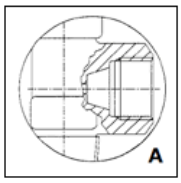
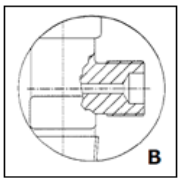
SANOSUB
UNDER PRESSURE

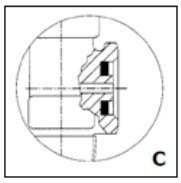
INDUSTRIAL

MADE IN ITALY

TIPOLOGIA DI ATTACCHI







	GAS	ARIA	AZOTO	ARGON	ELIO	IDROGENO	METANO
	Simboli		N^2	Ar	He	H2	CH^2
	Dimensione	W 30 x 1/14"	W 21,7 x 1/14"	W 25,4 x 1/14"	W 25,4 x 1/14"	W 20 x 1/14" LH	W 20 x 1/14" LH
	Rif. Norma	UNI 11144 NR 6	UNI 11144 NR 5	UNI 11144 NR 8	UNI 11144 NR 8	UNI 11144 NR 1H	UNI 11144 NR 1H
	Tipo	B	A	A	A	B	B
	Dimensione	G 5/8"	W 24,32 1/14"	W 21,8 1/14"	W 21,8 1/14"	W 21,8 1/14" LH	W 21,8 1/14" LH
	Rif. Norma	DIN 477 nr.13	DIN 477 nr.10	DIN 477 nr.6	DIN 477 nr.6	DIN 477 nr.1	DIN 477 nr.1
	Tipo	A	B	B	B	B	B
	Dimensione	G 5/8"	G 5/8"	G 5/8"	G 5/8"	G 5/8" LH	G 5/8" LH
	Rif. Norma	BS 341 nr.3	BS 341 nr.3	BS 341 nr.3	BS 341 nr.3	BS 341 nr.2	BS 341 nr.2
	Tipo	A	A	A	A	A	A
	Dimensione	Ø 30 X 1,75	Ø 21,7 X 1,814	Ø 21,7 X 1,814	Ø 21,7 X 1,814	Ø 21,7 X 1,814 LH	Ø 21,7 X 1,814 LH
	Rif. Norma	NF E 29-650/B	NF E 29-650/C	NF E 29-650/C	NF E 29-650/C	NF E 29-650/E	NF E 29-650/E
	Tipo	B	B	B	B	B	B
	Dimensione	M 30 X 1,75 DERECHA	M 21,7 X 1,814 DERECHA	M 21,7 X 1,814 DERECHA	M 21,7 X 1,814 DERECHA	M 21,7 X 1,814 IZQUIERDA	M 21,7 X 1,814 IZQUIERDA
	Rif. Norma	UNE TIPO B	UNE TIPO C	UNE TIPO C	UNE TIPO C	UNE TIPO E	UNE TIPO E
	Tipo	B	B	B	B	B	B

	GAS	OSSIGENO	ANIDRIDE CARBONICA	ACETILENE	AMMONIACA	G.P.L.	PROTOSSIDO DI AZOTO
	Simboli	O^2	CO^2	C^2H^2	NH^3	C^3H^8	N^2O
	Dimensione	W 21,7 x 1/14"	W 21,7 x 1/14"	Ø 20 x Ø 10 mm G 5/8" LH	W 30 x1/14" LH	W 20 x1/14" LH	G 3/8" A
	Rif. Norma	UNI 11144 NR 2	UNI 11144 NR 2	UNI 11144 NR 7S NF E 29-658	UNI 11144 NR 3	UNI 11144 NR 1H	UNI 11144 NR 9
	Tipo	B	B	C/A	B	B	B
	Dimensione	G 3/4"	W 21,8 1/14"	Ø 15,3 X Ø 7,5	W 21,8 1/14"	W 21,8 1/14" LH	G 3/8"
	Rif. Norma	DIN 477 nr.9	DIN 477 nr.6	DIN 477 nr.3	DIN 477 nr.6	DIN 477 nr.1	DIN 477 nr.11
	Tipo	A	B	A	B	A	B
	Dimensione	G 5/8"	0,860" x 14 TPI	G 5/8" LH	G 1/2" A	G 5/8" LH	11/16" X 20 TPI
	Rif. Norma	BS 341 nr.3	BS 341 nr.8	BS 341 nr.2	BS 341 nr.10	BS 341 nr.4	BS 341 nr.13
	Tipo	A	B	A	B	A	B
	Dimensione	Ø 22,91 X 1,814	Ø 21,7 X 1,814	Ø 21 X Ø 10 mm Ø 22,91 x 1,814LH	Ø 21,7 X 1,814	Ø 21,7 X 1,814 LH	Ø 26 X1,5
	Rif. Norma	NF E 29-650/B	NF E 29-650/C	NF E 29-650/A NF E 29-650/H	NF E 29-650/C	NF E 29-650/E	NF E 29-650/G
	Tipo	A	B	C/A	B	B	A
	Dimensione	W 22,91 X 14 DERECHA (R5/8")	M 21,7 X 1,814 DERECHA	W 22,91 - 14 LH (R5/8") IZQUIERDA W 26,44 - 14 (R3/4") DERECHA		M 21,7 X 1,814 IZQUIERDA	W16,66-1/19" (R3/8") DERECHA
	Rif. Norma	UNE TIPO F	UNE TIPO C	UNE TIPO H		UNE TIPO E	UNE TIPO U
	Tipo	A	B	C/A		B	A

INDUSTRIAL VALVE FUTURA OUTLET UNI G. 25E, 230 BAR

SERIES VI.200

FUTURA Valves for high pressure industrial and pure gas

FUTURA Valves for acetylene cylinders.

REFERENCE LEGISLATIVE STANDARDS

π1370 Directive 2010/35/UE/(TPED)

REFERENCE TECHNICAL STANDARDS

UNI EN ISO 10297

PERFORMANCE

Gas	O2/Air/N2O/CO2/SO2
Inlet pressure	230 Bar
Operating temperature	-45° C +65°C

MATERIALS

Body	Chromed brass - CW617N-UNI EN 12165
Shutter	Nylon/PEEK with brass pit
Valve seat hole for O2/N2Arg	diam. 4 mm
Valve seat hole for Co2	diam. 5,2 mm
O-ring	Painted aluminum

CONNECTIONS

Cylinder connection	25 E - 17 E
Outlet	UNI - NF - DIN - BS - CGA
Dip tube connection	M10x1

ACCESSORY DEVICES

Dip tubes in Aluminum

Dip tubes in Stainless steel

DIMENSIONS AND WEIGHT

Dimensions	120 x 60 x 52 mm
Weight	0,65Kg

SAFETY DEVICES

Pressure relief valve (CO2-N2O)

DOCUMENTATION

Declaration of Conformity and Instruction of Use

Code	Description	Inlet	Outlet	Gas
VI.236.20525UNI	Val. FUTURA 25E SO2 SULPHUR DIOXIDE	25E	NF E29-659	ZO2
VI.244.20524BS	Val. FUTURA 25E O2-Ar-He-N2 BS341/3	25E	0,00	O2 N2 Ar-He-aria
VI.236.20668UNI	Val. FUTURA 25E O2 UNI 11144/2	25E	UNI/2	O2
VI.236.20520UNI	Val. FUTURA 25E O2 UNI 11144/2 CROM	25E	UNI 2	O2
VI.244.20586NF	Val. FUTURA 25E N2O NF E29-657 CROM.	25E	NF	N2O
VI.236.20544UNI	Val. FUTURA 25E N2O UNI 11144/9 CROM	25E	UNI 1144/9	N2O
VI.244.20401DIN	Val. FUTURA 25E N2 DIN 124,32	25E	DIN 10	N2
VI.244.20521UNI	Val. FUTURA 25E N2 UNI 11144/5 CROM.	25E	UNI/5	N2
VI.244.20528DIN	Val. FUTURA 25E N2 DIN477/1	25E	DIN 10	N2
VI.123.10755	Val. E20017E N2 UNI	17E	UNI/5	N2
VI.123.10755NF	Val. E20017E N2 NF	17E	NF E 29-650C	N2
VI.244.20568ISO	Val. FUTURA 25E CO2 ISO5145 MED CROM.	25E	ISO5145	CO2 MED
VI.236.20540UNI	Val. FUTURA 25E CO2 UNI 11144/2 CROM	25E	UNI/2	CO2
VI.236.20673NF	Val. FUTURA 25E CO2 NF E29-653	25E	NF E29-659	CO2
VI.225.10604	Val. E30031.3x14 CONICAL C2H2 BRACKET	GC31,3X14	STAFFA	C2H2
VI.225.20601	Val. FUTURA 36.6x2 CONICAL C2H2 G5/8 L.	GC 36,6X2	G5/8 SX	C2H2
VI.225.20602	Val. FUTURA 36.6x2 CONICAL C2H2 BRACKET	GC 36,6X2	STAFFA	C2H2
VI.225.20603	Val. FUTURA 31.3x14 CONICAL C2H2 G5/8 L.	GC 31,3X14	UNI7F - NFA	C2H2
VI.225.10604DIN	Val. E300GC31.3x14" C2H2 BRACKET DIN477	GC 31,3X14	DIN 3	C2H2
VI.244.20569UNI	Val. FUTURA 25E C2H2 BRACKET UNI 11144/7S	25E	UNI/7S	C2H2
VI.244.20405	Val. FUTURA 25E NF E29-658 (C2H2 I.)	25E	NF E29-658	C2H2
VI.244.20402UNI	Val. FUTURA 25E ARIA UNI 11144/6 CROM.	25E	UNI/6	ARIA
VI.244.20402NF	Val. FUTURA 25E Air NF 24X2	25E	NF E29-650/B	ARIA
VI.244.20533DIN	Val. FUTURA 25E AIR DIN477/5300bar	25E	DIN13	ARIA
VI.244.20543DIN	Val. FUTURA 25E AIR DIN 200bar	25E	DIN13	ARIA
VI.244.20403UNI	Val. FUTURA 25E Ar-He UNI 11144/8	25E	UNI/8	Ar-He
VI.236.20522UNI	Val. FUTURA 25E H2 UNI 11144/1	25E	UNI/1H	H2

INDUSTRIAL VALVE FUTURA OUTLET UNI G 25E, 300 BAR

SERIES VI.200

300bar

FUTURA Valves for high pressure industrial and pure gas cylinders.

REFERENCE LEGISLATIVE STANDARDS

π1370 Directive 2010/35/UE/(TPED)

REFERENCE TECHNICAL STANDARDS

UNI EN ISO 10297

PERFORMANCE

Gas	O2/Air/N2O/CO2/SO2
Inlet pressure	300 Bar
Operating temperature	-45° C +65°C

MATERIALS

Body	Chromed brass -CW617N-UNI EN 12165
Shutter	PEEK with brass put
Valve seat hole for O2/N2Arg	diam. 4 mm
O-ring	EPDM
Valve knob	Painted aluminum

CONNECTIONS

Cylinder connection	25E - 17E
Outlet	ISO 5145
Dip tube connection	M10x1

ACCESSORY DEVICES

Dip tubes in Aluminum

Dip tubes in Stainless steel

DIMENSIONS AND WEIGHT

Dimensions	120 x 60 x 52 mm
Weight	0,65Kg

SAFETY DEVICES

Pressure relief valve (CO2-N2O)

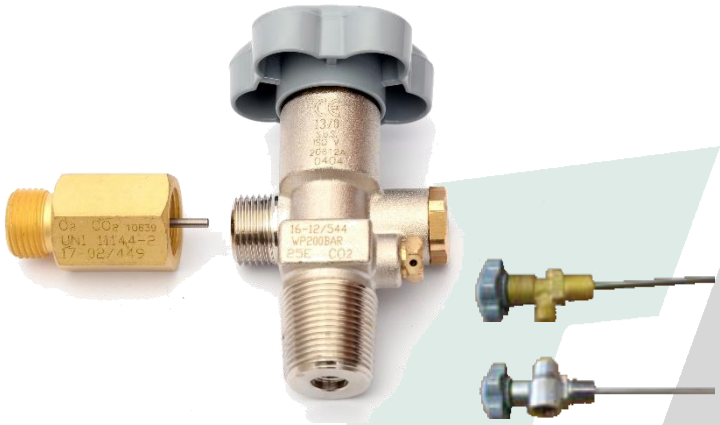
DOCUMENTATION

Declaration of Conformity and Instruction of Use

Code	Description	Inlet	outlet	Gas
VI.244.20400ISO	Val. FUTURA 25E 30BAR INERT ISO 5145	25E	ISO 5145	INERTI
VI.244.20401ISO	Val. FUTURA 25E 30BAR OSS. ISO 5145	25E	ISO 5145	O2

FUTURA RESIDUAL VALVES 25E

SERIES VI.400



Residual valves mod. FUTURA in chromed brass is for high pressure cylinders. This valve is equipped with a positive pressure residual system with the specific function of preventing the penetration of all molecules foreign to the gas found in the cylinder, leaving a residual gas of approximately 3 bar.

CO.400 ADAPTER FOR FUTURA VALVE

High pressure brass body with stainless steel tip.

Connections are according to UNI/NF/BS/DIN standards.

