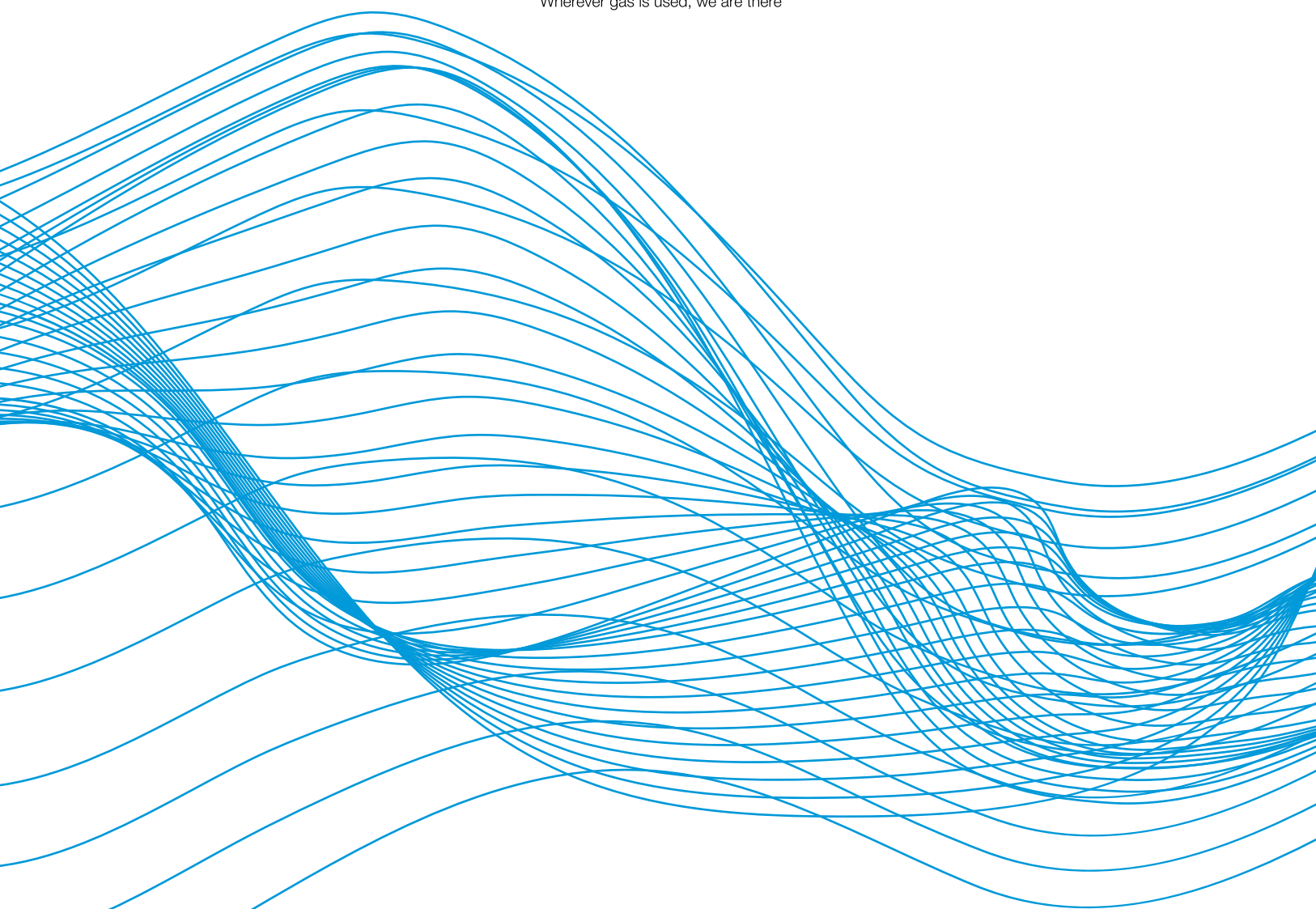




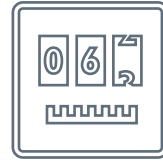
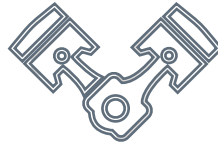
cavagna group

Wherever gas is used, we are there



Valves for Refrigerant Gases

Solutions



LPG SOLUTIONS



COMPRESSED GASES SOLUTIONS



NATURAL GAS SOLUTIONS



ALTERNATIVE FUEL SYSTEMS



GAS METERING SOLUTIONS



OTHER





Since 1949, the CavagnaGroup® has supplied the worldwide gas industry with products of superior quality and value. This catalogue features a complete line of products and accessories for the refrigerant gas cylinders.

CavagnaGroup® is a registered trademark.
©Copyright 2019 CavagnaGroup®

The CavagnaGroup® is a key industrial partner for oil and gas companies, utility companies and OEMs, supplying them with technology for the regulation, control and metering of gases (gas for energy; industrial, medical and specialty gases; alternative fuels). Founded as a family-run business in 1949, the CavagnaGroup® has evolved to become the worldwide company that it is today. Wherever gas is involved, fueling work and life, that's where you'll find the CavagnaGroup®'s technological and manufacturing prowess. Whatever the type of gas, Cavagna is the one and only company to turn to: with safe, efficient technological solutions.

The Group offers a broad range of highly reliable products thanks to its ability to combine cutting-edge engineering research with certified, high-quality manufacturing processes including:

- LPG Valves, Equipment and Regulators
- Engineering and Services dedicated to the LPG industry
- Natural Gas regulators for domestic, commercial and industrial use and metering
- ASME, Fork Lift, and Motor Fuel Tank Valves
- Compressed Gases Cylinder Valves
- Refrigeration Cylinder Valves
- Regulation Equipment for Industrial Gases
- Regulation Equipment for Medical Gases
- Comprehensive Range of Welding and Cutting Equipment
- CNG - AUTOGAS cylinder and filling valves
- CNG - AUTOGAS systems
- LPG Powered Equipment
- Gas Meters

The Group's design engineers and laboratory technicians closely cooperate with worldwide regulatory institutions, both in the writing of international performance standards and in the creation of new products.

