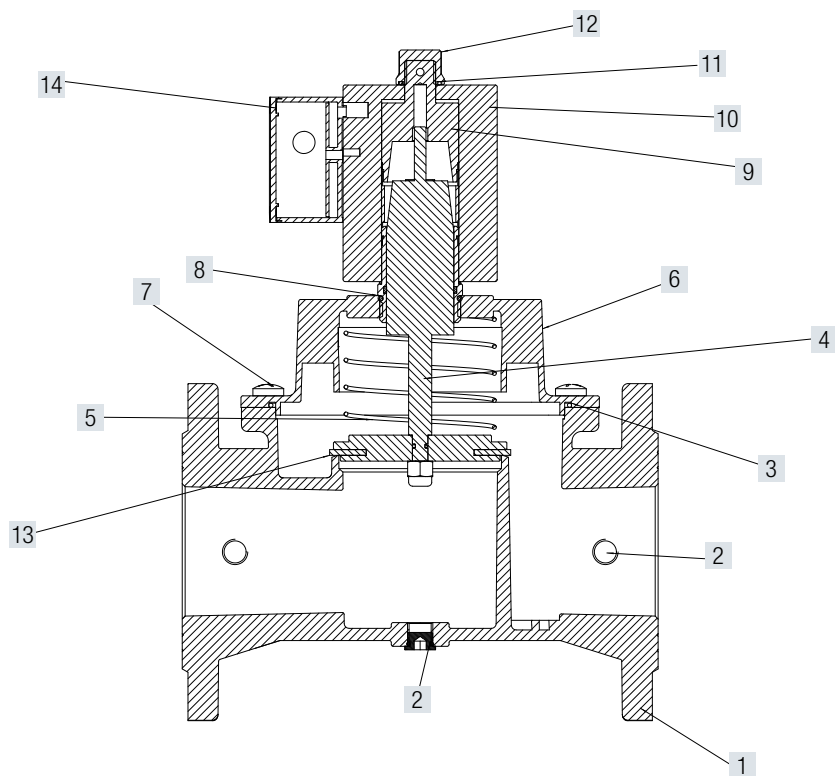
Code	Description	Dimension	Pmax
AVD65FO	Gas valve fast opening	DN65	360 mbar
AVD80FO	Gas valve fast opening	DN80	360 mbar
AVD100FO	Gas valve fast opening	DN100	360 mbar
AVD65FO-FR	Gas valve fast opening Flow regulation	DN65	360 mbar
AVD80FO-FR	Gas valve fast opening Flow regulation	DN80	360 mbar
AVD100FO-FR	Gas valve fast opening Flow regulation	DN100	360 mbar
CPI-3	Control position indicator DN65-DN80		
CPI-4	Control position indicator DN100		

TECHNICAL FEATURES

Pmax	360 mbar
Inlet connection	Flanged – DN65 – DN80 – DN100 – PN16
Outlet	Flanged – DN65 – DN80 – DN100 – PN16
Opening time	<1 second
Closing time	<1 second
Max number of operations	15 per minute
Incorporated AISI 303 steel mesh filter	
Supply voltage	230V (-15%+10%) 50-60Hz. 110V (-15%+10%) 50-60Hz. 24Vdc (-15%+10%) 50-60Hz
Power	230Vac DN65 - DN80 - DN100 Peak power 400W - Maintain power 4W Coils to class F copper wire class H
Use	Non – aggressive gases – Family 1 – 2 – 3 and air
Test point	5 connections Screw 1/4" NPT
Working Temperature	- 20 °C – 60 °C
Approval	EN161
Protection degree	IP65

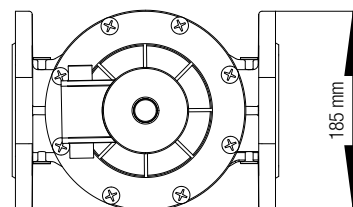
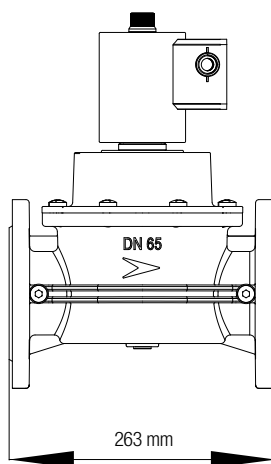
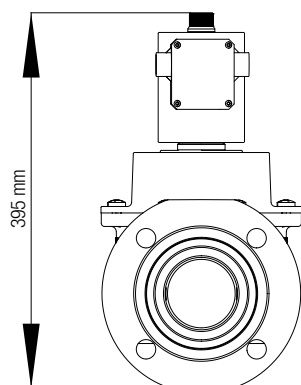
Materials:

Complete Body	Aluminium EN AC 43100
----------------------	-----------------------



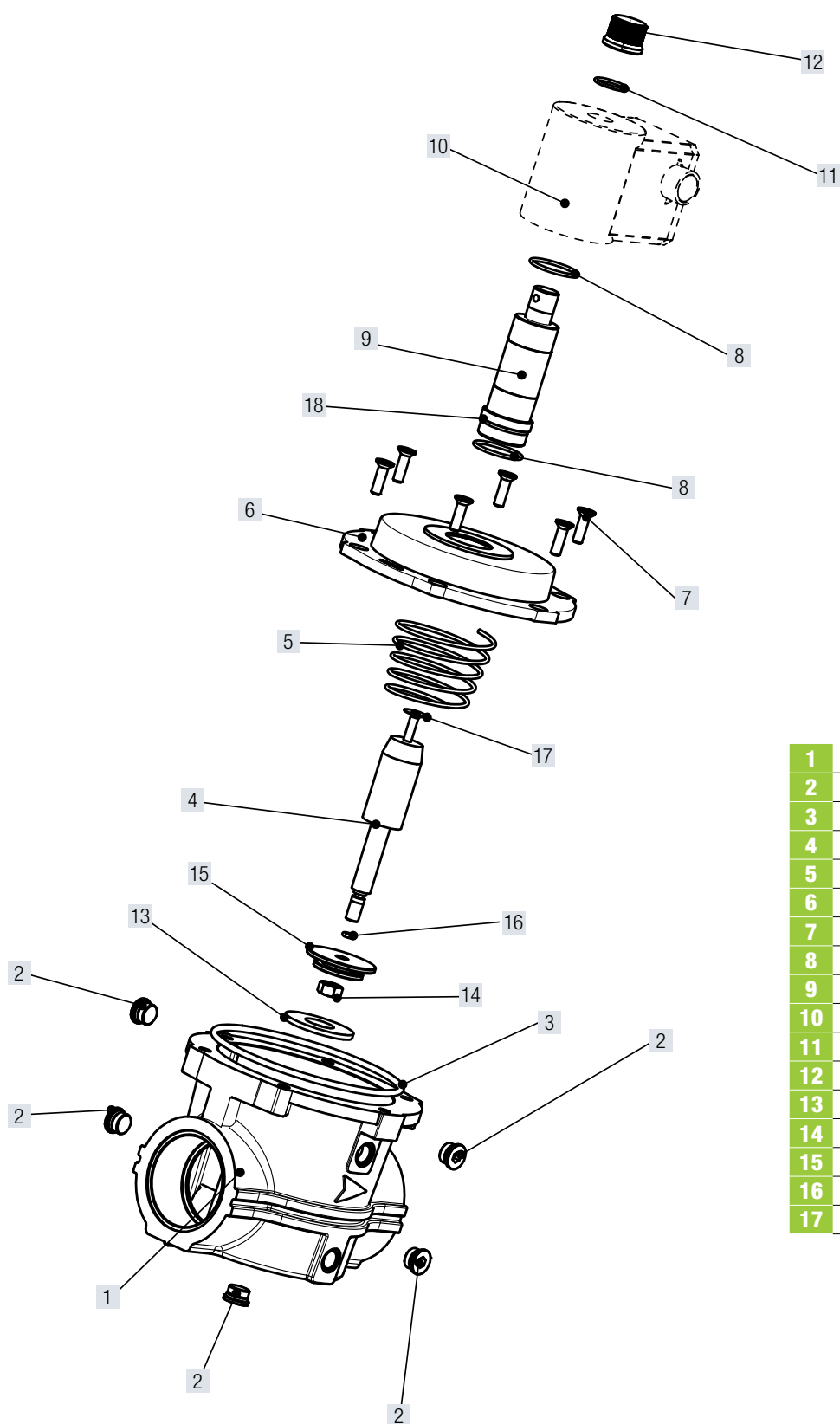
1	Body
2	Screw Plugs
3	O-Ring
4	Plunger
5	Spring
6	Cover
7	Screw