REFERENCE LEGISLATIVE STANDARDS

π1370 Directive 2010/35/UE/(TPED)

REFERENCE TECHNICAL STANDARDS

UNI EN ISO 10297

PERFORMANCE

Gas	O2/Air/N2O/CO2
Inlet pressure	230 Bar
Operating temperature	-45° C +65°C
Test operating pressure	276 bar (CO2-N20 excluded)
Residual pressure	2,5/4bar

MATERIALS

Body	Chromed brass -CW617N-UNI EN 12165
Shutter	Nylon with brass pit
Valve seat hole for O2/N2Arg	diam. 4 mm
Valve seat hole for CO2	diam. 5,2 mm
O-ring	EPDM
Knob	Grey painted aluminum

CONNECTIONS

Inlet	25 E – 17E
Outlet	UNI - NF - DIN - BS - CGA
Filling fitting	UNI 11144/2 (Med. Oxygen) UNI 11144/6 (Med. Air) UNI 11144/10 (Med. CO2)
Dip tube connection	M10x1

DIMENSIONS AND WEIGHT

Dimensions	120 x 60 x 52 mm
Weight	0,75Kg

ACCESSORY DEVICES

Charge adapter

SAFETY DEVICES

Pressure relief valve (CO2-N2O)

DOCUMENTATION

Declaration of Conformity and Instruction for Use

Code	Description	Inlet	outlet	Gas
VI.448.20610BS	Val. FUTURA 25E Ar-He BS3 RES.	25E	BS3	Ar-He
VI.448.20610DIN6	Val. FUTURA 25E Ar-He DIN6 RES.	25E	DIN6	Ar-He
VI.448.20610UNI	Val. FUTURA 25E Ar-He UNI 11144/8 RES.	25E	UNI/8	Ar-He
VI.448.20610ES	VAL.FUT 25E Ar-He 21.7X1/14" SPAGNA RES.	25E	UNE C	Ar-He
VI.448.20611DIN6	Val. FUTURA 25E O2 DIN6 RES.	25E	DIN6	O2
VI.448.20611UNI	Val. FUTURA 25E O2 UNI 11144/2 RES.	25E	UNI/2	O2
VI.448.20612UNI	Val. FUTURA 25E CO2 UNI 11144/2 RES.	25E	UNI/2	CO2
VI.448.20612UNI	Val. FUTURA 25E CO2 UNI 11144/2 RES.	25E	UNI/2	CO2
VI.448.20613UNI	Val. FUTURA 25E N2 UNI 11144/5 RES.	25E	UNI/5	N2
VI.448.20616UNI	Val. F.PACCHI 25E N2 UNI 11144/5 RES.	25E	UNI/5	N2
VI.448.20617UNI	Val. FUTURA 25E ARIA UNI 11144 RES.	25E	UNI/6	ARIA
VI.448.20618UNI	Val. FUTURA 25E CO2 UNI 11144 MED. Res.	25E	UNI/10	CO2 MED
VI.448.20630NF	Val. FUTURA 25E Ar-He-N2 NF E29-653 RES.	25E	NF E29-656	N2 Ar-He
VI.448.20631NF	Val. FUTURA 25E CO2 NF E29-653 RES.	25E	NF E29-656	CO2
VI.448.20632NF	Val. FUTURA 25E O2 NF E29-656 RES.	25E	NF E29-656	O2
VI.448.20634UNI	Val. FUTURA 25E H2 UNI 11144/1 RES.	25E	UNI/2	H2
VI.448.20635DIN	Val. FUTURA 25E CO2 DIN 477/6 RES.	25E	DIN6	CO2
VI.470.20612UNI	Val. FUTURA 25E CO2 UNI 11144/2 RES. New	25E	UNI/2	CO2
VI.470.20622UNI	VAL.FUTURA 17E CO2 UNI 11144/2 RES. NEW	17E	UNI/2	CO2
VI.448.20615UNI	Val. FUTURA 17E O2 UNI 11144/2 RES.	17E	UNI/2	O2
VI.448.20633UNI	Val. FUTURA 17E N2 UNI 11144/5 RES.	17E	UNI/5	N2
CO.100.10638	ADAPTER FOR FUTURA RES N2	UNI 5	0,00	N2
CO.100.10639	ADAPTER FOR FUTURA RES O2-CO2 UNI	UNI 2	0,00	O2 CO2
CO.100.10640	ADAPTER FOR FUTURA RES Ar-He	UNI 8	0,00	Ar-He

FUTURA RESIDUAL VALVE 17E 18X1,5

SERIES VI.400

RE

Residual valves mod. FUTURA in chromed brass for high pressure cylinders. This valve is equipped with a positive pressure residual system with the specific function that prevents from the penetration of all molecules foreign to the gas found in the cylinder, leaving a residual gas of approximately 3 bar.

Adapter for FUTURA Valve
High pressure brass body with stainless steel tip. Connection according to UNI/NF/BS/DIN standards

REFERENCE LEGISLATIVE STANDARDS
π1370 Directive 2010/35/UE/(TPED)
REFERENCE TECHNICAL STANDARDS
UNI EN ISO 10297
PERFORMANCE
Gas O2/Air/N2O/CO2
Inlet pressure 230 Bar
Operating temperature -45° C +65°C
Test operating pressure 276 bar
(CO2 -N20 excluded)
Residual pressure 2,5/4bar
MATERIALS
Body Chromed-brass CW617N-UNI EN 12165
Shutter Nylon with brass pit
Valve seat hole for O2/N2Arg diam. 4 mm
Valve seat hole for CO2 diam. 5,2 mm
O-ring EPDM
Knob Grey painted aluminum
CONNECTIONS
Inlet 25 E – 17E
Outlet UNI - NF - DIN - BS - CGA
Filling fitting UNI 11144/2 (Med. Oxygen)
UNI 11144/6 (Med. Air)
UNI 11144/10 (Med. CO2)
Dip tube connection M10x1
DIMENSIONS AND WEIGHT
Dimension 120 x 60 x 52 mm
Weight 0,75Kg
ACCESSORY DEVICES
Charge adapter
SAFETY DEVICES
Pressure relief valve (CO2-N2O)
DOCUMENTATION
Declaration of Conformity and Instruction of Use

Code	Description	Inlet	outlet	Gas
VI.448.20599NF	Val. FUTURA 17E CO2 NF E29-653 RES.	17E	NF E29-653	CO2
VI.448.20614NF	Val. FUTURA 17E O2 NF E29-656 RES.	17E	NF E29-653	O2
VI.448.20615	Val. FUTURA 17E UNI 11144/2 (O2) res	17E	UNI/2	O2
VI.448.20615DIN6	Val. FUTURA 17E O2 DIN 6 RES.	17E	DIN6	O2
VI.448.20615UNI	Val. FUTURA 17E O2 UNI 11144/2 RES.	17E	UNI/2	O2
VI.448.20619UNI	Val. FUTURA 17E CO2 UNI 11144 MED RES.	17E	UNI/10	CO2 MED
VI.448.20620UNI	Val. FUTURA 17E N2O UNI 11144 RES.	17E	UNI/9	N2O
VI.448.20621NF	Val. FUTURA 17E CO2 NF MED RES.	17E	E29-656 MED	CO2 MED
VI.448.20633UNI	Val. FUTURA 17E N2 UNI 11144/5 RES.	17E	UNI/5	N2
VI.470.20622UNI	VAL.FUTURA 17E CO2 UNI 11144/2 RES. NEW	17E	UNI/2	CO2
CO.100.10638	ADAPTER FOR FUTURA RES N2	UNI 5	0	N2
CO.100.10639	ADAPTER FOR FUTURA RES O2-CO2 UNI	UNI 2	0	O2 CO2
CO.100.10640	ADAPTER FOR FUTURA RES Ar-He	UNI 8	0	Ar-He

CO2 VALVES AND DUAL-PHASE MIXTURES

SERIES VI.400

REFERENCE LEGISLATIVE STANDARDS

π1370	Directive 2010/35/UE/(TPED)

REFERENCE TECHNICAL STANDARDS

UNI EN ISO 10297

PERFORMANCE

Gas	O2/Air/N2O/CO2
Inlet pressure	230 Bar
Operating temperature	-45° C +65°C
Test operating pressure	276 bar (CO2 -N20 excluded)
Residual pressure	2,5/4bar

MATERIALS

Body	Chromed-brass CW617N-UNI EN 12165
Shutter	Nylon with brass pit
Valve seat hole for O2/N2Arg	diam. 4 mm
Valve seat hole for CO2	diam. 5,2 mm
O-ring	EPDM
Knob	Grey painted aluminum

CONNECTIONS

Inlet	25 E – 17E
Outlet	UNI 11144/2
Filling fitting	UNI 11144/2
Dip tube connection	M10x1

DIMENSIONS AND WEIGHT

Dimensions	120 x 60 x 52 mm
Weight	0,75Kg

ACCESSORY DEVICES

Dip tube, Cap

SAFETY DEVICES

Pressure relief valve (CO2-N2O)

DOCUMENTATION

Declaration of Conformity and Instructions of Use

This device is specially designed and created for the use of the R744 (CO2) refrigerant fluid with the possibility of withdrawing the liquid phase through the predisposition for the assembly of the dip tube, and the gaseous phase. Combined with suitable connections it can also be used in the compressed air supply of screwdrivers for the motorsport and automotive sectors as it guarantees, thanks to its generous cross sections, high flow rates.

Code	Description	Inlet	outlet	Size	Gas
VI.371.20800	Val. FUTURA 25E DOUBLE PHASE 21.7	25E	2 x UNI2	0	CO2
2035	FISHING TUBE 10X,1 SP.10X1,5 1118 MM.	M10	0,00	111	0
2038	FISHING TUBE 10X,1 SP.10X1,5 135MM.	M10	0,00	135	0
2036	FISHING TUBE 10X,1 SP.10X1,5 740MM.	M10	0,00	74	0

EURO 2000 CHROMED VALVE, OUTLET UNI G. 17E M18X1,5

SERIES VI.1

Euro 2000 valve in chromed brass for industrial and pure gas cylinders with 17 E connection. Compact device suitable for application on small-sized cylinders.

.

REFERENCE LEGISLATIVE STANDARDS

π1370	Directive 2010/35/UE/(TPED)

REFERENCE TECHNICAL STANDARDS

UNI EN ISO 10297

PERFORMANCE

Gas	O^2/Air/N^2O/CO^2
Inlet pressure	230 Bar
Operating temperature	-45° C +65°C
Test operating pressure	276 bar (CO2 -N20
excluded)	
Single test	

MATERIALS

Body	Chromed brass-CW617N-UNI EN 12165
Shutter	Nylon
Seat hole	2,4 mm.
O-ring	EPDM
Valve knob	Nylon

CONNECTIONS

Inlet	25 E
Outlet	UNI - NF - DIN - BS - CGA
Dip tube connection	M6x1

DIMENSIONS AND WEIGHT

Dimensions	95 x 45 x 40 mm
Weight	0,645Kg

SAFETY DEVICES

Pressure relief valve (CO2-N2O)

DOCUMENTATION

Declaration of Conformity and Instructions of Use

Code	Description	Inlet	outlet	Gas
VI.126.10860	Val. E200RID. 17E H2-PROPANE UNI	17E	UNI/1H	H2
VI.123.10743	Val. E20017E Ar-He UNI	17E	UNI/8	Ar-He
VI.123.10745	Val. E20017E AIR DIN 200bar	17E	DIN13	ARIA
VI.123.10746	Val. E20017E O2 DIN 477/9	17E	DIN9	O2
VI.123.10747	Val. E20017E AIR DIN 300bar	17E	DIN13	ARIA
VI.123.10752	Val. E20017E CO2 MEDICAL UNI	17E	UNI 10	CO2
VI.123.10755	Val. E20017E N2 UNI	17E	UNI/5	N2
VI.123.10755NF	Val. E20017E N2 NF	17E	NF E 29-650C	N2
VI.126.10861	Val. E200RID. 17E O2 UNI	17E	UNI 2	O2
VI.123.10746	Val. E20017E O2 DIN 477/9	17E	DIN9	O2
VI.123.10740	Val. E20017E O2 BS341/3	17E	BS.341/3	O2
VI.123.10754	Val. E20017E O2 NF	17E	NF B	O2
VI.126.10861DIN6	Val. E200RID. 17E O2 DIN6	17E	DIN6	O2
VI.126.10863	Val. E200RID. 17E CO2 UNI C/DISP.	17E	UNI/2	CO2
VI.123.10751	Val. E20018X1.5 AIRTYPE 6W27X2 C-DISP	M18x1,5	0,00	ARIA
VI.123.10756D	Val. E200M18xARIA DIN 200bar WITH DISP	M18x1,5	DIN13	ARIA
VI.123.10757D	Val. E200M18x1.5 AIR DIN 300bar C/DISP	M18x1,5	DIN13	ARIA
VI.123.10758	Val. E200M18x1.5 AIR DIN 200bar C/DISP	M18x1,5	DIN13	ARIA
VI.123.10759	Val. E200M18x1.5 AIR DIN 200bar C/DISP ...	17E	CGA540	O2
VI.126.10761	VAL.E200RID.17E CO2 DIN C/DISP.	17E	DIN6	CO2
VI.126.10863BS	Val. E200RID. 17E CO2 BS-8 C/DISP.	17E	BS 8	CO2

VALVES FOR BREATHING AIR

SERIES VI.123

REFERENCE LEGISLATIVE STANDARDS

π1370	Directive 2010/35/UE/(TPED)

REFERENCE TECHNICAL STANDARDS

UNI EN ISO 10297

PERFORMANCE

Gas	Air
Inlet pressure	200/300 Bar
Operating temperature	-45° C +65°C
Test operating pressure	300/450 bar
Single test	

MATERIALS

Body	Chromed brass-CW617N-UNI EN 12165
Shutter	Nylon with brass pit
Seat hole	2,4 mm.
O-ring	EPDM
Knob	Nylon

CONNECTIONS

Inlet	17 E-181,5 -M25X2EN144-1
Outlet	EN144-1-2
Dip tube connection	M8X1

DIMENSIONS AND WEIGHT

Dimensions	95 x 45 x 40 mm
Weight	0,645Kg

SAFETY DEVICES

High pressure gauge

DOCUMENTATION

Declaration of Conformity and Instructions of Use

Euro 2000 valve in chromed brass for breathing air with high pressure gauge.