The Cavagna Group of companies has invested heavily in personnel, individual training, and robotic technology to meet the quality standards required by our customers and the 145 countries we serve.

Our philosophy is to provide all of our customers with quality products, continuous innovation and superior service in a competitive environment.

Valves for Refrigerant Gases

Single Phase Diaphragm valve for flammable Refrigerant Gas	PG. 4
Single Phase Diaphragm valve for NOT flammable Refrigerant Gas	PG. 5
Double Phase Diaphragm valve for flammable Refrigerant Gas	PG. 6
Double Phase Diaphragm valve for NOT flammable Refrigerant Gas	PG. 7
Y valve for flammable Refrigerant Gas	PG. 8
Y valve for NOT flammable Refrigerant Gas	PG. 9
O-Ring valve for flammable Refrigerant Gas	PG. 10
O-Ring valve for NOT flammable Refrigerant Gas	PG. 11
Tube and Tools	PG. 12

Single Phase Diaphragm valve for flammable Refrigerant Gas

Key Features:

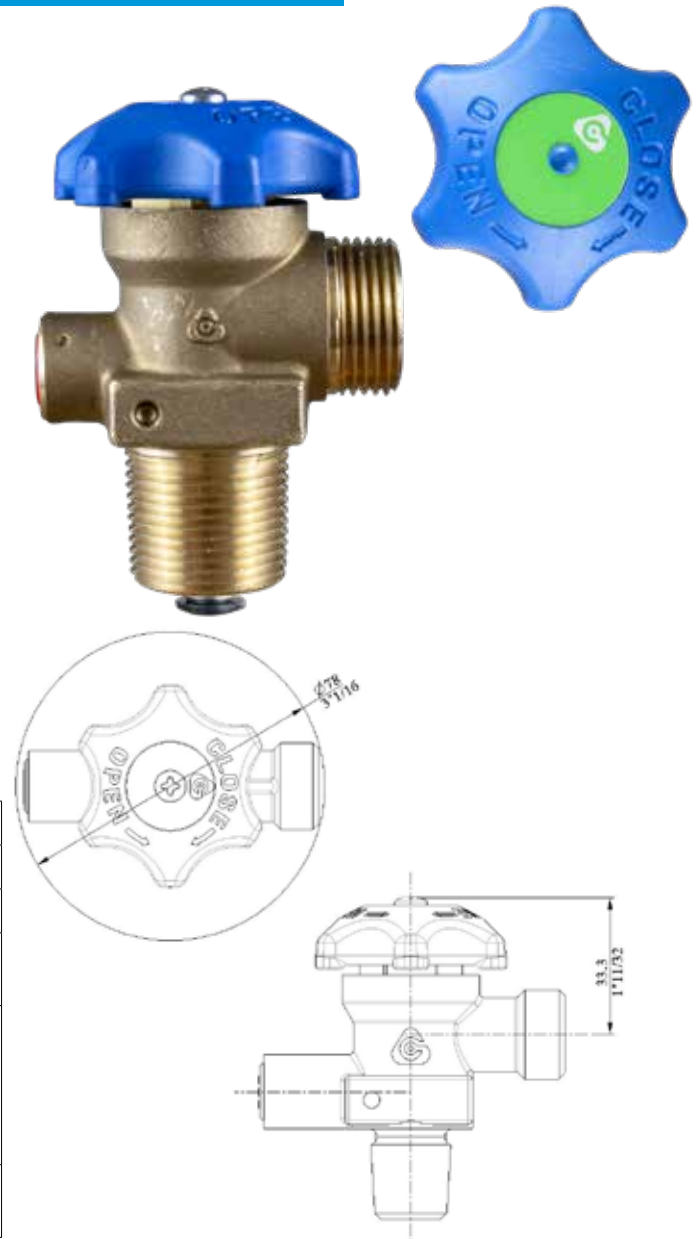
- Brass cylinder valve for refrigerant and cooling applications using halocarbons
- Permanent gas tight seal
- π marking according TPED directive and EN ISO 10297
- Spring Loaded PRV/Bursting disk
- Tube quick connection

Options:

- Customer's logo on label
- Cap nuts
- Withdrawal tubes (PA)
- Anti-Filling – Rubber or Metal seal:
 - Removable
 - Unremovable
 - Breakable
- Colored plastic handwheel: red, blue + green label
- Plastic inlet/outlet thread protection
- PRV plastic red cap
- Plastic sediment tube
- Inlet thread dry sealant
- Inlet thread PTFE tape

Specifications:

Test pressure	55 bar / 800 psi
Service temperatures	-20°C up to + 65°C
Seat orifice size	8 mm
Helium leak rate at Pmax	internal 4,3 10 ⁻³ mbarL/sec external 4,3 10 ⁻³ mbarL/sec
Material	Body: brass Handwheel: plastic Seat Pad: PA66 Diaphragm : stainless steel Withdrawal tube: PA
Inlet and outlet connections	According to country standards



Example product details*:

Valves	Inlet	Outlet 1	Safety Devices	Colored Plastic Handwheel	Quick Tube Connection	Anti-filling	Homologation
7601900420	17E	W21.8x1/14"-LH	PRV 48 bar	Blue – Vapor + Green label	No	Installed	π
7601900429	25E	W21.8x1/14"-LH	PRV 42 bar	Blue – Vapor + Green label	No	Installed	π
7601900447	25E	W21.8x1/14"-LH	N.A.	Red – Liquid + Green label	Yes	Installed	π
7601900448	17E	W21.8x1/14"-LH	N.A.	Red – Liquid + Green label	Yes	Installed	π

* Here are some example codes that are intended for reference only, you may contact our sales department for further details.