8	O-Ring
9	Pilo
10	Coil
11	O-Ring
12	Locking Ring
13	Gasket
14	Connector



Dimension	DN65	DN80	DN100
WEIGHT (kgs)	9,6	9,6	15,8

ASSEMBLY OVERVIEW



1	Body
2	Screw Plugs
3	O-Ring
4	Plunger
5	Spring
6	Cover
7	Screw
8	O-Ring
9	Pilot
10	Coil
11	O-Ring
12	Locking Ring
13	Gasket
14	Locking
15	Insert
16	O-Ring
17	Washer

SPARE PARTS – ACCESSORIES

COIL

Code	Description	Model
20502719	Coil 230 Vac	½" - 3/4" – 1"
80501589	Coil 230 Vac	1 ¼" – 1 ½"
80501590	Coil 230 Vac	2"
80501591	Coil 230 Vac	DN65 – DN80
80501592	Coil 230 Vac	DN100

ELECTRONIC BOARD

Code	Description	Model
21802429	Electronic board 230 Vac	½" - 3/4" – 1"
81801620	Electronic board - 230 Vac	1 ¼" – 1 ½"
81801621	Electronic board - 230 Vac	2"
81801622	Electronic board - 230 Vac	DN65 – DN80
81801623	Electronic board - 230 Vac	DN100

COIL – ELECTRONIC BOARD – PLASTIC COVER

Code	Description	Model
80521593	Coil – Electronic board – Plastic cover	1 ¼" – 1 ½"
80521594	Coil – Electronic board – Plastic cover	2"
80521595	Coil – Electronic board – Plastic cover	DN65 – DN80
80521596	Coil – Electronic board – Plastic cover	DN100