This compact device is suitable for application on small cylinders.

Code	Description	Inlet	outlet	Gas
VI.123.10741	Val. E200M18x1.5 AIR W30x14 UNI	M18x1,5	UNI/6	ARIA
VI.123.10745	Val. E20017E AIR DIN 200bar	17E	DIN13	ARIA
VI.123.10747	Val. E20017E AIR DIN 300bar	17E	DIN13	ARIA
VI.150.10736	Val. E20017E AIR DIN 200bar W/GAUGE	17E	DIN13	ARIA
VI.150.10735	Val. E20017E AIR DIN 300bar W/GAUGE	17E	DIN13	ARIA
VI.123.10748	Val. E20017E ARIA W30x14 UNI	17E	UNI 6	ARIA
VI.123.10756	Val. E200M18x1.5 AIR DIN 200bar	M18x1,5	DIN13	ARIA
VI.123.10757	Val. E200M18x1.5 AIR DIN 300bar	M18x1,5	DIN13	ARIA
VI.150.10737	Val. E200M18x1.5 AIR DIN 200bar W/GAUGE	M18x1,5	DIN13	ARIA
VI.150.10739	Val. E200M18x1.5 AIR DIN 300bar W/MAN	M18x1,5	DIN13	ARIA
VI.244.20543DIN	Val. FUTURA 25E AIR DIN 200bar	25E	DIN13	ARIA
VI.244.20533DIN	Val. FUTURA 25E AIR DIN477/5300bar	25E	DIN13	ARIA
VI.244.20545EN	Val. FUTURA 25E ARIA EN144 300bar	25E	DIN13	ARIA
VS.164.18036	VALVE VERT. M25x2 DIN232 bar	M25X2		ARIA
VS.164.18035	VALVE VERT M25X2 DIN30bar	M25X2		ARIA

VALVE FOR BREATHING AIR WITH LATERAL KNOB

SERIES VI.123

Euro 2000 valve in chromed brass for breathing air with high pressure gauge.
This compact device is suitable for application on small cylinders.

REFERENCE LEGISLATIVE STANDARDS

π1370	Directive 2010/35/UE/(TPED)

REFERENCE TECHNICAL STANDARDS

UNI EN ISO 10297

PERFORMANCE

Gas	Air
Inlet pressure	230/300 Bar
Operating temperature	-45° C +65°C
Test operating pressure	300/450 bar
Single unit test	

MATERIALS

Body	Chromed-brass CW617N-UNI EN 12165
Shutter	Nylon with brass tip
Seat hole	2,4 mm.
O-ring	EPDM
Valve knob	Nylon

CONNECTIONS

Inlet	17 E-181,5 -M25X2EN144-1
Outlet	EN144-1-2
Dip tube connection	M8X1

DIMENSIONS AND WEIGHT

Dimension	95 x 45 x 40 mm
Weight	0,645Kg

SAFETY DEVICES

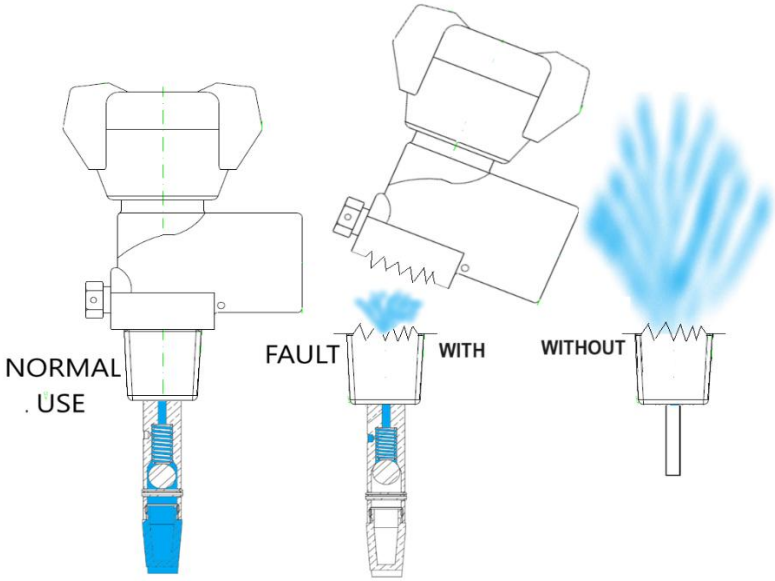
High pressure gauge

DOCUMENTATION

Declaration of Conformity and Instructions of Use

Code	Description	Inlet	outlet	Gas
VI.150.10737L	Val. SIDEH. M18x1.5 AIR DIN 200bar W/MAN	M18x1,5	DIN13	ARIA
VI.150.10739L	Val. SIDEH. M18x1.5 AIR DIN 300bar W/MAN	M18x1,5	DIN13	ARIA
VI.151.10756L	Val. SIDE HANDLE M18x1.5 AIR DIN 200bar	M18x1,5	DIN13	ARIA
VI.151.10757L	Val. SIDE HANDLE M18x1.5 AIR DIN 300bar	M18x1,5	DIN13	ARIA

EXTRA FLOW SAFETY DIP TUBE



This safety valve intervenes should the valve break or be damaged, reducing the amount of air outflow, preventing the cylinder from moving and creating danger to people and property

Code	Description	Inlet
2030	FISHING TUBE EX FLOW M6X0,75	M6
2030A	FISHING TUBE EX FLOW M8X0,75	M8

SAFETY: LIMITS GAS OUTPUT IN THE EVENT OF A VALVE RUPTURE

SINTERED FILTERS, CAPS AND KNOBS

Code	Description
1978	FISHING TUBE W/BRONZE FILTER
1144	CAP G5/8
1152	CAP G5/8 30BAR
1023	BLUE RUBBER HANDWHEEL 300BAR (3 WINGS)
1023A	BLACK RUBBER HANDWHEEL 300BAR (3 WINGS)
1027	BLACK PVC FLYER 300BAR

Np = Net price

DIP TUBES

Code	Description	Inlet	Dimensions	Gas
1039	DIP TUBE M6x0.75 BRASS	M6	50	
1978	DIP TUBE W/BRONZE FILTER	M6	49	
2039	DIP TUBE M6X0.75 CLOSED WITH HOLE	M6	40	
2036	DIP TUBE 10X,1 SP.10X1,5 740MM.	M10	740	
2038	DIP TUBE 10X,1 SP.10X1,5 1350 MM.	M10	1.350	
2035	DIP TUBE 10X,1 SP.10X1,5 1118 MM.	M10	1.118	

STEEL CAP FOR CYLINDERS

SERIES DCAPP

REFERENCE TECHNICAL STANDARDS

EN ISO 11117

TECHNICAL FEATURES

MATERIALS

Body	Galvanized steel

CONNECTIONS

To the cylinder	through mouting key

ADAPTABILITY

To all cylinders with a 5 -50 lt capability

DIFFERENT VERSIONS

Tulip cap, galvanized steel open on both sides.

Closed cap, gray painted steel.

Black tulip cap. Galvanized steel open on one side.

Other colors and brands customizable on request.

SAFETY

Fall test	EN ISO 11117

ACCESSORY DEVICES

Mounting keys

Steel protective cap for valves to be applied to cylinders from 5 to 50 litres.

Key for mounting the protection

Code	Description
CO.100.18100	FULL ROUND IRON CAP
CO.100.18103	TULIP CAP ACC. ZINC. AP.2LA
CO.100.18104	TULIP CAP C/VITE ACC. ZINC. AP.2LA
CO.100.18103CHIAV	CAP KEY

ABS TULIP CAP FOR CYLINDERS

SERIES DCAPP

ABS cap in accordance with EN ISO 11117 for all cylinders with a 0,5-14lt capacity.

REFERENCE TECHNICAL STANDARDS

EN ISO 11117

TECHNICAL FEATURES

MATERIALS

Body ABS

CONNECTIONS

To the cylinders through thread

ADAPTABILTY

To all cylinders with a 0,5-14lt capacity

VERSIONS

Black version

Coloured version White, blue, light blue, yellow, red

SAFETY

Fall test EN ISO 11117

ACCESSORY DEVICES

Lock ring nut for caps

Code	Description
CO.100.18105	BLACK TULIP PLASTIC CAP
CO.100.18106	WHITE TULIP PLASTIC CAP
CO.100.18107	BLUE TULIP PLASTIC CAP
CO.100.18108	ORANGE TULIP PLASTIC CAP
2107A	CYLINDER RING NUT Ø TO SIZE FOR COP. TULIP
2107	CYLINDER RING NUT Ø 24 FOR COP. TULIP

PROTECTIVE COVER FOR 25E SNAP REDUCING VALVE

SERIES CO.100

REFERENCE TECHNICAL STANDARDS

EN ISO 11117

TECHNICAL FEATURES

MATERIALS

Body Nylon

CONNECTIONS

To the cylinder through 5 stainless steel screws

ADATTABILITY

To all the cylinders with capacity between 0,5 -14 lt

DIFFERENT VERSIONS

Black goblet-shaped cover
Universal black cover
Customizable color and branding

SAFETY

Fall test EN ISO 11117
Fire resistance rating V2

ACCESSORY DEVICES

Hooks for stretcher
ABS ring

Protective cover that protects the valve group, guaranteeing maximum safety during transport and in the event of the cylinder falling. For cylinders with a capacity of 0.5-14 liters with ring nut.

Code	Description
CO.100.18065	GHIERA BOMBOLA PER COP. Ø A MISURA
CO.100.18065NEW	COVER X GRUPPO NEW BLACK
2107A	CYLINDER RING NUT Ø TO SIZE FOR COP. TULIP
2107	CYLINDER RING NUT Ø 24 FOR COP. TULIP

PROTECTIVE COVER FOR COMBITEK GROUP

DOUBLE PHASE FUTURA VALVE

SERIES CO.100

It protects and repairs the unit in case the cylinder falls while operations such as welding or cutting are carried out.
The large knob facilitates handling of the cylinder. Painted aluminum structure complete with fixing ring.

REFERENCE TECHNICAL STANDARDS

EN ISO 11117

TECHNICAL FEATURES

MATERIALS

Body — Painted aluminum

CONNECTION

To the cylinder — 7 stainless steel screws

ADAPTABILITY

To all cylinders up to 50lt capacity

DIFFERENT VERSIONS

Different colors are available, customizable logos

SAFETY

Fall test — EN ISO 11117

ACCESSORY DEVICES

Aluminium fixing ring

Code	Description
CO.100.18091	COVER COMBITEK ALUMINIUM NEW

MINI REDUCER WITH PRESSURE GAUGE FOR HELIUM BALLOON INFLATORS

SERIES RI.300

Brass body with over pressure valve, 5 bar outlet pressure with on-call hose holder.

REFERENCE TECHNICAL STANDARDS

EN ISO 2503

APPLICATION

For inflating balloons

TECHICAL FEATURES

PERFORMANCE

Gas	Helium
Inlet pressure	230 Bar Max
	with hose holder to be pressed
Operating temperature	-15° C +60°C

MATERIALS

Body	Brass -CW617N-UNI EN 12165
Diaphragm	Piston
Filter	in bronze placed inside the inlet connection

GAUGE

ISO 5171 diam. 40 mm, class 2.5 (on demand*)

High Pressure gauge	Full scale 0/315 bar *

CONNECTIONS

Inlet	UNI - NF - DIN - BS - CGA
Outlet	Hose holder with black rubber

SAFETY DEVICES

Over pressure valve

SAFETY

Single unit test

On-call hose holder

Code	Description	Inlet	outlet	Gas
RI.300.12020	MINI Ar-He REDUCER FOR W/GAUGE BALLOONS	UNI 8	On CALL Hose Holder	Ar-He
RI.300.12020DIN	MINI REDUCER DIN124,32 PAL W/GAUGE	DIN 6	On CALL Hose Holder	Ar-He
RI.300.12021	MINI Ar-He REDUCER FOR BALLS	UNI 8	On CALL Hose Holder	Ar-He
RI.300.12021BS	MINI Ar-He BS REDUCER FOR BALLOONS	BS 3	On CALL Hose Holder	Ar-He
RI.300.12021DIN	MINI Ar-He REDUCER FOR BALLS	DIN 6	On CALL Hose Holder	Ar-He
RI.300.12022NF	MINI Ar-He 21.7 NF REDUCER FOR BALLOONS	AFNOR C	On CALL Hose Holder	Ar-He

PRESSURE METER

SERIES CO.629

The pressure meter allows to check the pressure in the cylinder in the event of doubt.