Single Phase Diaphragm valve for NOT flammable Refrigerant Gas

Key Features:

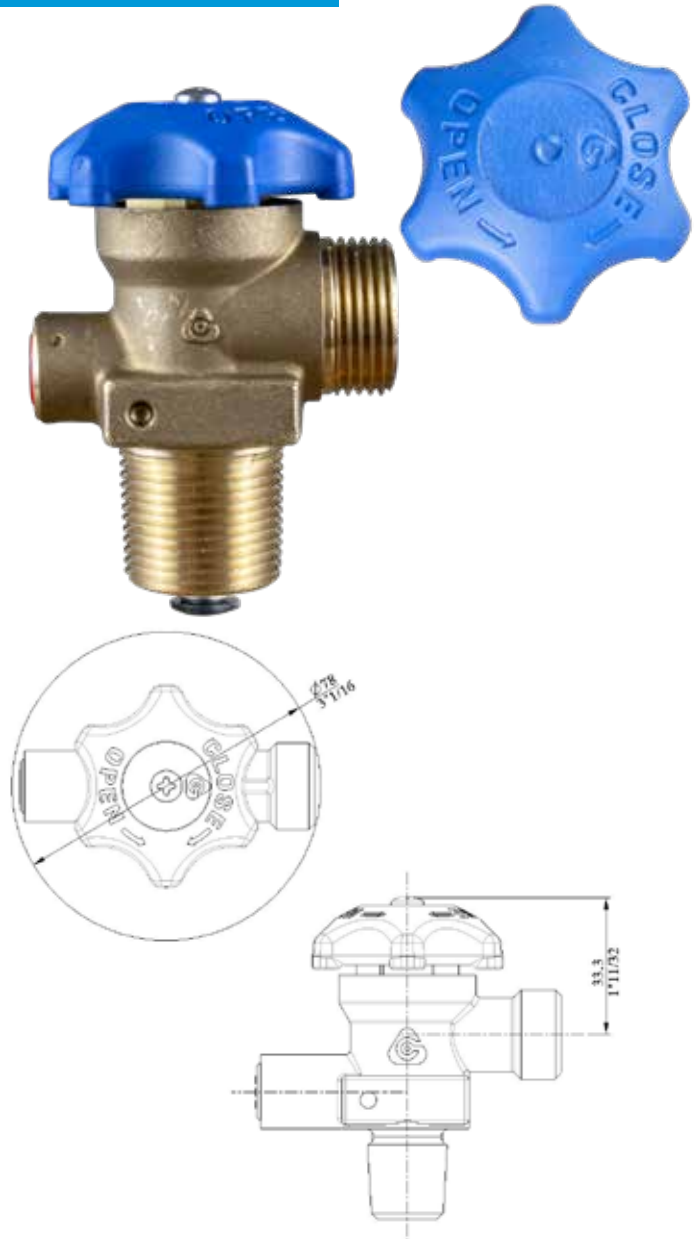
- Brass cylinder valve for refrigerant and cooling applications using halocarbons
- Permanent gas tight seal
- π marking according TPED directive and EN ISO 10297
- Spring Loaded PRV/Bursting disk
- Tube quick connection

Options:

- Customer's logo on label
- Cap nuts
- Withdrawal tubes (PA)
- Anti-Filling – Rubber or Metal seal:
 - Removable
 - Unremovable
 - Breakable
- Colored plastic handwheel: red, blue
- Plastic inlet/outlet thread protection
- PRV plastic red cap
- Cartridge Spring Loaded PRV
- Inlet thread dry sealant
- Inlet thread PTFE tape

Specifications:

Test pressure	55 bar / 800 psi
Service temperatures	-20°C up to + 65°C
Seat orifice size	8 mm
Helium leak rate at Pmax	internal $4,3 \cdot 10^{-3}$ mbarl/sec external $4,3 \cdot 10^{-3}$ mbarl/sec
Material	Body: brass Handwheel: plastic Seat Pad: PA66 Diaphragm : stainless steel Withdrawal tube: PA
Inlet and outlet connections	According to country standards




Example product details*:

Valves	Inlet	Outlet 1	Safety Devices	Colored Plastic Handwheel	Quick Tube Connection	Anti-filling	Homologation
7601900333	25E	W21.8x1/14"	Bursting Disc 43 bar	Blue Liquid	Yes	Installed	π
7601900430	25E	W21.7x1/14"	PRV 42 bar	Blue Vapor	No	Installed	π
7601900450	25E	W21.7x1/14"	No	Red Liquid	Yes	Not Applicable	π

* Here are some example codes that are intended for reference only, you may contact our sales department for further details.