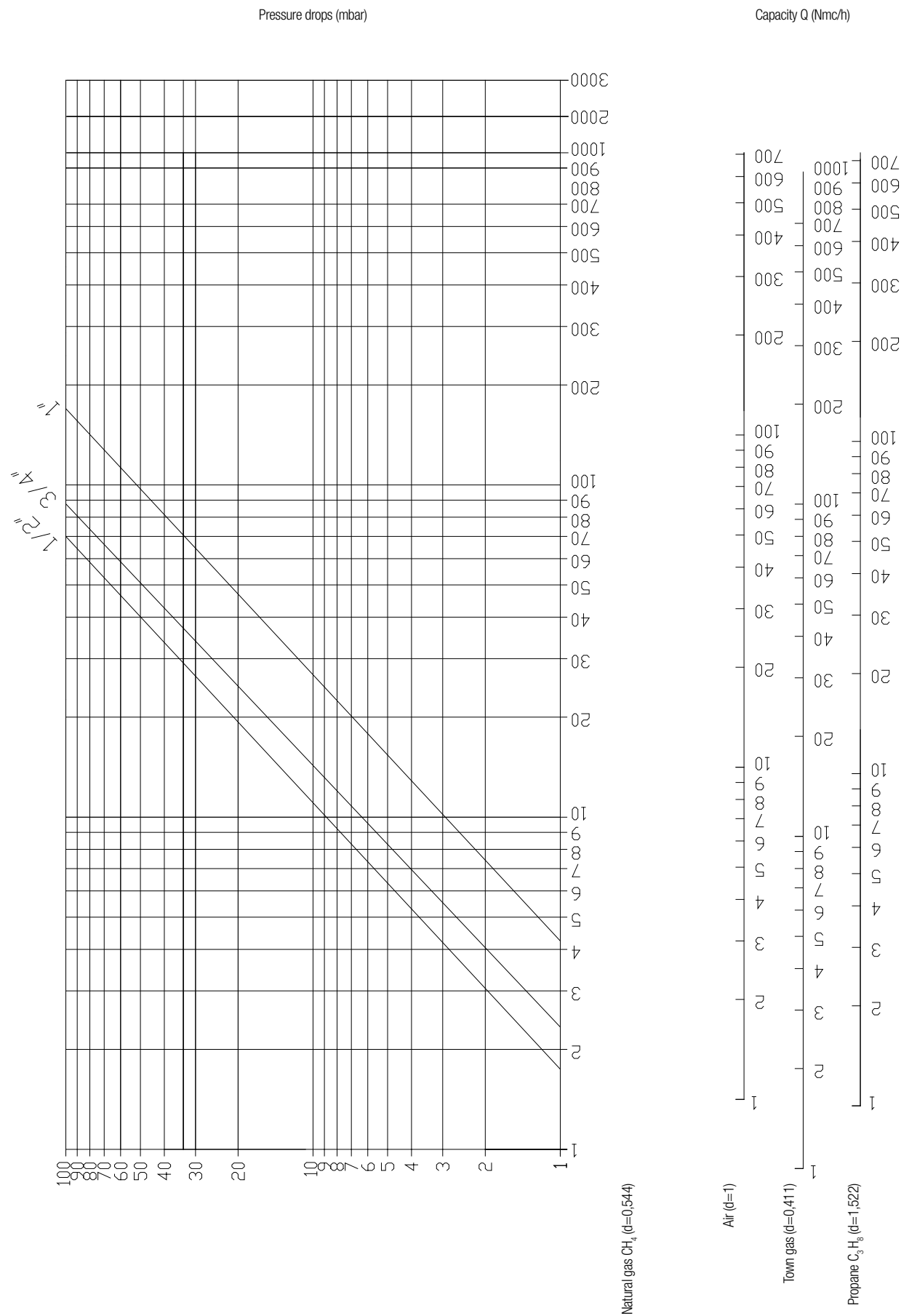
CPI CONTROL POSITION INDICATOR



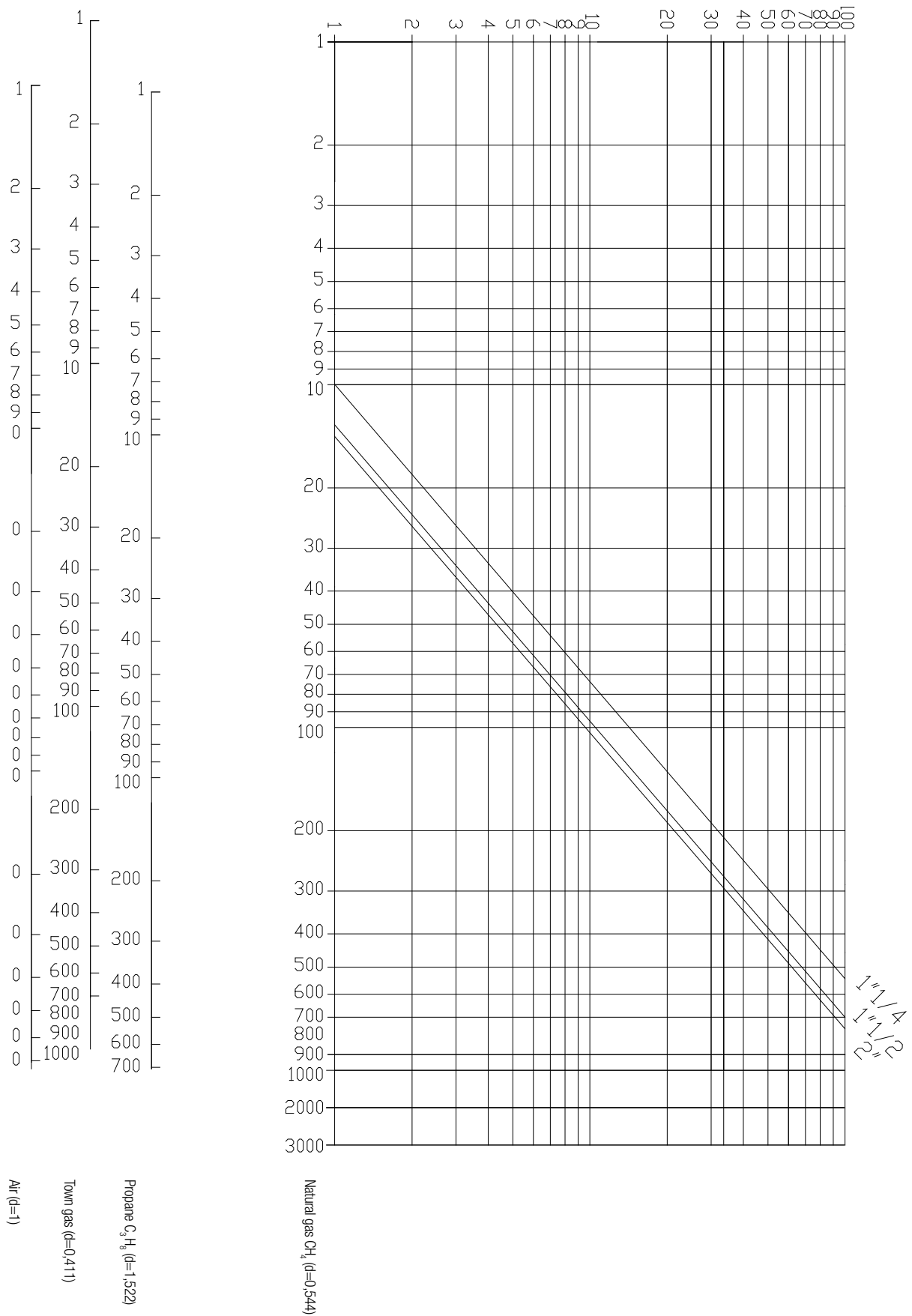
Code	Description	Model
CP1 – 1	Control position indicator	½", ¾", 1"
CP1 – 2	Control position indicator	1 ¼", 1 ½", 2"
CP1 – 3	Control position indicator	DN65 – DN80
CP1 – 4	Control position indicator	DN100

- ② Dimension: 015=1/2" 020=3/4" 025= 1" 032= 1 1/4" 040= 1 1/2" 050= 2" D65=DN65 D80=DN80 D100=DN100
- ④ mod: __=without Flow Regulation -FR=with Flow Regulation
- ⑥ Power supply: __ = 230Vac -110Vac -12Vac -12Vdc -24Vac -24Vdc

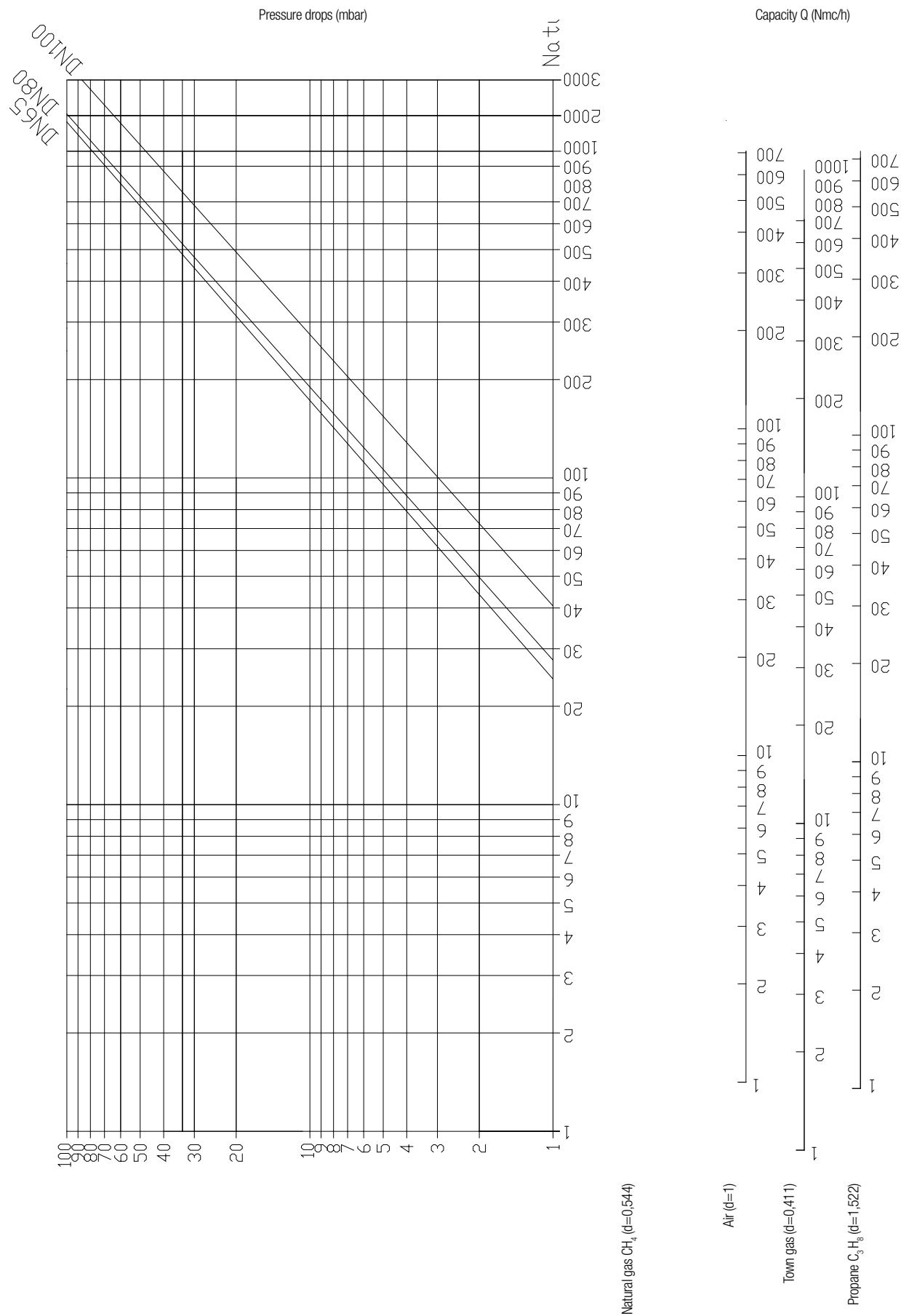
AUTOMATIC VALVE 1/2", 3/4", 1"