APPLICATION

High pressure control of the cylinder

TECHNICAL FEATURES

PERFORMANCE

Gas	O2-N2-H2-Ar/He/MIX/Air-N2O-AD
Inlet pressure	230 Bar Max
Operating temperature	-15° +60°

MATERIALS

Body	Brass -CW617N-UNI EN 12165

GAUGE

Gauge	Full scale 0/400 bar
ISO 5171 diam. 63 mm, class 2.5	
Gauge cover	Colored Nylon

CONNECTIONS

Inlet	UNI - NF - DIN - BS - CGA
Of the reducer	Swivel connection with o-ring

SAFETY

Single unit test

Code	Description	Inlet	Gas
CO.629.18151	PRESSURE MEASUREMENT O2	UNI 2	O2
CO.629.18151DIN	PRESSURE MEASUREMENT O2 STANDARD DIN G3/4"	DIN 9	O2
CO.629.18151NF	PRESSURE MEASUREMENT O2NF	NF B	O2
CO.629.18151NTX	PRESSURE MEASUREMENT NITROX 26X2	NITROX	0
CO.629.18152	PRESSURE MEASUREMENT N2	UNI 5	N2
CO.629.18152NF	MISURA PRESSIONE N2 NF	AFNOR C	N2
CO.629.18153	PRESSURE MEASUREMENT Ar-He	UNI 8	Ar-He
CO.629.18153BS	PRESSURE MEASUREMENT Ar-He BS-3	BS 3	Ar-He
CO.629.18153NF	PRESSURE MEASUREMENT Ar-HeNF	AFNOR C	Ar-He
CO.629.18154	PRESSURE MEASUREMENT N2O	UNI9	0
CO.629.18155	AIR PRESSURE MEASUREMENT	UNI 6	ARIA
CO.629.18156	PRESSURE MEASUREMENT H2	UNI 1H	H2
CO.629.18157	CO2 MED PRESSURE MEASUREMENT	CO2 MED	CO2 MED
CO.629.18158	PRESSURE MEASUREMENT C2H2 BRACKET	UNI 7S	C2H2
CO.629.18159	PRESSURE MEASUREMENT C2H2 G5/8SIN	AFNOR A/H	C2H2

1ST STAGE PRESSURE REDUCER FOR PURE GASES

SERIES RO.200

Single stage pressure reducer. Used for pure or food gases.
It can be equipped with a hose holder outlet or connection with a 6-8mm tube cone connection.

SAFETY DEVICES
Overpressure safety valve
Single unit test
Sinter filter
Single integrated body
TRACEABILITY
Serial number marked on the valve body
DOCUMENTATION
Declaration of Conformity and Instruction for Use

REFERENCE TECHNICAL STANDARDS
EN ISO 2503
TECHNICAL FEATURES
PERFORMANCE

Gas	MIX AR/HE N2 O^2, Air , N^2O, CO^2
Inlet pressure	230 bar (on request 300 bar)
Outlet pressure	adjustable 0-4 bar
Operating temperature	-20° C +50°C

MATERIALS

Body	Chromed-brass CW617N-UNI EN 12165
Piston	Ottone e P.A.6.6

GAUGE

	0-315 Bar
Full scale	0-315 bar
LP	0-16 bar
Accuracy class	2.5
Diameter	50 mm.
Fitting	1/8" G.C

CONNECTIONS

Outlet	Perpendicular to the inlet connection 9/16 and hose holder 6 mm. Connection with 6 or 8 mm tube cone

DIMENSIONS AND WEIGHT

Dimension	130 x 120 x 190 mm.
Weight	1,130 kg.

Code	Description	Inlet	Max inlet pressure	max outlet pressure	flow capacity	Gas
RO.200.12110	REDUCER 1° STADIO 2MAN. O2 MEM. STAINLESS STEEL G.P.	UNI 2	230	8,0	16,8	O2
RO.200.12111	REDUCER 1° STADIO 2MAN. N2 MEM. STAINLESS STEEL G.P.	UNI 5	232	8,0	17,0	N2
RO.200.12111DIN	REDUCED. THE 2MAN STDS. N2 DIN1M.INOX G.P.	DIN10	230	8,0	17,0	N2
RO.200.12112	REDUCER 1° STADIO 2MAN. AIR MEM. STAINLESS STEEL G.P.	UNI 13	230	8,0	17,0	ARIA
RO.200.12113	REDUCER 1° STADIO 2MAN. Ar-He MEM. STAINLESS STEEL G.P	UNI 8	230	8,0	22,8	Ar-He
RO.200.12114	REDUCER 1° STADIO 2MAN. H2 MEM. STAINLESS STEEL G.P.	UNI 1H	230	8,0	80,0	H2
RO.200.12114DIN	RIDUT 1° STADIO 2MAN. H2 DIN1 MEM. STAINLESS STEEL G.P	DIN1	230	8,0	80,0	H2
RO.200.12116	REDUCER 1° STADIO 2MAN. C2H2MEM STAFF. STAINLESS	UNI 1H	25	1,5	1,7	H2
RO.200.12116DIN	REDUCER 1° STADIO 2MAN. C2H2DIN BRACKET M.IN	DIN3	25	1,5	1,7	C2H2
RO.200.12117	REDUCER 1° STADIO.2MAN. AD FR MEMB. STAINLESS	UNI 2	25	1,5	1,7	0
RO.200.12117NF	REDUCER 1° STADIO 2MAN. C2H2 NF MEM. STAINLESS	AFNOR A/H	25	1,5	1,7	C2H2
RO.200.12118	REDUCER 1° STADIO 2MAN. CO2 MEM. STAINLESS STEEL G.P.	UNI 2	100	8,0	7,0	CO2
RO.200.12118DIN	REDUCE. THE 2MAN STDS. CO2 DIN 12 M.INO G.P.	DIN6	100	8,0	7,0	CO2

PURE GAS PRESSURE REDUCER WITH 2 STAGES

SERIES RO.200

The double stage allows finer and more constant pressure regulation
Double stage pressure reducer. Used for pure gases and food
It can be equipped with a hose connection oulet or a fitting with a 6 or 8 mm hose.

SAFETY DEVICES
Overpressure safety valve
Single unit test
Sinter filter
Single integrated body

TRACEABILITY
Serial number makred on the valve body

DOCUMENTATION
Declaration of Conformity and Instruction for use

REFERENCE TECHNICAL STANDARDS
EN ISO 2503

TECHNICAL FEATURES

PERFORMANCE

Gas	O2-N2-Ar-Helium-H2-Air-AD
Inlet pressure	230 bar - 25 bar
Outlet pressure	Adjustable 0-8 bar 0-1.5ba
Operating temperature	-20° C +50°C

MATERIALS

Body	Chromed brass CW617N-UNI EN 12165
Piston	Brass and P.A.6.6

GAUGES

Full scale	0-315 Bar 0-10 bar (low pressure)
Accuracy class	2.5
Diameter	50 mm.
Fitting	1/8" G.C

CONNECTIONS

Outlet	Perpendicular to the inlet connection 9/16 and hose holder 6 mm.
Socket	UNI AFNOR
Inlet connection	UNI 11144/2 (Med. Oxygen) UNI 11144/6 (Med. Air) UNI 11144/9 (Med. Nitrous Oxide) UNI 11144/10 (Med. Carbon Dioxide)

DIMENSIONS AND WEIGHT

Dimension	130 x 120 x 190 mm.
Weight	1,130 kg

Code	Description	Inlet	Max inlet pressure	max outlet pressure	flow capacity	Gas
RO.200.12180	REDUCER I1° STADIO 2MAN. M.INOX REG 0-8 O2	UNI 2	230	8,0	17,7	O2
RO.200.12180DIN10	REDUCER I1° STADIO 2MAN. M.INOX REG 0-8 O2	DIN10	230	8,0	17,7	O2
RO.200.12180DIN6	REDUCER I1° STADIO 2MAN. M.INOX REG 0-8 O2	DIN6	230	8,0	17,7	O2
RO.200.12180NF	REDUCER I1° STADIO 2MAN.M.IN REG 0-8 O2NF	AFNOR B	230	8,0	17,7	O2
RO.200.12180PIN	REDUCER I1° STADIO 2MAN. M.INOX REG 0-8 PI	PIN	230	8,0	17,7	O2
RO.200.12181	REDUCER I1° STADIO 2MAN. M.INOX REG 0-8 N2	UNI 5	230	8,0	18,2	N2
RO.200.12181-5BAR	RIDUTTORE 2 STD 2MAN.M.INOX REG 0-5 N2	UNI5	0	5,0	0,0	N2
RO.200.12181DIN10	REDUCER I1° STADIO 2MAN. M.INOX REG 0-8 N2	DIN10	230	8,0	18,2	N2
RO.200.12181NF	REDUCER I1° STADIO 2MAN. M.INOX 0-8 N2NF	AFNOR C	230	8,0	18,2	N2
RO.200.12182	REDUCER I1° STADIO 2MAN. M.INOX REG 0-8ARIA	UNI 6	230	8,0	18,2	N2
RO.200.12183	REDUCER I1° STADIO 2MAN. M.INOX REG 0-8 He	UNI 8	230	8,0	23,3	HE
RO.200.12184	REDUCER I1° STADIO 2MAN. M.INOX REG 0-8 H2	UNI 1H	230	8,0	80,0	H2

SECOND STAGE REDUCER

SERIES RO.200

Second stage pressure reducer.
Used to power pure gas and food gas systems.
It can be equipped with a hose holder outlet or a fitting with a 6 or 8 mm hose.

SERIES RO.300

REFERENCE TECHNICAL STANDARDS
UNI EN 10524-1
TECHNICAL FEATURES
PERFORMANCE

Gas	
Inlet pressure	20
Outlet pressure	Adjustable 0-5 bar
Operating temperature	-20° C +50°C

MATERIALS

Body	Chromed-brass CW617N-UNI EN 12165
Piston	Brass and P.A.6.6

GAUGE

Full scale	0-315 Bar 0-10 bar (low pressure)
Accuracy class	2.5
Diameter	50 mm.
Fitting	1/8” G.C

CONNECTIONS

Outlet	HOSE CLAMP Ø 6
Inlet	HOSE CLAMP Ø 6

DIMENSIONS AND WEIGHT

Dimension	130 x 120 x 190 mm.
Weight	1,130 kg

SAFETY DEVICES
Single unit test
Sinter filter
TRACEABILITY
Serial number marked on the valve body
DOCUMENTATION
Declaration of Conformity and Instruction for use

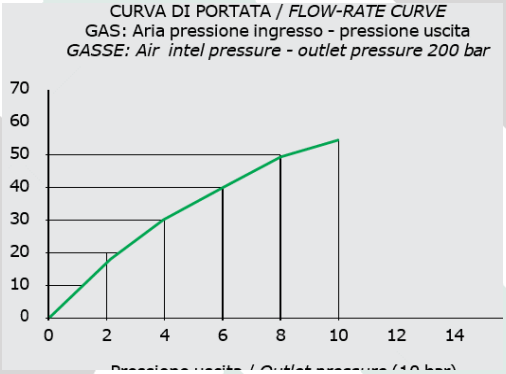
Code	Description	Inlet	Max inlet pressure	max outlet pressure	flow capacity
RO.200.12075	RIDUTTORE 2° STADIO N.COMB. Mem. STAINLESS STEEL 8bar	OGIVA Ø6	20	8,0	8,0
RO.200.12076	REDUCER OF 2°STD N.COMB MEM. STAINLESS STEEL 1.5b	OGIVA Ø6	20	1,5	2,5
RO.200.12077	2° STD COMB H2 MEM REDUCER. STAINLESS STEEL 8b	OGIVA Ø6	20	8,0	8,0
RO.200.12078	2° STD COMB MEM REDUCER. STAINLESS STEEL 1.5bar	OGIVA Ø6	20	1,5	2,5
RO.200.12079	2°STD REDUCER COM MEM. STAINLESS STEEL 1.5bC2H	OGIVA Ø6	2	1,5	1,7
RO.300.12200	PURE GAS OUTLET PLACE with ONE OUTLET	OGIVA Ø6	0	0,0	0,0

IMPER REDUCER

SERIES RI.132

Pressure reducers mod. IMPER for the use of industrial gases.

The adjustment with front knob is ideal for Cutting, Heating and Welding in medium applications.