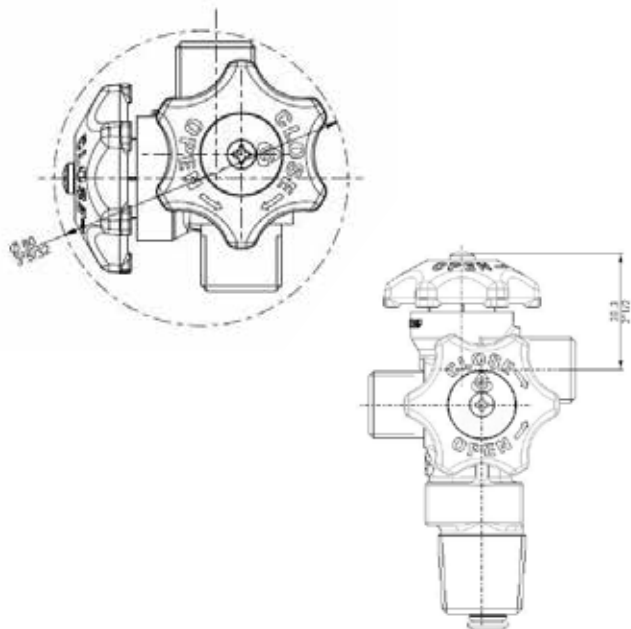
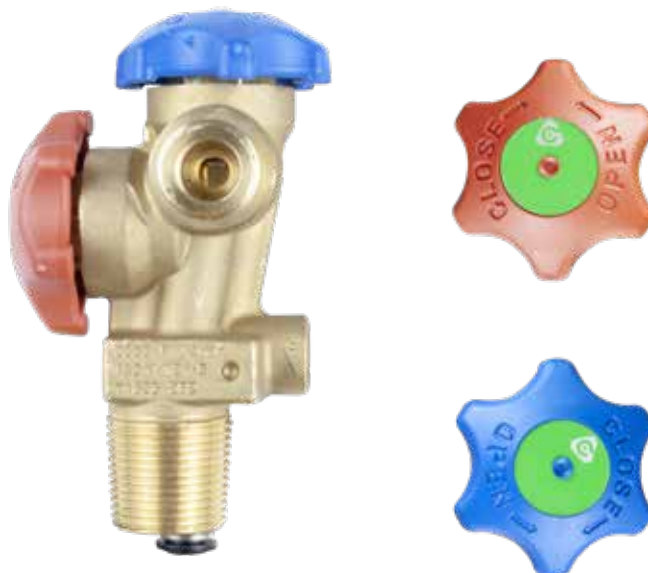
Double Phase Diaphragm valve for flammable Refrigerant Gas

Key Features:

- Brass cylinder valve for refrigerant and cooling applications using halocarbons
- Permanent gas tight seal
- π marking according TPED directive and EN ISO 10297
-  Listed according UL 1769
- Spring Loaded PRV
- Single or Double outlet
- Tube quick connection

Options:

- Customer's logo on label
- Cap nuts
- Withdrawal tubes (PA)
- Anti-Filling – Rubber or Metal seal:
 - Removable
 - Unremovable
 - Breakable
- Colored plastic handwheel: red, blue + green label
- Plastic inlet/outlet thread protection
- PRV plastic red cap
- Cartridge Spring Loaded PRV
- Inlet thread dry sealant
- Inlet thread PTFE tape



Specifications:

Test pressure	55 bar / 800 psi
Service temperatures	-20°C up to + 65°C
Seat orifice size	8 mm
Helium leak rate at Pmax	internal 4,3 10 ⁻³ mbarl/sec external 4,3 10 ⁻³ mbarl/sec
Material	Body: brass Handwheel: plastic Seat Pad: PA66 Diaphragm : stainless steel Withdrawal tube: PA
Inlet and outlet connections	According to country standards


Example product details*:

Valves	Inlet	Outlet 1	Outlet 2	Safety Devices	Colored Plastic Handwheel	Quick Tube Connection	Anti-filling	Homologation
7601900427	25E	W21.8x1/14"-LH	No	PRV 42 bar	Blue Vapor + Green label - Red Liquid + Green label	Yes	Installed	π
7601900428	25E	W21.8x1/14"-LH	No	No		Yes	Available	π
7601900440	25E	W21.8x1/14"-LH	W21.8x1/14"-LH	No		Yes	Available	π
7601900464	25E	W21.8x1/14"-LH	W21.8x1/14"-LH	PRV 48 bar		Yes	Available	π

* Here are some example codes that are intended for reference only, you may contact our sales department for further details.

Double Phase Diaphragm valve for NOT flammable Refrigerant Gas

Key Features:

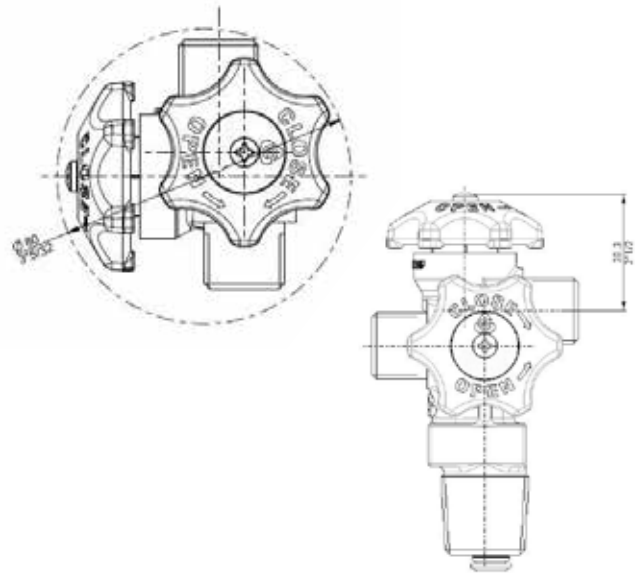
- Brass cylinder valve for refrigerant and cooling applications using halocarbons
- Permanent gas tight seal
- π marking according TPED directive and EN ISO 10297
-  Listed according UL 1769
- Spring Loaded PRV
- Single or Double outlet
- Tube quick connection

Options:

- Customer's logo on label
- Cap nuts
- Withdrawal tubes (PA)
- Anti-Filling (AF) :
 - Removable
 - Unremovable
 - Breakable
- Colored plastic handwheel: red, blue
- Plastic inlet/outlet thread protection
- PRV plastic red cap
- Cartridge Spring Loaded PRV
- Inlet thread dry sealant
- Inlet thread PTFE tape

Specifications:

Test pressure	55 bar / 800 psi
Service temperatures	-20°C up to + 65°C
Seat orifice size	8 mm
Helium leak rate at Pmax	internal 4,3 10 ⁻³ mbarl/sec external 4,3 10 ⁻³ mbarl/sec
Material	Body: brass Handwheel: plastic Seat Pad: PA66 Diaphragm : stainless steel Withdrawal tube: PA
Inlet and outlet connections	According to country standards