AUTOMATIC VALVE 1 ¼", 1 ½", 2"

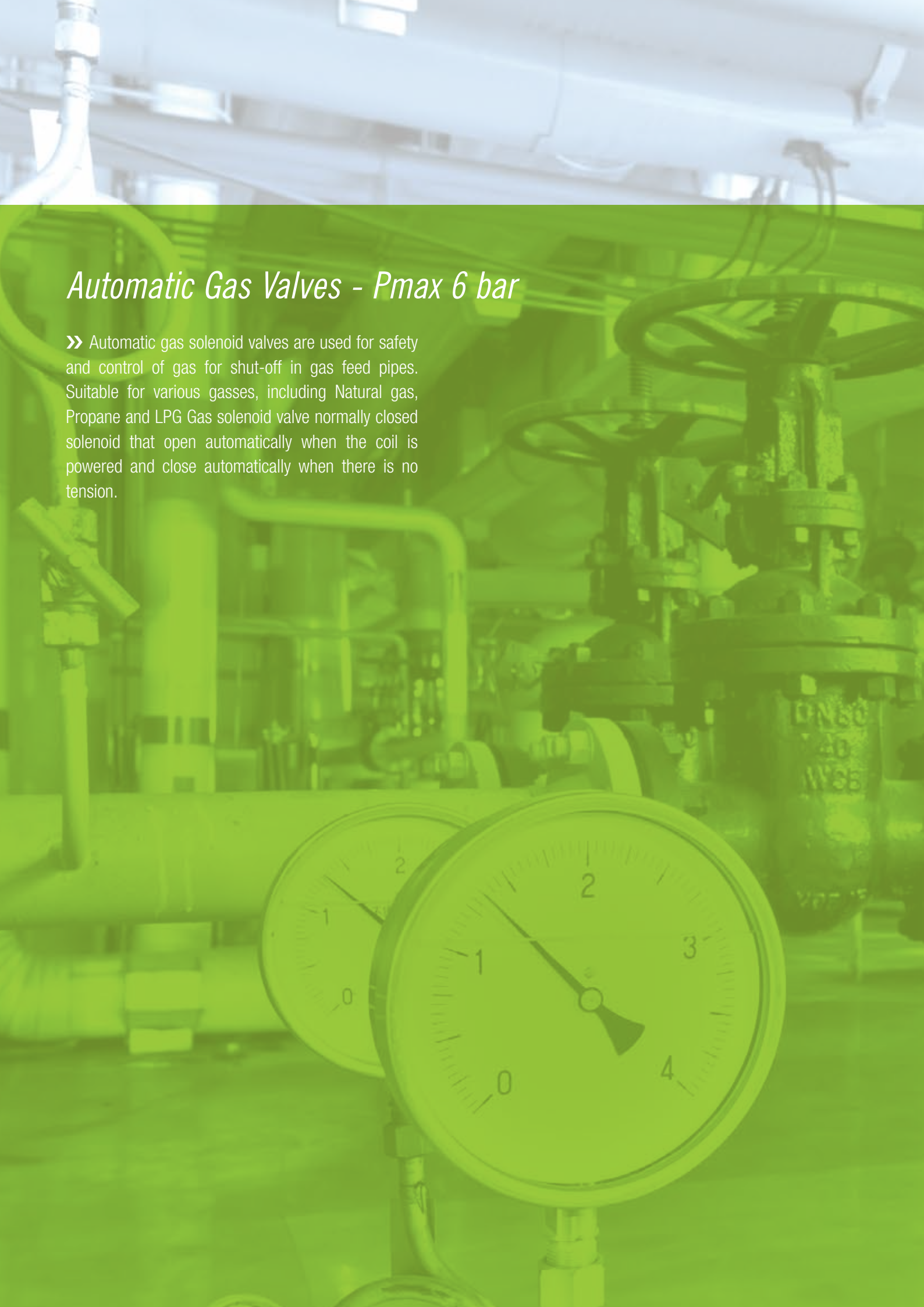


AUTOMATIC VALVE DN65, DN80, DN100



Automatic Gas Valves - Pmax 6 bar

» Automatic gas solenoid valves are used for safety and control of gas for shut-off in gas feed pipes. Suitable for various gasses, including Natural gas, Propane and LPG Gas solenoid valve normally closed solenoid that open automatically when the coil is powered and close automatically when there is no tension.



Automatic Gas Valves

AUTOMATIC GAS VALVES Fast Opening / Fast Closing
1/2", 3/4" and 1" – 6 bar

p. 96

AUTOMATIC GAS VALVES Fast Opening / Fast Closing
1 1/4", 1 1/2" and 2" – 6 bar

p. 98



AUTOMATIC GAS VALVES Fast Opening / Fast Closing 1/2", 3/4" and 1" – Pmax 6 bar



Code	Description	Dimension	Pmax
AV015F0-6B	Gas valve fast opening	1/2"	6 bar
AV020F0-6B	Gas valve fast opening	3/4"	6 bar
AV025F0-6B	Gas valve fast opening	1"	6 bar
AVD025F0-6B	Gas valve fast opening	DN25	6 bar

AV015F0-FR-6B	Gas valve fast opening Flow regulation	1/2"	6 bar
AV020F0-FR-6B	Gas valve fast opening Flow regulation	3/4"	6 bar
AV025F0-FR-6B	Gas valve fast opening Flow regulation	1"	6 bar
AVD025F0-FR-6B	Gas valve fast opening Flow regulation	DN25	6 bar

CPI-1-6B	Control position indicator
-----------------	----------------------------

TECHNICAL FEATURES

Pmax 6 bar

Inlet connection - outlet Thread gas 1/2" 3/4" and 1" - ISO 228
DN25 - Sliding Aluminium flange PN10

Opening time <1 second
Closing time <1 second

Max number of operations 20 per minute

Incorporated AISI 303 steel mesh filter on request

Supply voltage 230V (-15%+10%) 50-60Hz
110V (-15%+10%) 50-60Hz
24Vdc (-15%+10%) 50-60Hz