REFERENCE TECHNICAL STANDARDS

Construction regulation EN ISO 2503

APPLICATION

Cutting, heating and welding

TECHNICAL FEATURES

PERFORMANCE

Gas	O2-N2-H2-Air
Inlet pressure	230 Bar Max
Outlet pressure	Adjustable 0/10 Bar
Flow rate	See Tab
Operating temperature	-15° +60°

MATERIALS

Body	Brass -CW617N-UNI EN 12165
Shutter	Hight pressure valve with PTFE seat
Valve bell	Brass -CW617N-UNI EN12165
Diaphragm	Neoprene diam. 50
Filter	in bronze placed inside the inlet connection

GAUGE

Gauge	ISO 5171 diam. 63 mm class 2.5
HP gauge	Full scale 0/315 bar
LP gauge	Full scale 0/15 bar

CONNECTIONS

Inlet	UNI - NF - DIN - BS - CGA
Outlet	3/8 G. with nut and conic hose holder for rubber tube 6/8 mm
For reducer	Connection with 6 or 8 mm tube cone

SAFETY DEVICES

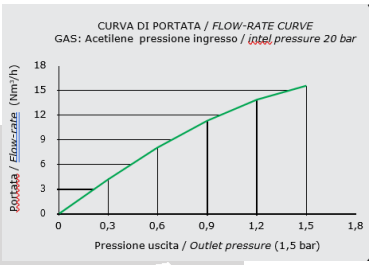
Over pressure safety valve for oxygen

SAFETY

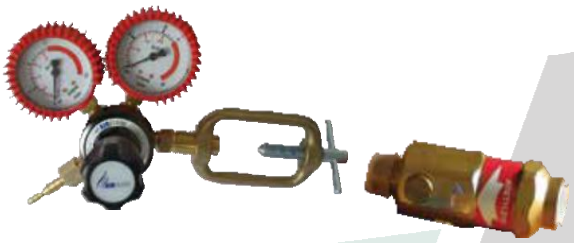
Single unit test

Code	Description	Inlet	outlet	flow capacity	Gas
RI.132.12500UNI	REDUCER IMPER O2 UNI	UNI 2	PG	55 m3/h	O2
RI.132.12500NF	IMPER O2 NF REDUCER	NF B	PG	55 m3/h	O2
RI.132.12500DIN	REDUCER IMPER O2 DIN G3/4	DIN 9	PG	55 m3/h	O2
RI.132.12505UNI	REDUCER IMPER N2 UNI	UNI 5	PG	55 m3/h	N2
RI.132.12505NF	IMPER N2 NF REDUCER	AFNOR C	PG	55 m3/h	N2
RI.132.12505DIN	REDUCER IMPER N2 DIN 124,32	DIN 10	PG	55 m3/h	N2
RI.132.12520UNI	REDUCER IMPER H2 UNI	UNI 1H	PG	55 m3/h	H2
RI.132.12520NF	IMPER H2 NF REDUCER	AFNOR E	PG	55 m3/h	H2
RI.132.12520DIN	REDUCER IMPER H2 DIN 21,7 SIN	DIN 1	PG	55 m3/h	H2
RI.200.13200	MISCELLANEOUS GAS SAFETY VALVE O2	UNI 2	3/8" Dx	45 m3/h	O2
RI.200.13202	SAFETY VALVE H2	3/8" Dx	3/8“ Dx	19m3/h	H2

REDUCER FOR ACETYLENE 1,5 BAR



SERIES RI.132



Pressure reducers mod. IMPER for the use of Acetylene gas in cylinders.
Pressure regulation is possible thanks to the front knob, which is ideal for cutting, heating and welding for medium applications, for 5-7lt cylinders.

Code	Description	Inlet	outlet	Max inlet pressure	max outlet pressure	flow capacity	Gas
RI.132.12530	IMPER REDUCER C2H2 BRACKET	STAFFA	PG	25Bar	1,5Bar	10,0	C2H2
RI.132.12530DIN	IMPER REDUCER C2H2 BRACKET DIN3	STAFFA DIN3	PG	25Bar	1,5Bar	10,0	C2H2
RI.132.12531	IMPER REDUCER C2H2 G5/8SIN	G5/8SIN	PG	25Bar	1,5Bar	10,0	C2H2

IMPER REDUCER WITH FLOW METER FOR ARGON CO2 MIXTURE

SERIES RI.132

Pressure reducer with hand flow meter for Mig - Mag - Tig welding. Flow rate is accurately delivered through calibrated output systems.

Code	Description	Inlet	outlet	flow capacity	Gas
RI.132.12535UNI	IMPER AR-HE UNI W/GAUGEOFL REDUCER.	UNI 8	PG	0-3lt/m	Ar-He
RI.132.12535NF	IMPER Ar-He NF W/GAUGEOFL REDUCER.	AFNOR C	PG	0-3lt/m	Ar-He
RI.132.12536UNI	IMPER CO2 UNI W/GAUGEOFL REDUCER.	UNI 2	PG	0-3lt/m	CO2

IMPER REDUCER WITH FLOW METER FOR ARGON CO2 MIXTURE

SERIES RI.132

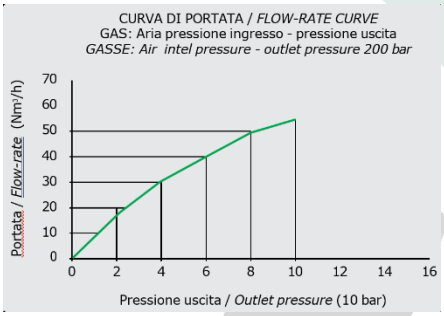
Pressure reducer with flow meter for Mig - Tig welding.
The flowmeter allows high precision with the dispensing flow.

Code	Description	Inlet	outlet	flow capacity	Gas
RI.132.12540UNI	IMPER REDUCER Ar-He UNI C/FLOW METER	UNI 8	PG	0-3lt/m	Ar-He
RI.132.12541UNI	IMPER CO2 UNI C/FLOW METER REDUCER	UNI 2	PG	0-3lt/m	CO2
RI.132.12540DIN6	IMPER Ar-He DIN6C REDUCER/FLOW METER	DIN 6	PG	0-3lt/m	Ar-He

VERTICAL IMPER REDUCER 300DIN

SERIES RI.169

Pressure reducers mod. IMPER for the use of industrial gases in cylinders. Regulation with vertical knob is ideal for Cutting, Heating and Welding for medium applications.



REFERENCE TECHNICAL STANDARDS

Construction Regulation EN ISO 2503

APPLICATIONS

Cutting, Heating and Welding

TECHNICAL FEATURES

PERFORMANCE

Gas	O2-N2-H2-Air
Inlet pressure	230 Bar Max
Outlet pressure	adjustable 0/10 Bar
Flow rate	see Tab.
Operating temperature	-15° +60°

MATERIALS

Body	Brass-CW617N-UNI EN 12165
Shutter	High pressure valve with PTFE seat
Valve bell	Painted Aluminum
Diaphragm	Neoprene 50 diam.
Filter	Bronze placed in the inlet connection

GAUGES

GAUGES	ISO 5171 diam. 63 mm class 2.5 M
HP gauge	Full scale 0/315 bar
LP gauge	Full scale 0/15 bar

CONNECTIONS

Inlet	UNI - NF - DIN - BS - CGA
Outlet	3/8 G. with nut and conical hose holder for 6/8 mm rubber hose
Fitting of reducer	Swivel connection with o-ring

SAFETY DEVICES

Pressure relief valve for Oxygen

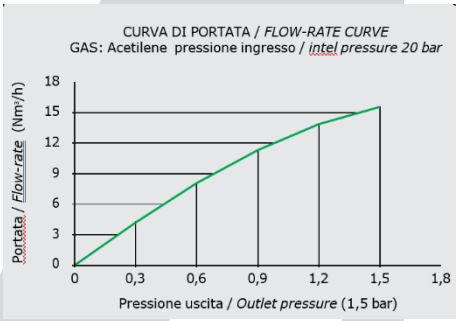
SAFETY

Single Unit test

Code	Description	Inlet	outlet	max outlet pressure	flow capacity	Gas
RI.169.14500DIN	REDUCER IMPER 300DIN O2 DIN9 10bar	DIN9	3/8G PG	0-1bar	50,0	O2
RI.169.14500DINJ	REDUCER IMPER 300DIN O2 DIN/6 10bar	DIN6	3/8G PG	0-1bar	50,0	O2
RI.169.14500NF	REDUCER IMPER 300DIN O2 NF 10bar	NF B	3/8G PG	0-1bar	50,0	O2
RI.169.14500UNI	REDUCER IMPER 300DIN O2 UNI 10bar	UNI 2	3/8G PG	0-1bar	50,0	O2
RI.169.14501DIN6	REDUCER IMPER 300DIN CO2 DIN6 10bar	DIN6	3/8G PG	0-1bar	50,0	CO2
RI.169.14501NF	REDUCER IMPER 300DIN CO2 NF 10bar	AFNOR C	3/8G PG	0-1bar	50,0	CO2
RI.169.14501UNI	REDUCER IMPER 300DIN CO2 UNI 10bar	UNI 2	3/8G PG	0-1bar	50,0	CO2
RI.169.14520DIN	IMPER REDUCER /1N2 DIN24,32 10bar	DIN10	3/8G PG	0-1bar	50,0	N2
RI.169.14520NF	REDUCER IMPER 300DIN N2 NF 10bar	AFNOR C	3/8G PG	0-1bar	50,0	N2
RI.169.14520UNI	REDUCER IMPER 300DIN N2 UNI 10bar	UNI 2	3/8G PG	0-1bar	50,0	N2
RI.169.14521UNI	REDUCED. IMPER 30N2 ALIM UNI 10bar	UNI 5	3/8G PG	0-1bar	50,0	N2
RI.169.14530UNI	REDUCER IMPER 300DIN N2 UNI 20bar	UNI 5	3/8G PG	0-1bar	50,0	N2
RI.169.14570NF	REDUCER IMPER 300DIN H2 NF 10bar	AFNOR E	3/8G PG	0-1bar	190,0	H2
RI.169.14570UNI	REDUCER IMPER 300DIN H2 UNI 10bar	UNI 1H	3/8G PG	0-1bar	190,0	H2
RI.169.14580DINRU	REDUCER IMPER 300DIN 10bar ARIA 3/4G	DIN 9	3/8G PG	0-1bar	50,0	ARIA
RI.169.14580NF	REDUCER IMPER 300DIN ARIA NF 10bar	NF B	3/8G PG	0-1bar	50,0	ARIA
RI.169.14580UNI	REDUCER IMPER 300DIN ARIA UNI 10bar	UNI 2	3/8G PG	0-1bar	50,0	ARIA
RI.169.14620UNI	REDUCER IMPER 300DIN N2 3BAR	UNI 5	3/8G PG	0-3bar	50,0	N2

IMPER REDUCER WITH MANOFLOWMETER FOR AR./HE

SERIES RI.169



Pressure reducer mod. IMPER for the use of Acetylene in cylinders.
Regulation with vertical knob is ideal for Cutting, Heating and Welding for medium applications.

Code	Description	Inlet	outlet	max outlet pressure	flow capacity	Gas
RI.169.14531	REDUCER IMPER 300DIN C2H2 UNI 0-1,5	UNI 7S	3/8G PG	0-1,5	15,0	C2H2
RI.169.14531DIN3	REDUCER IMPER 300DIN C2H2 DIN ST 0-2.5	DIN 3	3/8G PG	0-2,5	20,0	C2H2
RI.169.14531NF	REDUCER IMPER 300DIN C2H2 NF 0-2.5	AFNOR A/H	3/8G PG	0-2,5	20,0	C2H2
RI.169.14531UNI	REDUCER IMPER 300DIN C2H2 UNI 0-2.5	UNI 7S	3/8G PG	0-2,5	20,0	C2H2

IMPER REDUCER WITH MANOFLOWMETER FOR AR./CO2

SERIES RI.169

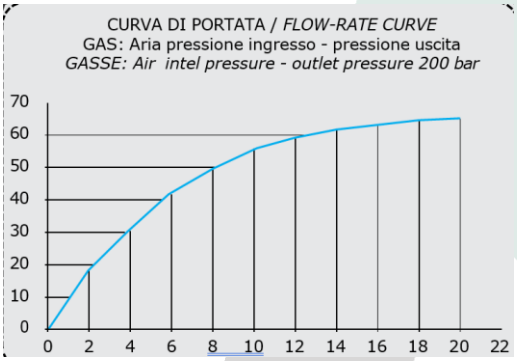
Pressure reducer with mano-flowmeter for Mig - Mag - Tig welding.
Flow rates accurately delivered by means of output systems calibrated precisely with the delivery flow.

	Description	Inlet	outlet	Max inlet pressure	flow capacity	Gas
RI.169.14540NF	REDUCER IMPER 300DIN Ar-He NF 0-30L/m	AFNOR C	3/8G PG	230Bar	0-3lt/m	Ar-He
RI.169.14540UNI	REDUCER IMPER 300DIN Ar-He UNI 0-30L/m	UNI 8	3/8G PG	230Bar	0-3lt/m	Ar-He
RI.169.14560DIN	REDUCER IMPER 300DIN CO2 DIN6 0-30L/m	DIN 6	3/8G PG	230Bar	0-3lt/m	CO2
RI.169.14560UNI	REDUCER IMPER 300DIN CO2 UNI 0-30L/m	UNI 2	3/8G PG	230Bar	0-3lt/m	CO2

IMPER REDUCER 20 BAR

SERIES RI.132

Pressure reducers for cylinders for high performance.