Example product details*:

Valves	Inlet	Outlet 1	Outlet 2	Safety Devices	Colored Plastic Handwheel	Quick Tube Connection	Anti-filling	Homologation
7601900167	25E	W21.7x1/14"	No	PRV 42 bar	Blue Vapor - Red Liquid	Yes	Available	π
7601900169	3/4-14 NGT	1.030-14 NGO-RH-EXT (CGA 660)	1.030-14 NGO-RH-EXT (CGA660)	PRV 600 PSI		Yes	Not Applicable	π
7601900354	25E	W21.7x1/14"	W21.7x1/14"	PRV 42 bar		Yes	Available	π
7601900390	25E	W21.8x1/14"	W21.8x1/14"	No		Yes	Available	π
7601900393	25E	G5/8"A	G5/8"A	PRV 42 bar		Yes	Available	π
7601900422	25E	G5/8"A	No	PRV 42 bar		Yes	Available	π

* Here are some example codes that are intended for reference only, you may contact our sales department for further details.

Y valve for flammable Refrigerant Gas

Key Features:

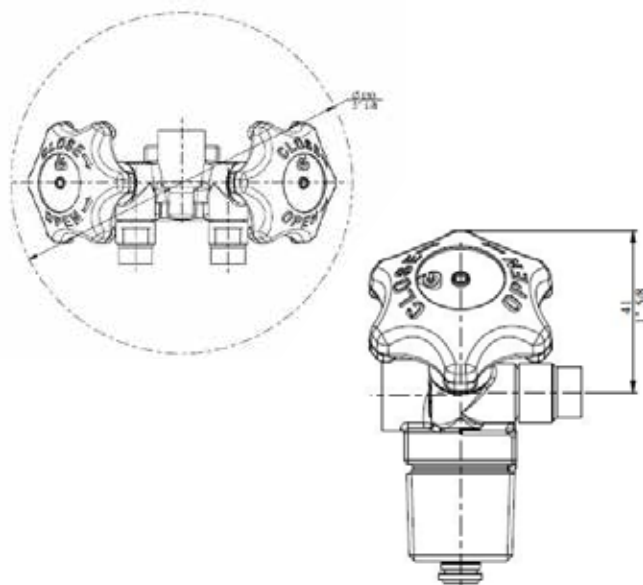
- Brass cylinder valve for refrigerant and cooling applications using halocarbons
- Double O-Ring valve operating mechanism
- Permanent gas tight seal
- π marking according TPED directive and EN ISO 10297
-  Listed according UL 1769
- Spring Loaded PRV or Bursting Disk
- Single or Double outlet
- Tube quick connection

Options:



- Customer's logo on label
- Withdrawal tubes available (PA)
- Anti-Filling – Rubber or metal seal :
 - Removable
 - Unremovable
 - Breakable
- Colored plastic handwheel: red, blue + green label
- Plastic inlet/outlet thread protection
- PRV plastic red cap
- Inlet thread dry sealant
- Inlet thread PTFE tape

Specifications:

Test pressure	55 bar / 800 psi
Service temperatures	-20°C up to + 65°C
Seat orifice size	4 mm
Helium leak rate at Pmax	internal 4,3 10 ⁻³ mbarl/sec external 4,3 10 ⁻³ mbarl/sec
Material	Body: brass Handwheel: plastic Seat: PA66 O-ring : CR Rubber Withdrawal tube: PA
Inlet and outlet connections	According to country standards




Example product details*:

Valves	Inlet	Outlet 1	Outlet 2	Safety Devices	Colored Plastic Handwheel	Quick Tube Connection	Anti-filling	Homologation
7601900445	¾ - 14 NGT	½"-16 ACME-LH-CGA166	½"-16 ACME-LH-CGA166	PRV 600 PSI	Blue Liquid - Red Vapor	Yes	Not Applicable	
7601900446	¾ - 14 NGT	½"-16 ACME-LH-CGA166	½"-16 ACME-LH-CGA166	PRV 375 PSI	Blue Liquid - Red Vapor	Yes	Not Applicable	
7601900449	25E	½"-16 ACME-LH-CGA166	½"-16 ACME-LH-CGA166	PRV 42 bar	Blue Vapor + Green label - Red Liquid + Green label	Yes	Not Applicable	π

* Here are some example codes that are intended for reference only, you may contact our sales department for further details.

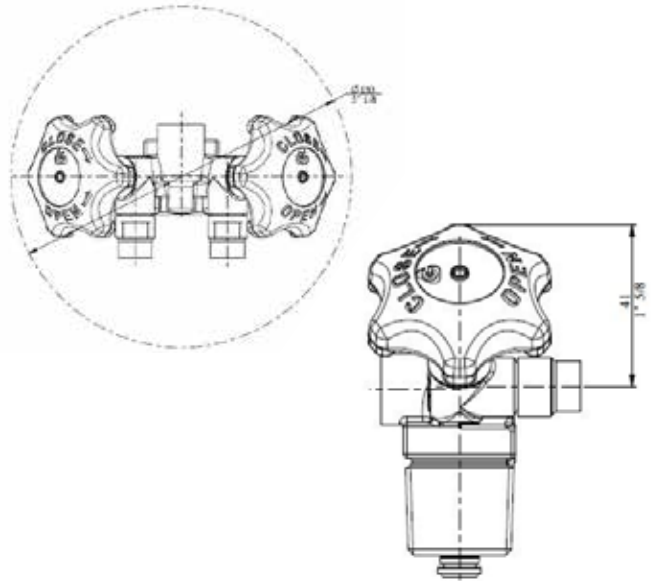
Y valve for NOT flammable Refrigerant Gas

Key Features:

- Brass cylinder valve for refrigerant and cooling applications using halocarbons
- Double O-Ring valve operating mechanism
- Permanent gas tight seal
- π marking according TPED directive and EN ISO 10297
-  Listed according UL 1769
- Spring Loaded PRV or Bursting Disk
- Single or Double outlet
- Tube quick connection