Power 15 VA
Coils to class F copper wire class H

Use Non – aggressive gases – Family 1 – 2 – 3 and air

Test point 3 connections
Screw 1/4" NPT

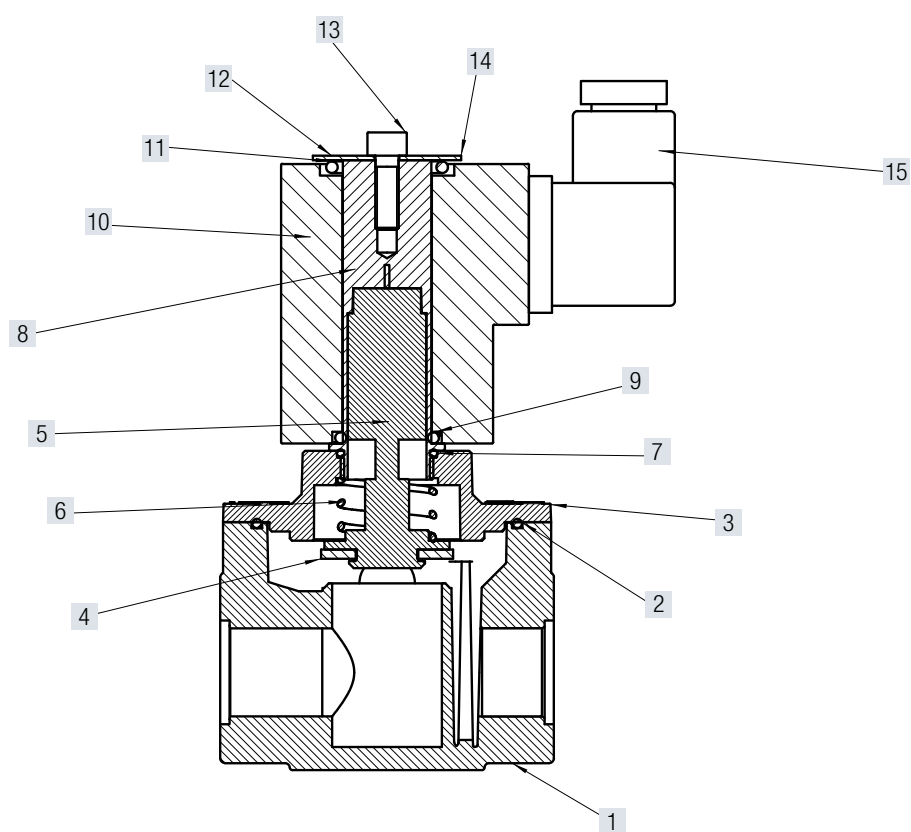
Working Temperature - 20 °C – 60 °C

Approval EN161

Protection degree IP65

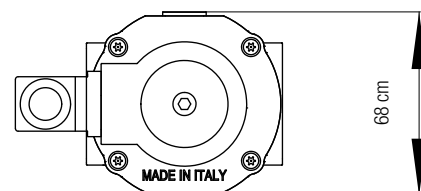
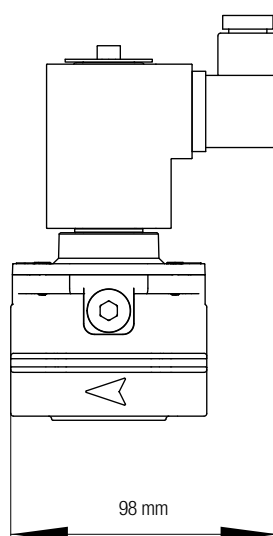
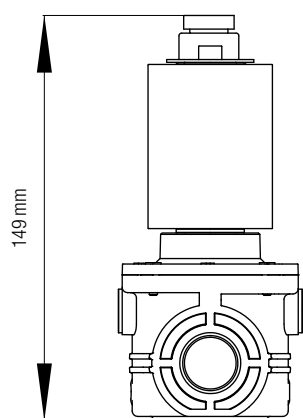
Materials:

Complete Body Die – Cast Aluminium Gd – AISI12Cu - EN AB 46100



1	Body
2	O-Ring
3	Cover
4	Gasket
5	Plunger
6	Spring
7	O-Ring
8	Pilot

9	O-Ring
10	Coil
11	O-Ring
12	Washer
13	Screw M5
14	Washer
15	Connector



Dimension	1/2"	3/4"	1"
WEIGHT (kgs)	0,8	0,8	0,8

AUTOMATIC GAS VALVES Fast Opening / Fast Closing 1 ¼", 1 ½" and 2" – Pmax 6 bar



Code	Description	Dimension	Pmax
AV032F0-6B	Gas valve fast opening	1 ¼"	6 bar
AV040F0-6B	Gas valve fast opening	1 ½"	6 bar
AV050F0-6B	Gas valve fast opening	2"	6 bar
AVD32F0-6B	Gas valve fast opening	DN32	6 bar
AVD40F0-6B	Gas valve fast opening	DN40	6 bar
AVD50F0-6B	Gas valve fast opening	DN50	6 bar

AV032F0-FR-6B	Gas valve fast opening Flow regulation	1 ¼"	6 bar
AV040F0-FR-6B	Gas valve fast opening Flow regulation	1 ½"	6 bar
AV050F0-FR-6B	Gas valve fast opening Flow regulation	2"	6 bar
AVD32F0-FR-6B	Gas valve fast opening Flow regulation	DN32	6 bar
AVD40F0-FR-6B	Gas valve fast opening Flow regulation	DN40	6 bar
AVD50F0-FR-6B	Gas valve fast opening Flow regulation	DN50	6 bar

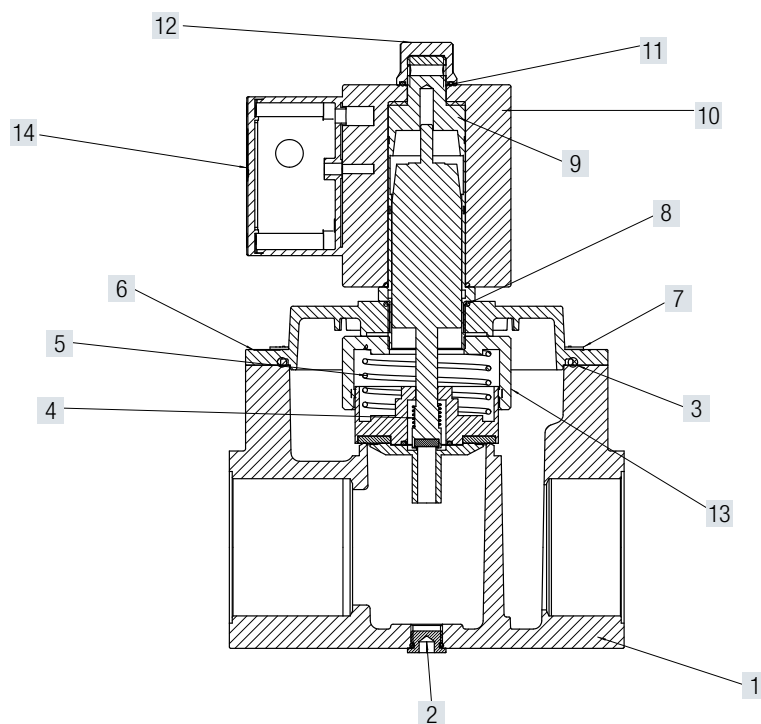
CPI-2-6B	Control position indicator
-----------------	----------------------------

TECHNICAL FEATURES

Pmax	6 bar
Inlet connection - outlet	Thread gas 1 ¼", 1 ½" and 2" - ISO 228 DN32 DN40 DN50 - Sliding Aluminium flange PN10
Opening time	<1 second
Closing time	<1 second
Max number of operations	20 per minute
Incorporated AISI 303 steel mesh filter on request	
Supply voltage	230V (-15%+10%) 50-60Hz 110V (-15%+10%) 50-60Hz 24Vdc (-15%+10%) 50-60Hz
Power	230Vac1 1/4"-11/2"-PeakPower 40W-Maintain power 4W 2"-Peakpower 130W- Maintain power 1,5W Coils to class F copper wire class H
Use	Non – aggressive gases – Family 1 – 2 – 3 and air
Test point	5 connections Screw ¼" NPT
Working Temperature	- 20 °C – 60 °C
Approval	EN161
Protection degree	IP65