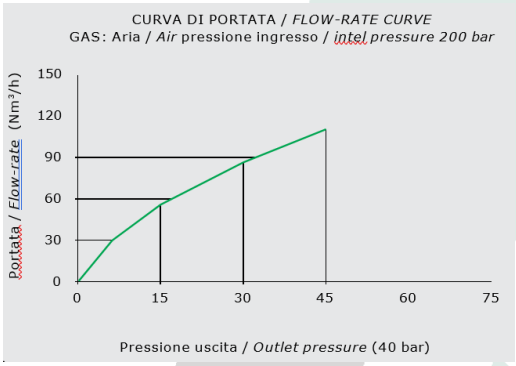
REFERENCE TECHNICAL STANDARDS
Construction regulation EN ISO 2503
APPLICATIONS
High performance
TECHNICAL FEATURES
PERFORMANCE
Gas O2-N2-H2-Air
Inlet pressure 230 Bar Max
Outlet pressure Adjustable 0/20 Bar
Rate flow See tab
Operating temperature -15° +60°
MATERIALS
Body Brass -CW617N-UNI EN 12165
Shutter High pressure valve with PTFE seat
Valve bell Anodized aluminum
Diaphragm Brass
Filter Bronze placed in the inlet connection
GAUGES
GAUGES ISO 5171 diam. 63 mm class 2.5
HP gauge Full scale 0/315 bar
LP gauge Full scale 0/20 bar
CONNECTIONS
Inlet UNI - NF - DIN - BS - CGA
Outlet 3/8 G. without nut and hose holder
Reducer connection Swivel connection with o-ring
SAFETY
Single Unit Test

Code	Description	Inlet	Outlet	Max inlet pressure	Flow capacity	Gas
RI.132.12600NF	REDUCER IMPER N2 NF 20bar	AFNOR C	3/8 G	230 Bar	60,0	N2
RI.132.12600UNI	REDUCER IMPER N2 UNI 20bar	UNI 5	3/8 G	230 Bar	60,0	N2
RI.132.12601NF	REDUCER IMPER O2 NF 20bar	NF B	3/8 G	230 Bar	60,0	O2
RI.132.12601UNI	REDUCER IMPER O2 UNI 20bar	UNI 2	3/8 G	230 Bar	60,0	O2
RI.132.12602BS	IMPER REDUCER AR/HE BS 20bar	BS 3	3/8 G	230 Bar	60,0	Ar-He
RI.132.12602UNI	REDUCER IMPER AR-HE UNI 20bar	UNI 8	3/8 G	230 Bar	60,0	Ar-He
RI.132.12617UNI	IMPER ARIA REDUCER UNI 20bar	UNI 6	3/8 G	230 Bar	60,0	ARIA
RI.132.12606UNI	REDUCER IMPER 30bar H2 UNI 20bar	UNI 1H	3/8 G	230 Bar	60,0	H2

IMPER REDUCER 40 BAR

SERIES RI.132

Pressure reducers for cylinders for high performance.



REFERENCE TECHNICAL STANDARDS

Construction regulation EN ISO 2503

APPLICATIONS

High performance

TECHNICAL FEATURES

PERFORMANCE

Gas	O2-N2-H2-Air
Inlet pressure	230 Bar Max
Outlet pressure	Adjustable 0/40 Bar
Rate flow	see tab
Operating temperature	-15° +60°

MATERIALS

Body	Brass -CW617N-UNI EN 12165
Shutter	High pressure valve with PTFE seat
Valve bell	Anodized aluminum
Diaphragm	Brass
Filter	Bronze placed in the inlet connection

GAUGES

GAUGES	ISO 5171 diam. 63 mm class 2.5
HP gauge	Full scale 0/315 bar
LP gauge	Full scale 0/40 bar

CONNECTIONS

Inlet	UNI - NF - DIN - BS - CGA
Outlet	3/8 G. without nut and hose holder
Reducer connection	Swivel connection with o-ring

SAFETY

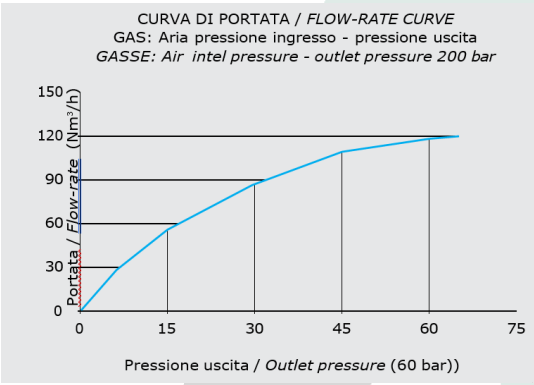
Single Unit Test

Code	Description	Inlet	outlet	Max inlet pressure	flow capacity	Gas
RI.132.12616UNI	REDUCER IMPER H2 UNI 40bar	UNI 1H	3/8 G	230 Bar	100,0	H2
RI.132.12618UNI	IMPER ARIA REDUCER UNI 40bar	UNI 6	3/8 G	230 Bar	100,0	ARIA
RI.132.12619DIN6	REDUCER IMPER O2 DIN6 40bar	DIN6	3/8 G	230 Bar	100,0	O2
RI.132.12619NF	REDUCER IMPER O2 NF 40bar	NF B	3/8 G	230 Bar	100,0	O2
RI.132.12619UNI	REDUCER IMPER O2 UNI 40bar	UNI 2	3/8 G	230 Bar	100,0	O2
RI.132.12620BS	REDUCER IMPER N2 BS -40bar	BS 3	3/8 G	230 Bar	100,0	N2
RI.132.12620DINJ	REDUCER IMPER N2 DIN /140bar	DIN10	3/8 G	230 Bar	100,0	N2
RI.132.12620NF	REDUCER IMPER N2 NF 40bar	AFNOR C	3/8 G	230 Bar	100,0	N2
RI.132.12620UNI	REDUCER IMPER N2 UNI 40bar	UNI 2	3/8 G	230 Bar	100,0	N2
RI.132.12621UNI	IMPER ARIA REDUCER UNI 0-40bar	UNI 6	3/8 G	230 Bar	100,0	ARIA
RI.132.12622UNI	REDUCER IMPER AR-HE UNI 0-40bar	UNI 8	3/8 G	230 Bar	100,0	Ar-He

IMPER REDUCER 60 BAR

Series RI.132

Pressure reducers for cylinders for high performance.



REFERENCE TECHNICAL STANDARDS

Construction Regulation	EN ISO 2503

APPLICATIONS

High performance

TECHNICAL FEATURES

PERFORMANCE

Gas	O2-N2-H2-Air
Inlet pressure	230 Bar Max
Outlet pressure	Adjustable 0/60 Bar
Flow rate	See tab
Operating temperature	-15° +60°

MATERIALS

Body	Brass -CW617N-UNI EN 12165
Shutter	High pressure valve with PTFE seat
Valve bell	Anodized aluminum
Diaphragm	Brass
Filter	Bronze placed in the inlet connection

GAUGES

GAUGES	ISO 5171 diam. 63 mm class 2.5
HP gauge	Full scale 0/315 bar
LP gauge	Full scale 0/100 bar

CONNECTIONS

Inlet	UNI - NF - DIN - BS - CGA
Outlet	3/8 G. without nut and hose holder
Reducer connection	Swivel conn.with o-ring

SAFETY

Single unit test

Code	Description	Inlet	outlet	Max inlet pressure	flow capacity	Gas
RI.132.12650BS	REDUCER IMPER N2 BS 60bar piston	BS 3	3/8 G	230 Bar	109,0	N2
RI.132.12650DIN	REDUCER IMPER N2 DIN 24,32 60bar pist	DIN 10	3/8 G	230 Bar	109,0	N2
RI.132.12650NF	REDUCER IMPER N2 NF 60bar piston	AFNOR C	3/8 G	230 Bar	109,0	N2
RI.132.12650UNI	REDUCER IMPER N2 UNI 60bar piston	UNI 2	3/8 G	230 Bar	109,0	N2
RI.132.12651BS	REDUCER IMPER O2 AR/HE BS60bar piston	BS 3	3/8 G	230 Bar	109,0	O2
RI.132.12651DIN	REDUCER IMPER O2DIN G3/4 60bar piston	DIN 9	3/8 G	230 Bar	109,0	O2
RI.132.12651DIN6	RIDUTTORE IMPER O2 DIN6 60bar pistone	DIN 6	3/8 G	230 Bar	109,0	O2
RI.132.12651NF	REDUCER IMPER O2 NF 60bar piston	NF B	3/8 G	230 Bar	109,0	O2
RI.132.12651UNI	REDUCER IMPER O2 UNI 60bar piston	UNI 2	3/8 G	230 Bar	109,0	O2
RI.132.12655UNI	REDUCER IMPER H2 UNI 60bar piston	UNI 2	3/8 G	230 Bar	109,0	H2

IMPER REDUCER 70 BAR

SERIES RI.132

Pressure reducers for cylinders for high performance.

REFERENCE TECHNICAL STANDARDS

Construction Regulation EN ISO 2503

APPLICATIONS

High performance

TECHNICAL FEATURES

PERFORMANCE

Gas	O2-N2-H2-Arir
Inlet pressure	230 Bar Max
Outlet pressure	Adjustable 0/70 Bar
Flow rate	See tab.
Operating temperature	-15° +60°

MATERIALS

Body	Brass -CW617N-UNI EN 12165
Shutter	High pressure valve with PTFE seat
Valve bell	Anodized aluminum
Diaphragm	Brass
Filter	Bronze placed in the inlet connection

GAUGES

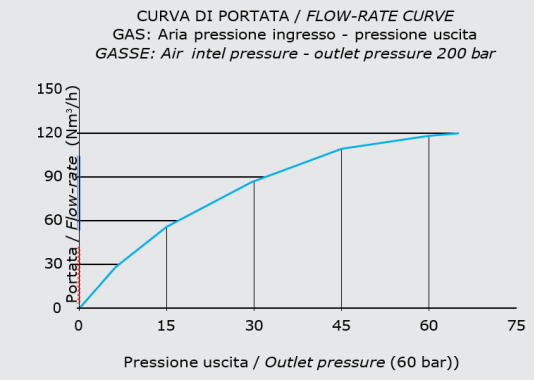
GAUGES	ISO 5171 diam. 63 mm class 2.5
HP Gauge	Full scale 0/315 bar
LP gauge	Full scale 0/100 bar

CONNECTIONS

Inlet	UNI - NF - DIN - BS - CGA
Outlet	3/8 G. without nut and hose holder
Reducer connection	Swivel conn. With o-ring

SAFETY

Single unit test

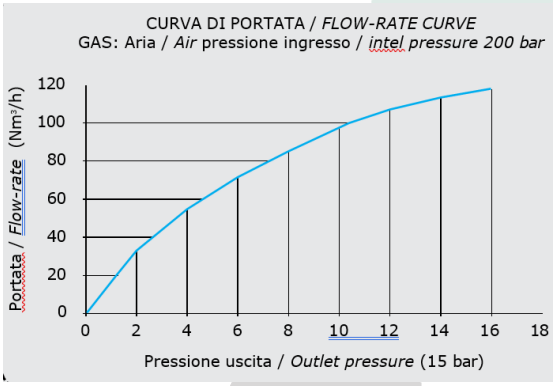


Code	Description	Inlet	outlet	Max inlet pressure	flow capacity	Gas
RI.132.12653BS	REDUCER IMPER N2 BS 70bar piston	BS 3	3/8 G	230 Bar	109,0	N2
RI.132.12653DIN	REDUCER IMPER N2 DIN6 70bar piston	DIN 1	3/8 G	230 Bar	109,0	N2
RI.132.12653NF	REDUCER IMPER N2 NF 70bar piston	AFNOR	3/8 G	230 Bar	109,0	N2
RI.132.12653UNI	REDUCER IMPER N2 UNI 70bar piston	UNI 2	3/8 G	230 Bar	109,0	N2
RI.132.12654BS	REDUCER IMPER O2 AR/HE BS70bar piston	BS 3	3/8 G	230 Bar	109,0	O2
RI.132.12654DIN	REDUCER IMPER O2 DIN9 G3/4 70bar	DIN 9	3/8 G	230 Bar	109,0	O2
RI.132.12654DIN6	REDUCER IMPER O2 DIN6 70bar piston	DIN 6	3/8 G	230 Bar	109,0	O2
RI.132.12654NF	REDUCER IMPER O2 NF 70bar piston	AFNOR	3/8 G	230 Bar	109,0	O2
RI.132.12654UNI	REDUCER IMPER O2 UNI 70bar piston	UNI 2	3/8 G	230 Bar	109,0	O2

LARGE FLOW RATES REDUCER 15BAR

SERIES RI.140

IMPER diaphragm pressure reducers for large flow rates ideal for central decompression systems.