Options:


- Customer's logo on label
- Withdrawal tubes available (PA)
- Anti-Filling – Rubber or metal seal :
 - Removable
 - Unremovable
 - Breakable
- Colored plastic handwheel: red, blue
- Plastic inlet/outlet thread protection
- PRV plastic red cap
- Inlet thread dry sealant
- Inlet thread PTFE tape



Specifications:

Test pressure	55 bar / 800 psi
Service temperatures	-20°C up to + 65°C
Seat orifice size	4 mm
Helium leak rate at Pmax	internal 4,3 10 ⁻³ mbarl/sec external 4,3 10 ⁻³ mbarl/sec
Material	Body: brass Handwheel: plastic Seat: PA66 O-ring : CR Rubber Withdrawal tube: PA
Inlet and outlet connections	According to country standards


Example product details*:

Valves	Inlet	Outlet 1	Outlet 2	Safety Devices	Colored Plastic Handwheel	Quick Tube Connection	Anti-filling	Homologation
7601900184	25E	¼" SAE FLARE (CGA 165)	¼" SAE FLARE (CGA 165)	PRV 42 bar	Blue Vapor – Red Liquid	Yes	Not Applicable	π
7601900214	¾ - 14 NGT	¼" SAE FLARE (CGA 165)	¼" SAE FLARE (CGA 165)	PRV 600 PSI		Yes	Not Applicable	π and 
7601900220	25E	1.030"-14 NGO-RH-EXT (CGA 660)	No	PRV 42 bar		Yes	Available	π
7601900362	25E	¼" SAE FLARE (CGA 165)	¼" SAE FLARE (CGA 165)	PRV 46 bar		Yes	Not Applicable	π

* Here are some example codes that are intended for reference only, you may contact our sales department for further details.

O-Ring valve for flammable Refrigerant Gas

Key Features:

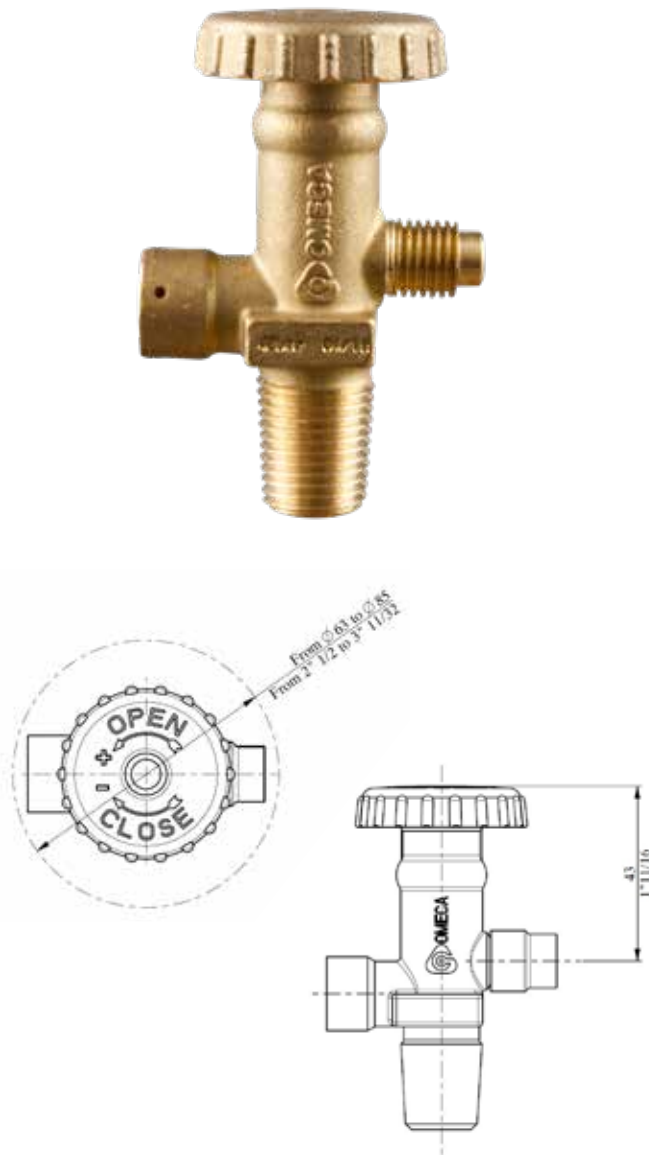
- Brass cylinder valve for refrigerant and cooling applications using halocarbons
- Double O-Ring valve operating mechanism
- Permanent gas tight seal
- π marking according TPED directive and EN ISO 10297
-  Listed according UL 1769
- Spring Loaded PRV

Options:


- Customer's logo on handwheel
- Cap nuts available
- Withdrawal tubes available (PA)
- Anti-Filling – Rubber or metal seal :
 - Removable
 - Unremovable
 - Breakable
- Brass handwheel
- Plastic inlet/outlet thread protection
- PRV plastic red cap
- Inlet thread dry sealant
- Inlet thread PTFE tape

Specifications:

Test pressure	55 bar / 800 psi
Service temperatures	-20°C up to + 65°C
Seat orifice size	7 mm
Helium leak rate at Pmax	internal $4,3 \cdot 10^{-3}$ mbarL/sec external $4,3 \cdot 10^{-3}$ mbarL/sec
Material	Body: brass Handwheel: brass Seat: PA66 O-ring : CR Rubber Withdrawal tube: PA
Inlet and outlet connections	According to country standards




Example product details*:

Valves	Inlet	Outlet	Safety Devices	Quick Tube Connection	Anti-filling	Homologation
7601900452	17E	1/2"-16 ACME-LH (CGA166)	PRV 42 bar	No	Not Applicable	π and 

* Here are some example codes that are intended for reference only, you may contact our sales department for further details.