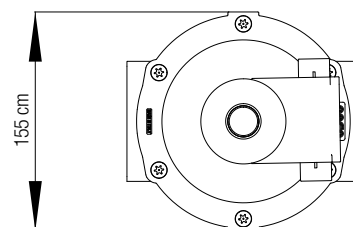
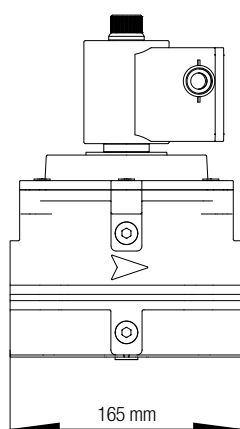
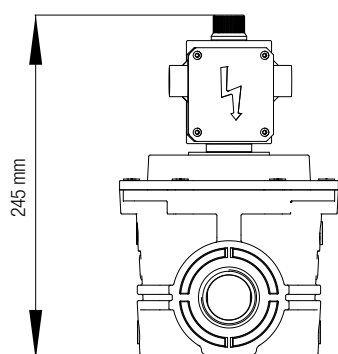
Materials:

Complete Body	Die – Cast Aluminium Gd – AISi12Cu - EN AB 46100
----------------------	--



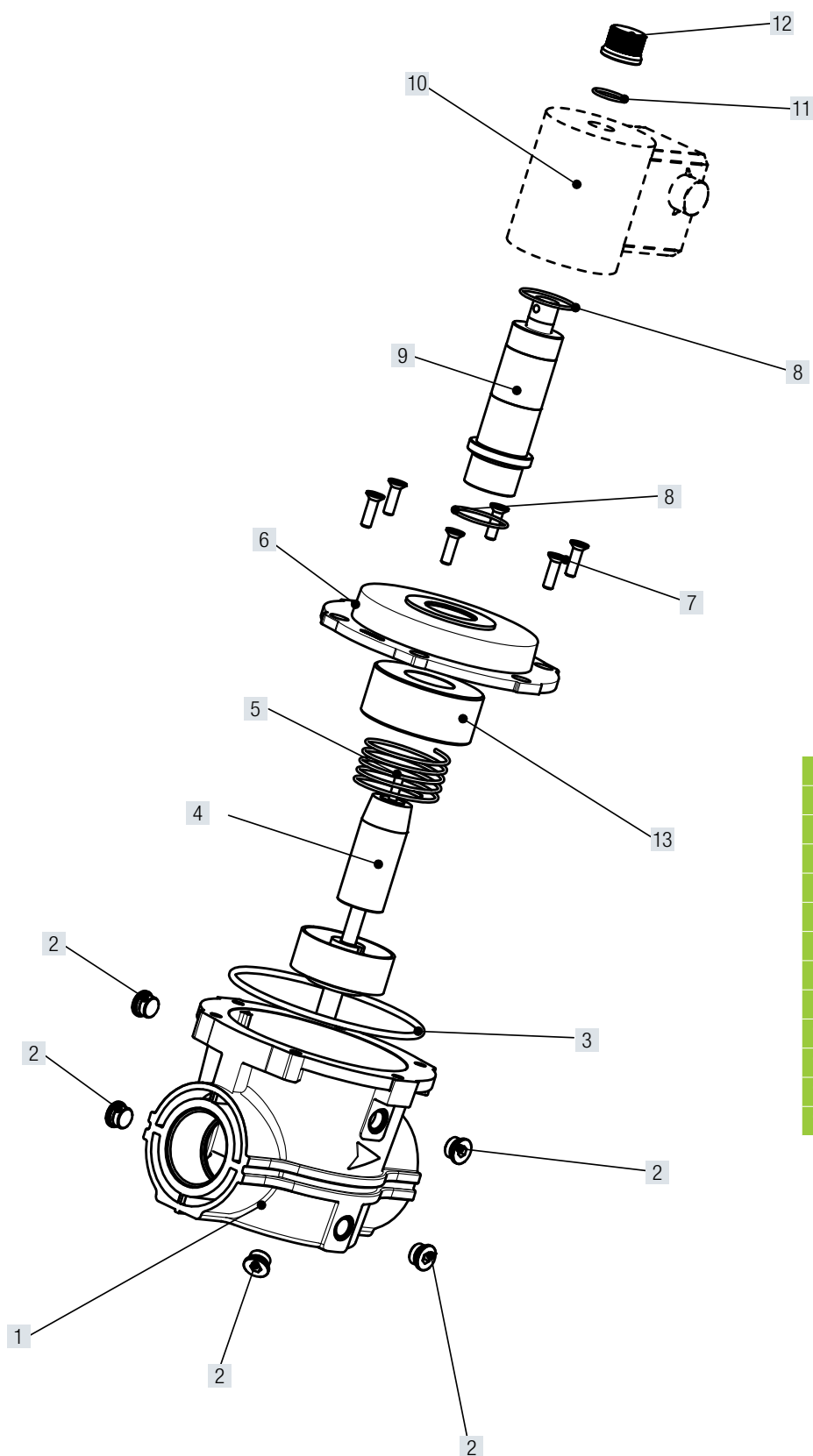
1	Body
2	Screw Plugs
3	O-Ring
4	Plunger
5	Spring
6	Cover
7	Screw

8	O-Ring
9	Pilot
10	Coil
11	O-Ring
12	Locking Ring
13	Fitting Guide
14	Connector



Dimension	1 ¼"	1 ½"	2"
WEIGHT (kgs)	4,2	4,2	4,6

ASSEMBLY OVERVIEW



1	Body
2	Screw Plugs
3	O-Ring
4	Plunger
5	Spring
6	Cover
7	Screw
8	O-Ring
9	Pilot
10	Coil
11	O-Ring
12	Locking Ring
13	Fitting Guide

SPARE PARTS – ACCESSORIES

COIL

Code	Description	Model
20502719	Coil 230 Vac	½" - 3/4" – 1"
80501589	Coil 230 Vac	1 ¼" – 1 ½"
80501590	Coil 230 Vac	2"

ELECTRONIC BOARD

Code	Description	Model
21802429	Electronic board 230 Vac	½" - 3/4" – 1"
81801620	Electronic board - 230 Vac	1 ¼" – 1 ½"
81801621	Electronic board - 230 Vac	2"