REFERENCE TECHNICAL STANDARDS
Construction Regulation EN ISO 2503
APPLICATIONS
Large flow rates with strong outputs
TECHNICAL FEATURES
PERFORMANCE
Gas O2-N2-H2-Air
Inlet pressure 230 Bar Max
Outlet pressure Adjustable 0/15 Bar
Flow rate See tab.
Operating temperature -15° +60°
MATERIALS
Body Brass -CW617N-UNI EN 12165
Shutter High pressure valve with PTFE seat
Valve bell Anodized Aluminium
Diaphragm Neoprene diam. 60
Filter Bronze placed in the inlet connection
GAUGES
GAUGES ISO 5171 diam. 63 mm class 2.5
HP gauge Full scale 0/315 bar
LP gauge Full scale 0/25 bar
CONNECTIONS
Inlet UNI - NF - DIN - BS - CGA
Outlet 3/8 G. with nut and hose conical hose holder for rubber hose 6/8mm
Reducer connection Swivel conn. With o-ring
SAFETY DEVICES
Pressure relief valve for oxygen
SAFETY
Single unit test

Code	Description	Inlet	outlet	Max inlet pressure	flow capacity	Gas
RI.140.12800DIN	IMPER REDUCER G.P. DIN 300UNI 20bar	DIN	3/8" Dx PG	300 Bar	120,0	0
RI.140.12800DIN6	IMPER REDUCER G.P. O2 DIN6 15bar	DIN 6	3/8" Dx PG	230 Bar	120,0	O2
RI.140.12800NF	IMPER REDUCER G.P. O2 NF 15bar	NF B	3/8" Dx PG	230 Bar	120,0	O2
RI.140.12800UNI	IMPER REDUCER G.P. O2 UNI 15bar	UNI 2	3/8" Dx PG	230 Bar	120,0	O2
RI.140.12801BS	IMPER REDUCER G.P. AR/HE BS 15bar	BS 3	3/8" Dx PG	230 Bar	129,0	Ar-He
RI.140.12801DIN	IMPER REDUCER G.P. N2 DIN 115bar	DIN	3/8" Dx PG	230 Bar	129,0	N2
RI.140.12801ISO	IMPER REDUCER G.P. 300B ISO INERT15bar	ISO	3/8" Dx PG	230 Bar	129,0	Ar-He
RI.140.12801NF	IMPER REDUCER G.P. N2 NF 15bar	AFNOR C	3/8" Dx PG	230 Bar	129,0	N2
RI.140.12801UNI	IMPER REDUCER G.P. N2 UNI 15bar	UNI 5	3/8" Dx PG	230 Bar	129,0	N2
RI.140.12802NF	IMPER REDUCER G.P. Ar-He NF 15bar	AFNOR C	3/8" Dx PG	230 Bar	108,0	Ar-He
RI.140.12802UNI	IMPER REDUCER G.P. Ar-He UNI 15bar	UNI 8	3/8" Dx PG	230 Bar	108,0	Ar-He
RI.140.12803DIN1	IMPER REDUCER G.P. H2 DIN1 15bar	DIN 1	3/8" Dx PG	230 Bar	480,0	H2
RI.140.12803UNI	IMPER REDUCER G.P. H2 UNI 15bar	UNI 1H	3/8" Dx PG	230 Bar	480,0	H2
RI.140.12804UNI	IMPER REDUCER G.P. ARIA UNI 15bar	UNI 6	3/8" Dx PG	230 Bar	480,0	ARIA
RI.150.12999	50MC HIGH PRESSURE FILTER	0,00	0,00	230Bar	0,0	0

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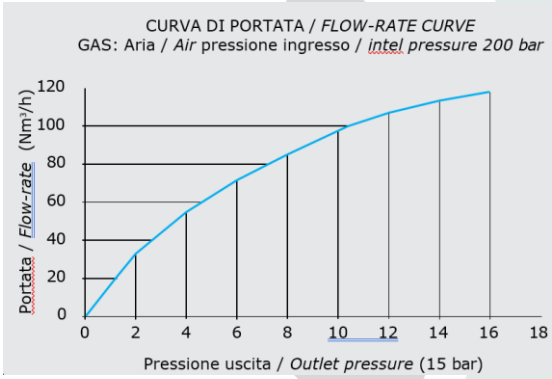
LARGE FLOW RATES REDUCERS WITH MEMBRANE FOR ACETYLENE

SERIE RI.140

Pressure reducers IMPER GPM for large flow rates for acetylene.



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REFERENCE TECHNICAL STANDARDS
Construction Regulation EN ISO 2503
APPLICATIONS
Large flow rates with strong outputs

TECHNICAL FEATURES
PERFORMANCE
Gas Acetylene
Inlet pressure 25 Bar Max
Outlet pressure Adjustable 0/1,5 Bar
Flow rate see Tab.
Operating temperature -15° +60°

MATERIALS
Body Brass -CW617N-UNI EN 12165
Shutter High pressure valve with PTFE seat
Valve bell Anodized aluminum
Diaphragm Neoprene diam. 60
Filter Bronze placed in the inlet connection
GAUGES
GAUGES ISO 5171 diam. 63 mm class 2.5
HP gauge Full scale 0/40 bar
LP gauge Full scale 0/2,5 bar
CONNECTIONS
Inlet UNI - NF - DIN - BS - CGA
Outlet 3/8 G. with nut and hose conical hose holder for rubber hose 6/8mm
Reducer connection Swivel conn. With o-ring
SAFETY DEVICES
Pressure relief valve for oxygen
SAFETY
Single unit test

Code	Description	Inlet	outlet	Max inlet pressure	flow capacity	Gas
RI.140.12810	IMPER REDUCER G.P. C2H2 BRACKET	STAFFA	3/8" Dx PG	25	120,0	C2H2
RI.140.12811	IMPER REDUCER G.P. C2H2 NF	AFNOR A/H	3/8" Dx PG	25	120,0	C2H2

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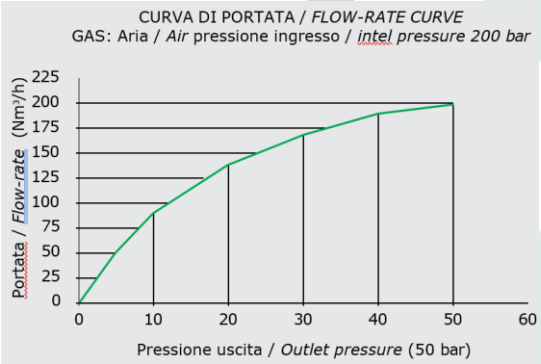
IMPER REDUCER FOR LARGE FLOW RATE, PISTON GPP 50 BAR

SERIES RI.132

Reducer with piston for large flow rates with strong outputs are ideal for laser systems.



REFERENCE TECHNICAL STANDARDS
Construction Regulation EN ISO 2503

APPLICATIONS
Large flow rates with strong outputs

TECHNICAL FEATURES

PERFORMANCE
Gas O2-N2-Air
Inlet pressure 230 Bar Max
Outlet pressure Adjustable 0/50 Bar
Flow rate See tab
Operating temperature -15° +60°

MATERIALS
Body Brass -CW617N-UNI EN 12165
Shutter High pressure valve with PTFE seat

BALANCED SHUTTER
Body Brass-CW617N-UNI EN 12165
Valve bell Painted aluminum
Piston Brass -CW617N-UNI EN 12165
Filter Bronze placed in the inlet connection

GAUGES
GAUGES ISO 5171 diam. 63 mm class 2.5
HP gauge Full scale 0/315 Bar
LP gauge Full scale 0/100 Bar

CONNECTIONS
Inlet G.3/4 " Male
Outlet G.3/4 " Male

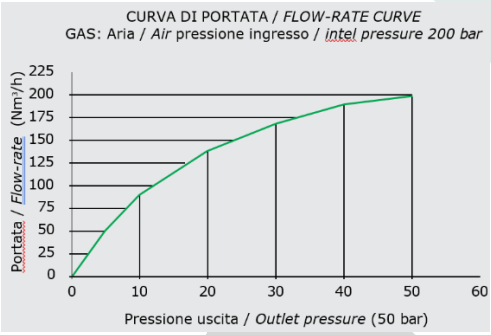
SAFETY
Single unit test

Code	Description	Inlet	outlet	flow capacity	Gas
RI.140.12900DIN	IMPER REDUCER G.P. O2 DIN G3/4 50bar	DIN 9	G3/4m	200,0	O2
RI.140.12900DIN6	IMPER REDUCER G.P. O2 DIN6 50bar	DIN 6	G3/4m	200,0	O2
RI.140.12900DINSCUBA	RIDUTTORE IMPER G.P. O2 50bar DIN30BAR	DIN	G3/4m	200,0	O2
RI.140.12900NF	IMPER REDUCER G.P. O2 NF 50bar	NF B	G3/4m	200,0	O2
RI.140.12900UNI	IMPER REDUCER G.P. O2 UNI 50bar	UNI	G3/4m	200,0	O2
RI.140.12901DIN	IMPER REDUCER G.P. N2 DIN150bar	DON 10	G3/4m	209,0	N2
RI.140.12901DIN6	IMPER REDUCER G.P. O2 DIN6 50bar	DIN 6	G3/4m	209,0	O2
RI.140.12901NF	IMPER REDUCER G.P. N2 NF 50bar	AFNOR C	G3/4m	209,0	N2
RI.140.12901UNI	IMPER REDUCER G.P. N2 UNI 50bar	UNI 5	G3/4m	209,0	N2
RI.140.12902DIN6	IMPER REDUCER G.P. Ar-He DIN 6 50bar	DIN 6	G3/4m	188,0	Ar-He
RI.140.12902UNI	IMPER REDUCER G.P. Ar-He UNI 50bar	UNI 8	G3/4m	188,0	Ar-He
RI.140.12905DIN	IMPER REDUCER G.P. H2 DIN 50bar 21,8LH	DIN 1	G3/4m	0,0	H2
RI.140.12930UNI	IMPER REDUCER G.P. O2 50bar ARIA	UNI 6	G3/4m	0,0	ARIA

IMPER REDUCER FOR LARGE FLOW RATE, PISTON GPP 200BAR

SERIES RI.140

Reducer with piston for large flow rates with strong outputs are ideal for laser systems.



REFERENCE TECHNICAL STANDARDS
Construction Regulation EN ISO 2503

APPLICATIONS
Large flow rates with strong outputs

TECHNICAL FEATURES
PERFORMANCE

Gas	O2-N2-Aria
Inlet pressure	230 Bar Max
Outlet pressure	Adjustable 0/200 Bar
Flow rate	see tab.
Operating temperature	-15° +60°

MATERIALS

Body	Brass -CW617N-UNI EN 12165
Shutter	High pressure valve with PTFE seat

BALANCED SHUTTER

Body	Brass -CW617N-UNI EN 12165
Valve bell	Painted Aluminum
Piston	Brass -CW617N-UNI EN 12165
Filter	Bronze placed in the inlet connection

GAUGES

GAUGES ISO 5171	diam. 63 mm classs 2.5
HP gauge	Full scale 0/315 Bar
LP gauge	Full scale 0/315 Bar

CONNECTIONS

Inlet	G.3/4 " Maschio
Outlet	G.3/4 " Maschio

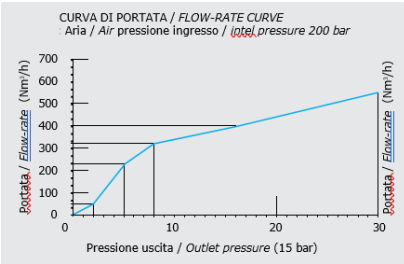
SAFETY
Single unit test

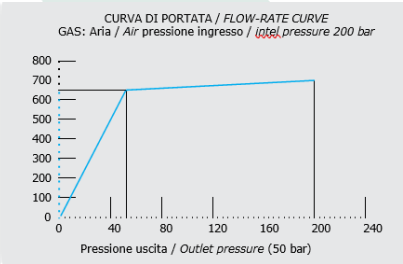
Code	Description	Inlet	outlet	Max inlet pressure	flow capacity	Gas
RI.140.12950BS	IMPER REDUCER G.P. O2 BS 200bar	BS 3	G 3/8	230Bar	200,0	O2
RI.140.12950UNI	IMPER REDUCER G.P. O2 UNI 200bar	UNI 2	G 3/8	230Bar	200,0	O2
RI.140.12951DIN	IMPER REDUCER G.P. N2 /DIN 200bar	DIN 10	G 3/8	230Bar	200,0	N2
RI.140.12951NF	IMPER REDUCER G.P. N2 /NF 200bar	AFNOR C	G 3/8	230Bar	200,0	N2
RI.140.12951UNI	IMPER REDUCER G.P. N2 UNI 200bar	UNI 5	G 3/8	230Bar	200,0	N2
RI.140.12952DIN	IMPER REDUCER G.P. Ar-He DIN -6	DIN 6	G 3/8	230Bar	200,0	Ar-He
RI.140.12952ISO	REDUCER IMP.G.P. Ar-He UNI 300/200bar	ISO	G 3/8	230Bar	200,0	Ar-He
RI.140.12952UNI	IMPER REDUCER G.P. Ar-He UNI 200bar	UNI 8	G 3/8	230Bar	200,0	Ar-He
RI.140.12953DIN3	IMPER REDUCER G.P.ARIA DIN 30BAR	DIN 13	G 3/8	230Bar	200,0	ARIA
RI.140.12953UNI	IMPER REDUCER G.P.ARIA UNI 200bar	UNI 6	G 3/8	230Bar	200,0	ARIA
RI.140.12954UNI	IMPER REDUCER G.P. H2 UNI 200bar	UNI 5	G 3/8	230Bar	200,0	H2

REDUCER FOR LARGE FLOW RATE WITH BALANCED SHUTTER

SERIES RI.140

Pressure reducers with piston IMPER model, for large flow rates with strong outputs is ideal for laser plant systems.