O-Ring valve for NOT flammable Refrigerant Gas

Key Features:

- Brass cylinder valve for refrigerant and cooling applications using halocarbons
- Double O-Ring valve operating mechanism
- Permanent gas tight seal
- π marking according TPED directive and EN ISO 10297
-  Listed according UL 1769
- Spring Loaded PRV

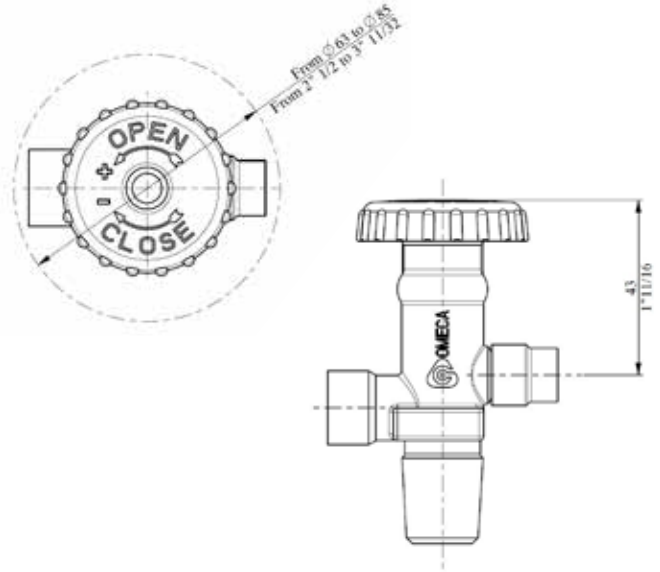
Options:

- Customer's logo on handwheel
- Cap nuts available
- Withdrawal tubes available (PA)
- Anti-Filling – Rubber or metal seal :
 - Removable
 - Unremovable
 - Breakable
- Brass handwheel
- Plastic inlet/outlet thread protection
- PRV plastic red cap
- Inlet thread dry sealant
- Inlet thread PTFE tape



Specifications:

Test pressure	55 bar / 800 psi
Service temperatures	-20°C up to + 65°C
Seat orifice size	7 mm
Helium leak rate at Pmax	internal 4,3 10 ⁻³ mbarl/sec external 4,3 10 ⁻³ mbarl/sec
Material	Body: brass Handwheel: brass Seat: PA66 O-ring : CR Rubber Withdrawal tube: PA
Inlet and outlet connections	According to country standards



Example product details*:

Valves	Inlet	Outlet	Safety Devices	Quick Tube Connection	Anti-filling	Homologation
7601900192	17E	7/16" (CGA 165)	PRV 42 bar	No	Not Applicable	π
7601900330	17E	W21.8x1/14"	No	Yes	Installed	π
8008907007	25E	W21.8x1/14"	No	No	Not Applicable	π
8008908153	25E	7/16" (CGA 165)	PRV 42 bar	No	Not Applicable	π

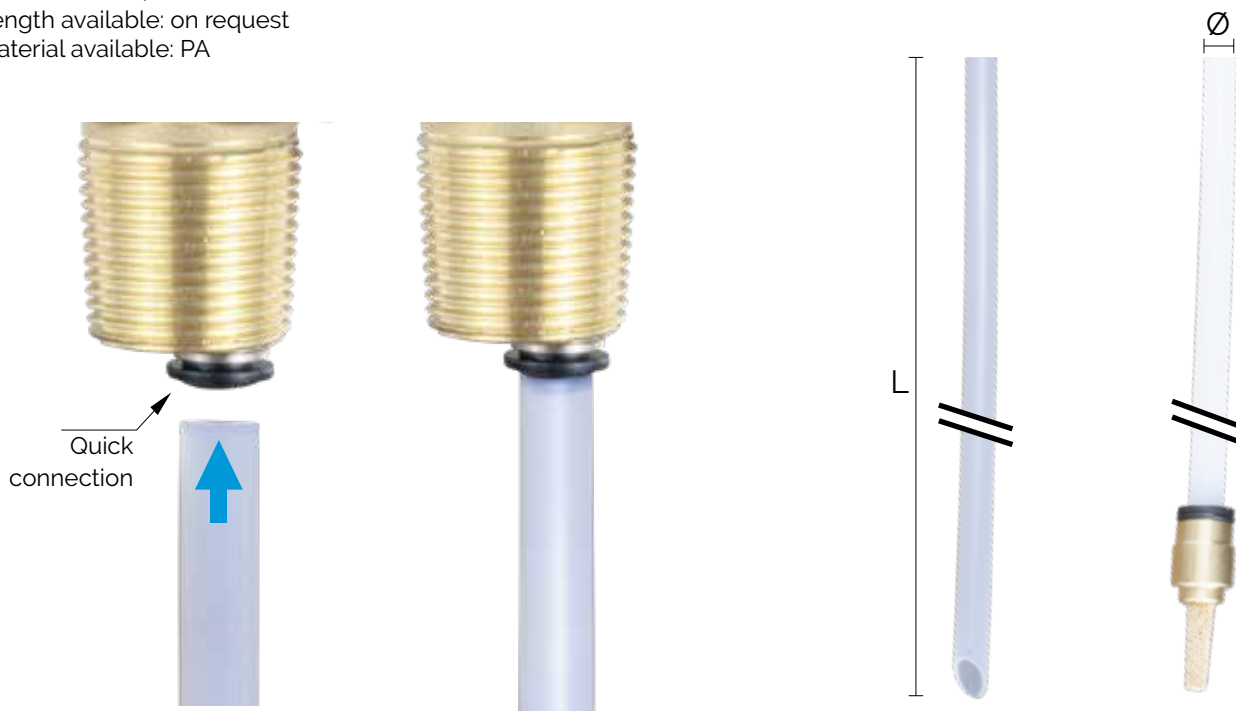
* Here are some example codes that are intended for reference only, you may contact our sales department for further details.