COIL – ELECTRONIC BOARD

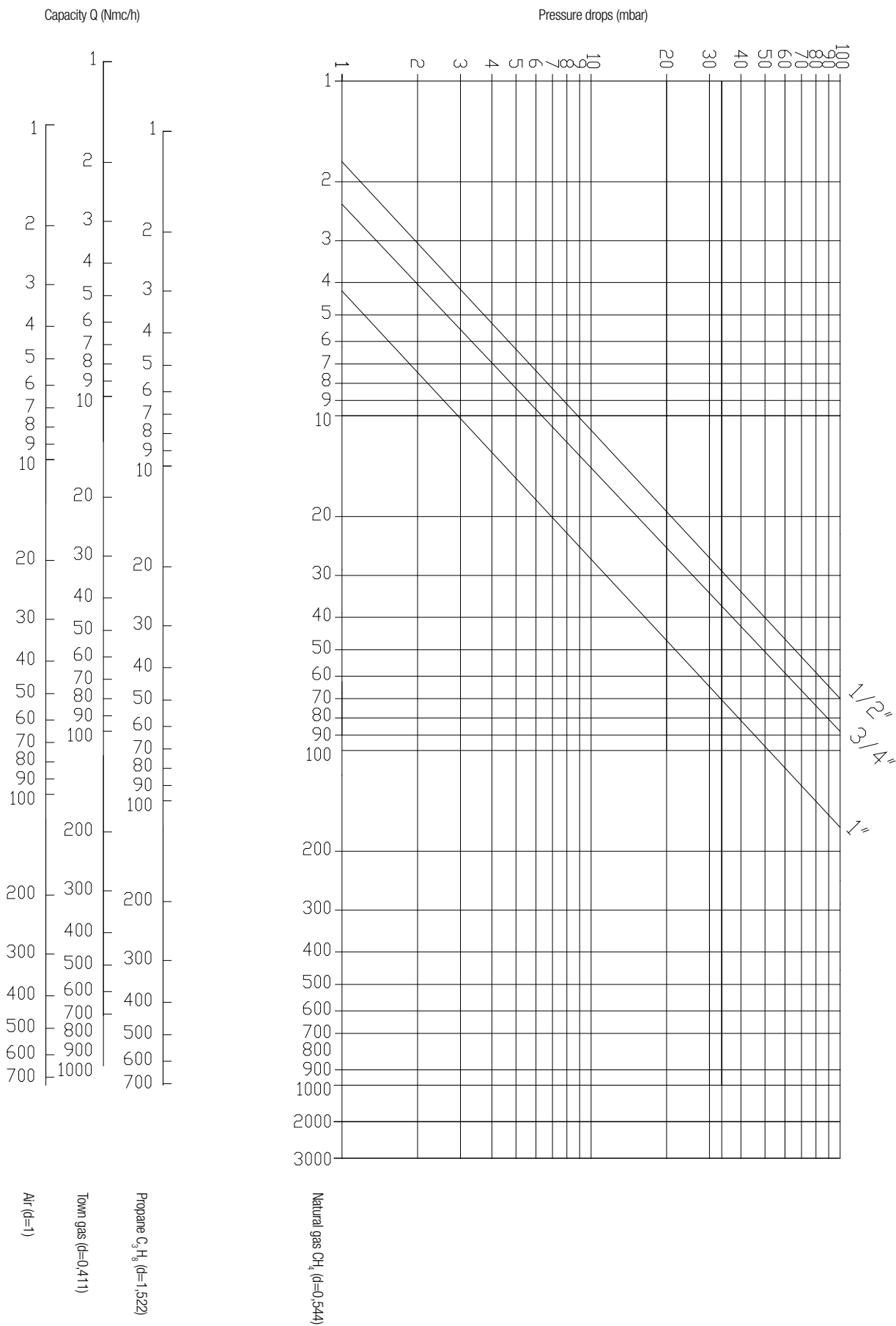
Code	Description	Model
80521593	Coil – Electronic board – Plastic cover	1 ¼" – 1 ½"
80521594	Coil – Electronic board – Plastic cover	2"

CPI - CONTROL POSITION INDICATOR

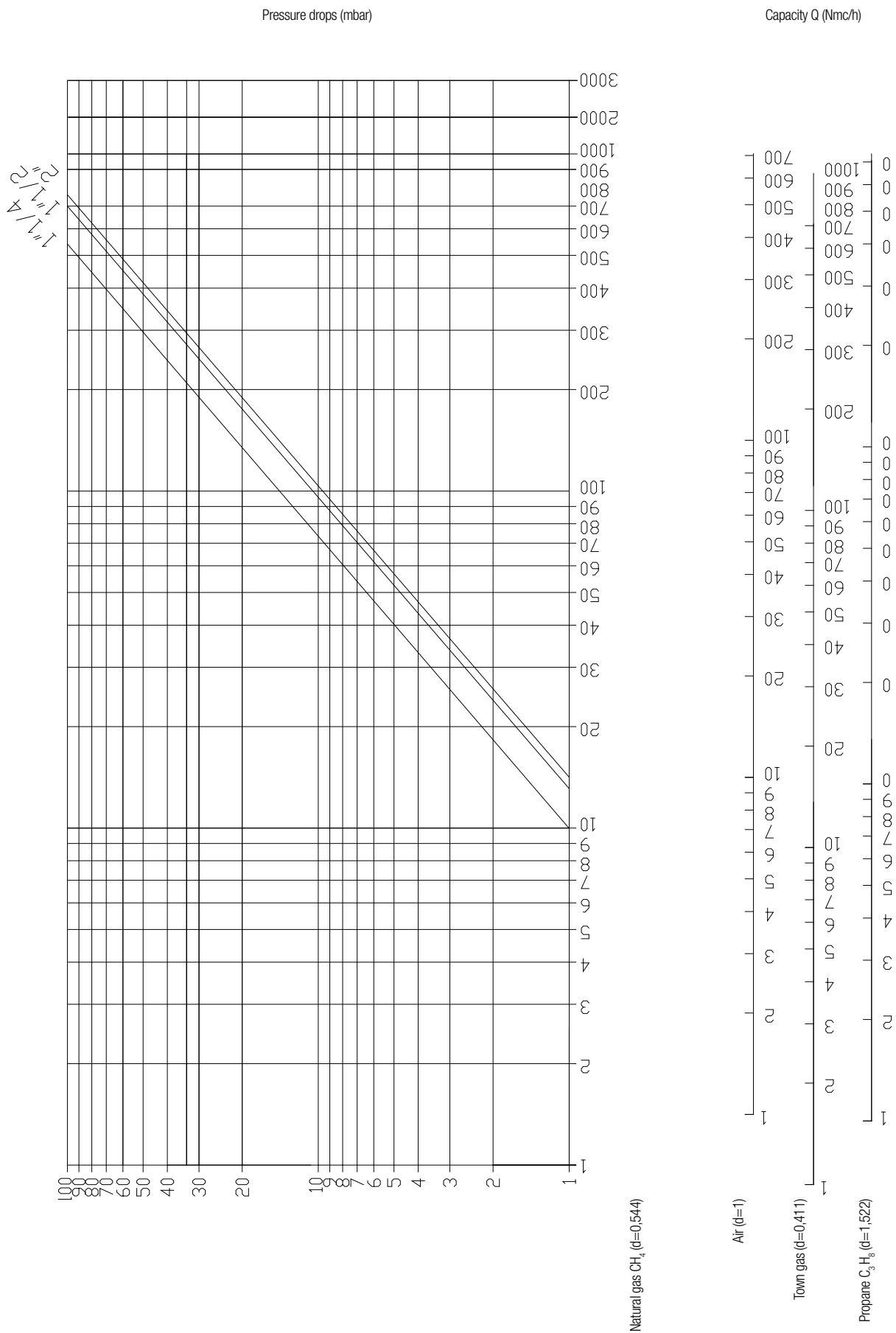


Code	Description	Model
CP1 – 1 – 6B	Control position indicator	½", ¾", 1"
CP1 – 2 – 6B	Control position indicator	1 ¼", 1 ½", 2"

AUTOMATIC VALVE 1/2", 3/4", 1"



AUTOMATIC VALVE 1 ¼", 1 ½", 2"



The background of the entire page is a photograph of an industrial facility, likely a gas processing or distribution plant. It features a complex network of pipes, valves, and large storage tanks. The image is heavily overlaid with a semi-transparent green filter. In the foreground, two large, circular pressure gauges are visible, with their dials and needles clearly shown. The gauges have white faces with black markings and numbers. The overall scene is industrial and technical.

Automatic gas valves - Normally open - Vent valves

» Normally open solenoid valve is an automatic pressure relief valve for gas burners and gas appliances. The normally open gas solenoid valve is a safety device which quickly intercepts gas flow when the pressure it is monitoring reaches a pre-set limit due to any anomaly in the system



Normally open - Vent valves

AUTOMATIC GAS VALVES - NORMALLY OPEN - VENT VALVE
1/2", 3/4" and 1" – 360 mbar – 6 bar

p. 106

AUTOMATIC GAS VALVES - Normally Open - Vent valve 1/2", 3/4" and 1" – 360 mbar – Pmax 6 bar



Code	Description	Dimension	Pmax
AV015NO	Gas valve fast opening	1/2"	360 mbar
AV020NO	Gas valve fast opening	3/4"	360 mbar
AV025NO	Gas valve fast opening	1"	360 mbar
AVD25NO	Gas valve fast opening	DN25	360 mbar

AV015NO - 6B	Gas valve fast opening	1/2"	6 bar
AV020NO - 6B	Gas valve fast opening	3/4"	6 bar
AV025NO - 6B	Gas valve fast opening	1"	6 bar
AVD25NO - 6B	Gas valve fast opening	DN25	6 bar

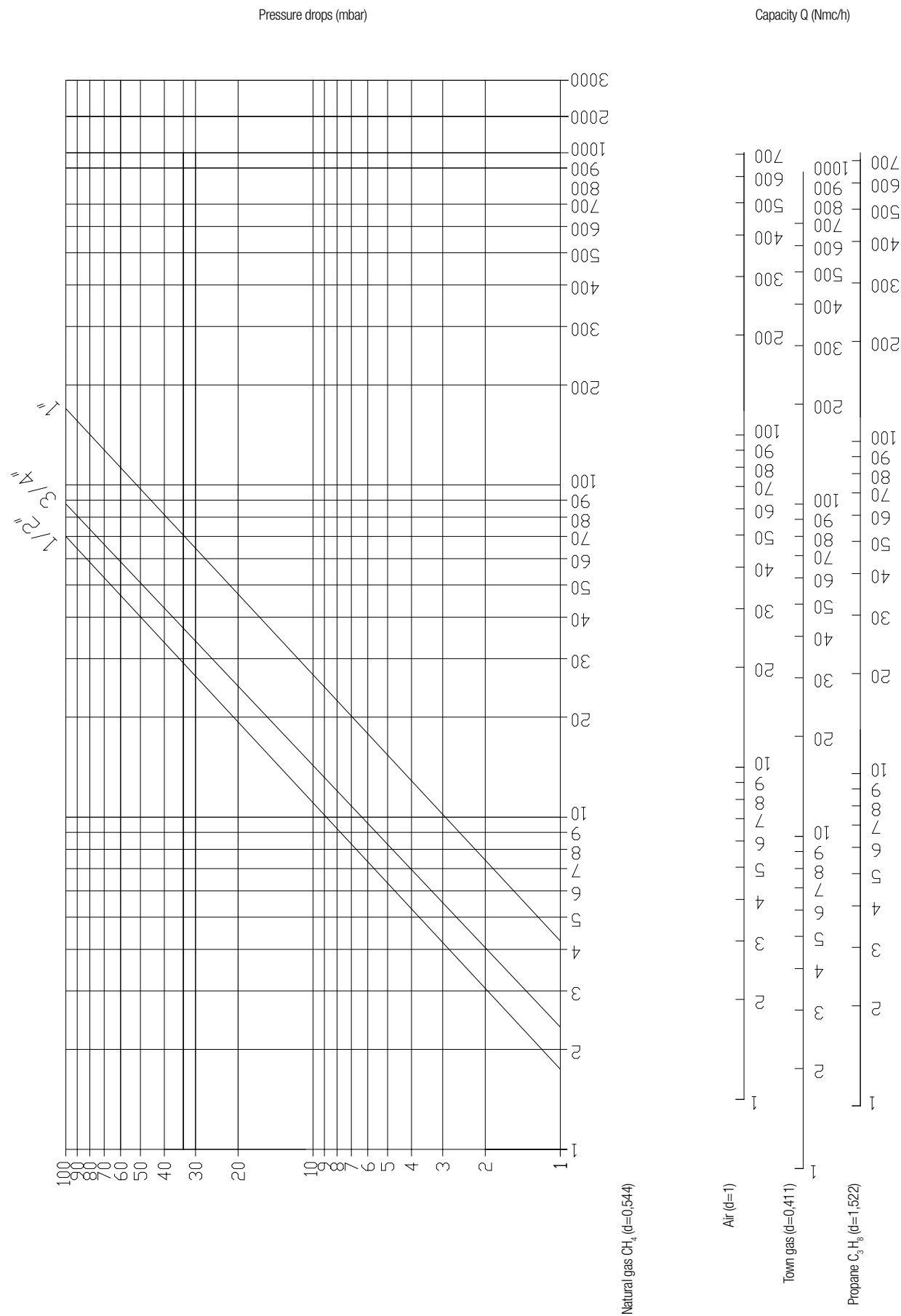
TECHNICAL FEATURES

Pmax	360 mbar - 6 bar
Inlet connection - outlet	Thread gas 1/2" 3/4" and 1" - ISO 228 DN25 - Sliding Aluminium flange PN10
Opening time Closing time	<1 second <1 second
Max number of operations	20 per minute
Incorporated AISI 303 steel mesh filter on request	
Supply voltage	230V (-15%+10%) 50-60Hz 110V (-15%+10%) 50-60Hz 24Vdc (-15%+10%) 50-60Hz
Power	15 VA Coils to class F copper wire class H
Use	Non - aggressive gases - Family 1 - 2 - 3 and air
Test point	3 connections Screw 1/4" NPT
Working Temperature	- 20 °C - 60 °C
Approval	EN161
Protection degree	IP65

Materials:

Complete Body	Die - Cast Aluminium Gd - AISI12Cu - EN AB 46100
----------------------	--

AUTOMATIC VALVE 1/2", 3/4", 1"





Our policy of continuous product improvement, the features and data shown are subject to change without notice. The images of the products and accessories are only indicative. Graphic colors of the products may differ from reality.

9584015



GECA S.r.l.
Via E. Fermi, 98 | 25064 Gussago (BS) | ITALY
Tel. +39 030 3730218
Fax +39 030 3730228
E-mail: export@gecasrl.it
www.gecasrl.it



Tecnocontrol S.r.l.
Via Miglioli, 47 | 20090 Milano | ITALY
Tel. +39 02 26922890
Fax +39 02 2133734
E-mail: export@tecnocontrol.it
www.tecnocontrol.it