Tubes and Tools

CavagnaGroup® offers a wide range of tubes and tools to complement its line of valves for refrigerant gas cylinders.

Specifications:

- Tube with or without filter
- Ø available: Ø6, Ø8 and Ø10
- Length available: on request
- Material available: PA



Available tools to install and to remove:

- Anti-Filling Breakable Version
- Anti-Filling Removable Version
- Anti-Filling Unremovable Version





CAVAGNA group

Wherever gas is used, we are there

Our Global Product Brands

reca[®]

Kosan⁺**LINE**[®]

O.A.R.A.[®]

Kosangas[®]

omeca[®]

n.p.[®]

bigas[®]
A Cavagna Group Partner Company

cemco kosangas[®]

MESURA[®]
A Cavagna Group Company

MESURA[®]
METERING
A Cavagna Group Company

greengear[®]
looking ahead
A Cavagna Group Company

VIPROXY[®]

The Cavagna Group logo is a registered trademark of Cavagna Group SPA. All other marks are the property of their respective owners. RECA, KOSAN +, KOSANGAS, CEMCO KOSANGAS, O.A.R.A., OMECA, N.P., BIGAS, MESURA, MESURA METERING, GREENGEAR and VIPROXY are marks of the CavagnaGroup®.

The contents and pictures of this publication are presented for informational purposes only, and while every effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, regarding the products or services described herein or their use or applicability. We reserve the right to modify or improve the designs or specifications of such products at any time without notice.

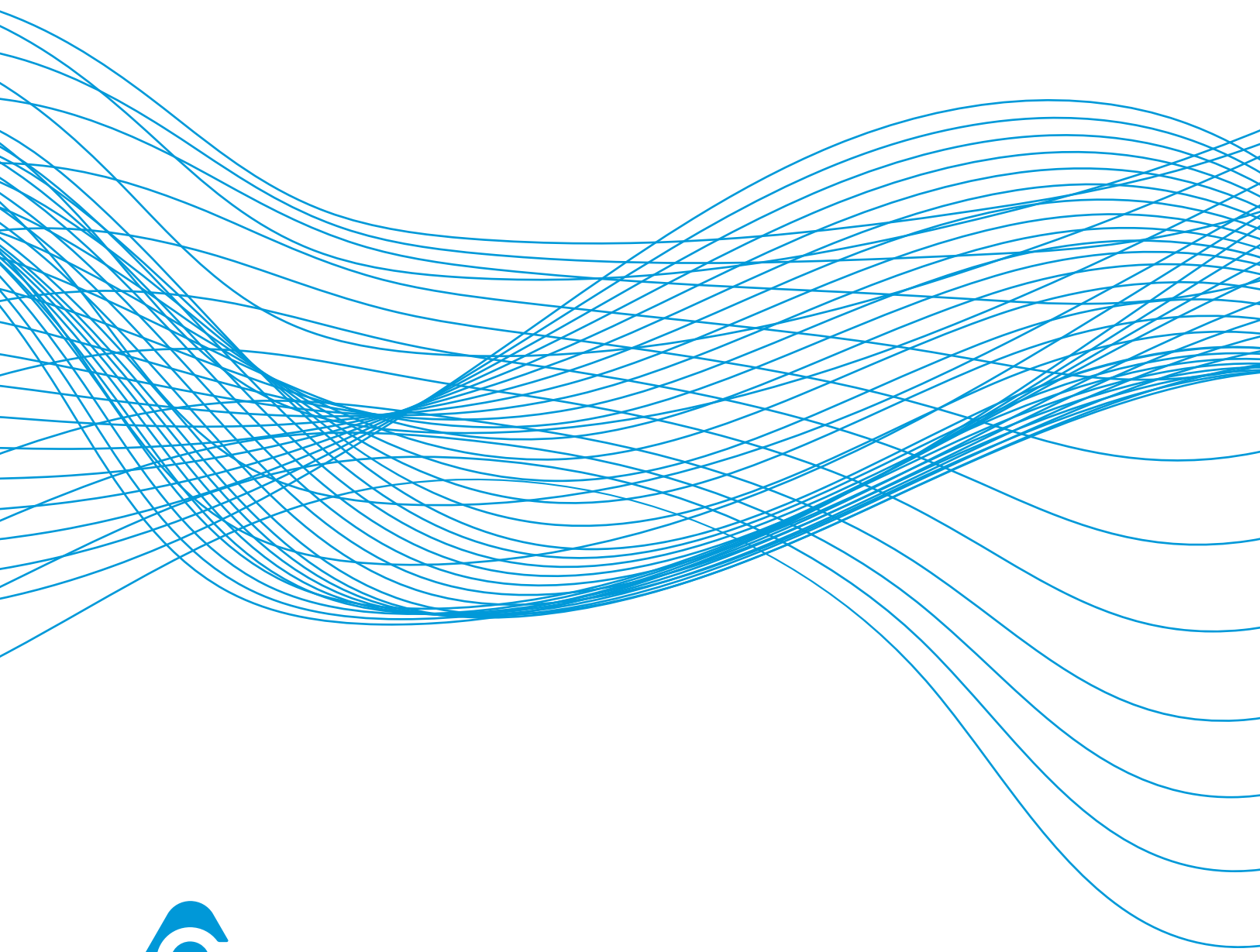


CAVAGNA group

Wherever gas is used, we are there

Manufacturing Facilities





cavagna group

Wherever gas is used, we are there

CAVAGNA GROUP SPA

Via Statale 11/13 - Frazione Ponte San Marco

25011 Calcinato - Brescia (Italy)

Tel. 0039 030 9663111 - Fax 0039 030 9969014

info@cavagnagroup.com

www.cavagnagroup.com