PERFORMANCE

Gas	O2-N2-Air
Inlet pressure	230 Bar Max
Outlet pressure	Adjustable 0/15 Bar
	Adjustable 0/50 Bar
Flow rate	See tab.
Operating temperature	-15° +60°

MATERIALS

Body	Brass CW617N-UNI EN 12165
Shutter	High pressure valve with PTFE seat

BALANCED SHUTTER

Body	Brass -CW617N-UNI EN 12165
Valve bell	Painted Aluminum
Piston	Brass -CW617N-UNI EN 12165
Filter	Bronze placed in the inlet connection

GAUGES

GAUGES	ISO 5171 diam. 63 mm class 2.5
HP gauge	Full scale 0/315 Bar
LP gauge	Full scale 0/25 Bar
LP gauge	Full scale 0/100 Bar

CONNECTIONS

Inlet	UNI – NF – DIN – BS – CGA
Outlet	3/8 G. with nut and hose conical hose holder for rubber hose 6/8mm
Reducer connection	Swivel conn. With o-ring

SAFETY DEVICES

Pressure relief valve for oxygen

SAFETY

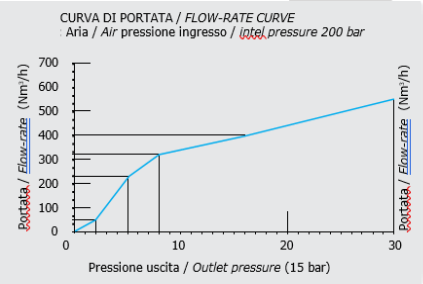
Single unit test

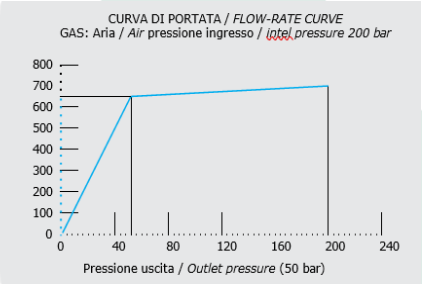
Code	Description	Inlet	outlet	flow capacity	Gas
RI.140.12710DIN6	IMPER REDUCER G.P. 15bar BIL.	DIN 6	3/8" GM	370,0	0
RI.140.12710UNI	IMPER REDUCER G.P. O2 UNI 15bar BIL.	UNI 2	3/8" GM	370,0	O2
RI.140.12711DIN	IMPER REDUCER G.P. N2 DIN 15bar BIL.	DIN 10	3/8" GM	379,0	N2
RI.140.12711NF	IMPER REDUCER G.P. N2 NF 15bar BIL.	AFNOR C	3/8" GM	379,0	N2
RI.140.12711UNI	IMPER REDUCER G.P. N2 UNI 15bar BIL.	UNI 5	3/8" GM	379,0	N2
RI.140.12712DIN	REDUCER IMPER G.P.Ar-He DIN 15bar BIL.	DIN 10	3/8" GM	350,0	Ar-He
RI.140.12712UNI	IMPER reducer G.P.Ar-He UNI 15bar BIL.	UNI 8	3/8" GM	350,0	Ar-He
RI.140.12760DIN6	IMPER REDUCER G.P. O2 UNI 50bar BIL.	UNI 2	3/8" GM	0,0	O2
RI.140.12760UNI	IMPER REDUCER G.P. O2 UNI 50bar BIL.	UNI 2	3/8" GM	0,0	O2
RI.140.12761DIN	IMPER REDUCER G.P. N2 DIN50bar BIL.	DIN 10	3/8" GM	659,0	N2
RI.140.12761UNI	IMPER REDUCER G.P. N2 UNI 50bar BIL.	UNI 5	3/8" GM	659,0	N2
RI.140.12762DIN6	REDUCER IMPER G.P.Ar-HeDIN6 50bar BIL.	DOIN 6	3/8" GM	630,0	Ar-He
RI.140.12762UNI	REDUCER IMPER G.P.Ar-He UNI 50bar BIL.	UNI 8	3/8" GM	630,0	Ar-He

CHROMED REDUCERS FOR LARGE FLOW RATES

SERIES RI.140

Pressure reducers with piston IMPER model, for large flow rates with strong outputs is ideal for laser plant systems.





PERFORMANCE

Gas	O2-N2-Air
Inlet pressure	230 Bar Max
Outlet pressure	Adjustable 0/15 Bar Adjustable 0/50 Bar
Portata	Vedi Tabella
Operating temperature	-15° +60°

MATERIALS

Body	Brass CW617N-UNI EN 12165
Shutter	High pressure valve with PTFE seat

BALANCED SHUTTER

Body	Brass -CW617N-UNI EN 12165
Valve bell	Painted Aluminum
Piston	Brass -CW617N-UNI EN 12165
Filter	Bronze placed in the inlet connection

GAU GAUGES

GAUGES	ISO 5171 diam. 63 mm class 2.5
HP gauge	Full scale 0/315 Bar
LP gauge	Full scale 0/25 Bar
LP gauge	Full scale 0/100 Bar

CONNECTIONS

Inlet	UNI – NF – DIN – BS – CGA
Outlet	3/8 G. with nut and hose conical hose holder for rubber hose 6/8mm
Reducer connection	Swivel conn. With o-ring

SAFETY DEVICES

Pressure relief valve for oxygen

SAFETY

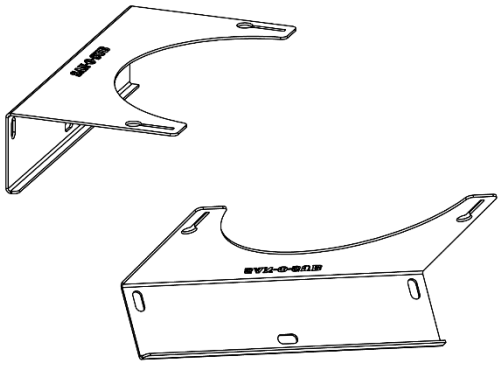
Single unit test

Code	Description	Inlet	outlet	flow capacity	Gas
RI.140.12700UNI	IMPER REDUCER G.P. O2 15bar CROMA	UNI 2	3/8" GM	120,0	O2
RI.140.12701UNI	IMPER REDUCER G.P. N2 15bar CROM	UNI 5	3/8" GM	129,0	N2
RI.140.12702UNI	IMPER REDUCER G.P. Ar-He 15bar CROM	UNI 8	3/8" GM	108,0	Ar-He
RI.140.12750	IMPER REDUCER G.P. O2 50bar CHROME	UNI 2	3/8" GM	200,0	O2
RI.140.12751	IMPER REDUCER G.P. N2 50bar CHROME	UNI 5	3/8" GM	229,0	N2
RI.140.12752	IMPER REDUCER G.P. Ar-He 50bar CROMA	UNI 8	3/8" GM	188,0	Ar-He

RACKS FOR CYLINDERS

SERIES C0.400 DRAS

Modular stainless steel rack for fixing 40lt and 50lt cylinders



Code	Description
CO.400.13101L	RACK FOR CYLINDERS 40/50 1 SEATS
CO.400.13102L	RACK FOR CYLINDERS 40/50 2 SEATS
CO.400.13103L	RACK FOR CYLINDERS 40/50 3 SEATS

MATERIALS

Material	Stainless steel

DIMENSIONS

1 cylinder	29 x 14 x 13,5 mm
2 cylinders	57 x 15 x 16,5 mm
3 cylinders	85 x 15 x 16,5 mm

VERSIONS

Rack for 1/2/3 cylinders
Rack for 4/5/6 cylinders (on request)

SAFETY DEVICES

Steel chain for keeping the cylinder fixed

DOCUMENTATION

Declaration of Conformity and Instruction for use

FLEXIBLE HOSE FOR TECHNICAL GAS

SERIES DFL

These hoses are specifically made for the high pressure compressed gas sector.
The shape of the connected pipes requires the use of brass fittings specific for the use.

TECHNICAL FEATURES
PERFORMANCE

Gas	HP compressed
Operating temperature	-60° C +260°C
Minimum radius of curvature	35
Max working pressure	400 bar
Min. burst pressure	1600 bar
Internal dm	6,5 mm
External dm	12,5 mm

Safety factor greater than 1:4 (operating pressure/burst pressure)

MATERIALS

Under layer Smooth PTFE extruded and sintered without high thickness joints
Cover High resistance treated AISI 304 stainless steel braid
Reinforce braided Kevlar
Hemming

- Hoses for oxygen use with AISI304 1/4"g. nut, brass nose cone
- Hoses for various gas use with 1/4" nut, AISI304 nose cone

CONNECTIONS

Inlet	1/4" G. F. Dx
Outlet	1/4" G. F. Dx

DIMENSIONS

500 mm (without safety cord)
1000/1500/2000 mm (with safety cord)

ACCESSORY DEVICES

Specific brass fittings for hoses

SAFETY DEVICES

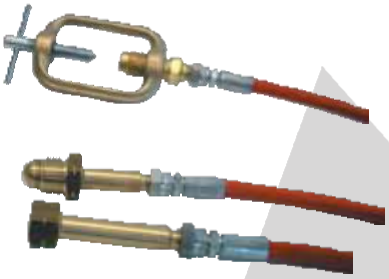
Integrated anti-swing safety lanyard. Use for emptying pressure oxygen containers is prohibited

Code	Description	Inlet	outlet	Size	Gas
DFLO20005	FLEXIBLE 1/4" LG.50X O2	G 1/4	G 1/4	50	O2
DFLO20010	FLEXIBLE 1/4" LG.100X O2 WITH SAFETY CABLE	G 1/4	G 1/4	100	O2
DFLO20015	FLEXIBLE 1/4" LG.150X O2 WITH SAFETY CABLE	G 1/4	G 1/4	150	O2
DFLO20020	FLEXIBLE 1/4" LG.200X O2 WITH SAFETY CABLE	G 1/4	G 1/4	200	O2
DFLO20030	FLEXIBLE 1/4" LG.300X O2	G 1/4	G 1/4	300	O2
DFLGV0105	FLEXIBLE LG.50X VARIOUS GAS	G 1/4	G 1/4	50	0
DFLGV0110	FLEXIBLE LG.100X VARIOUS GASES	G 1/4	G 1/4	100	0
DFLGV0115	FLEXIBLE LG.150X VARIOUS GAS	G 1/4	G 1/4	150	0
DFLGV0120	FLEXIBLE LG.200X VARIOUS GASES	G 1/4	G 1/4	200	0

FLEXIBLE HOSE FOR ACETYLENE GPL

SERIES DFLAD

Hoses particularly suitable for loading cylinders, drain collectors and pressure transfers.



TECHNICAL FEATURES
PERFORMANCE

Gas	Compressed
Operating temperature	-40° C +100°C
Minimum radius of curvature	40
Max working pressure	300 bar
Min. burst pressure	1200 bar
Internal dm	6,5 mm
External dm	1 mm
Safety factor	greater than 1:4 (operating pressure/burst pressure)

MATERIALS

Underlayer	Smooth extruded polyamide without joints
Cover	Micro-perforated polyurethane sheath, orange color
Reinforce	A high resistant steel braid

CONNECTIONS

Inlet	1/4" G. F. right
Outlet	1/4" G. F. right

DIMENSIONS

Dimensions500/1000/1500/2000 mm (without cord)
Other sizes on request

ACCESSORY DEVICES

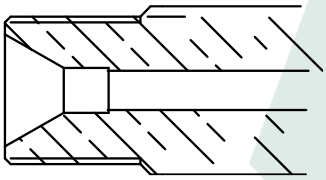
Specific brass fittings for hoses

Code	Description	Inlet	outlet	Gas
DFLAD0005	LEXIBLE LG.50ACETYLENE ATT.1/4"F.	1/4" G. F. Dx	1/4" G. F. Dx	C2H2
DFLAD0010	FLEXIBLE LG.100ACETYLENE ATT.1/4"F.	1/4" G. F. Dx	1/4" G. F. Dx	C2H2
DFLAD0015	FLEXIBLE LG.150ACETYLENE ATT.1/4"F.	1/4" G. F. Dx	1/4" G. F. Dx	C2H2
DFLAD0020	FLEXIBLE LG.200ACETYLENE ATT.1/4"F.	1/4" G. F. Dx	1/4" G. F. Dx	C2H2

SHANK FOR HOSES

SERIES DCODOLO

Brass fittings for gas.



TECHNICAL FEATURES

MATERIALS

Body Brass -CW617N-UNI EN 12165

CONNECTIONS

Shank 1/4" G.BSP

Hexagonal nut UNI 11144/2 Oxygen
UNI 11144/5 Nitrogen
UNI 11144/8 Argon
UNI 11144/6 Air
UNI 11144/1H Hydrogen
UNI11144/7S Acetylene bracket
NF E 29-658 French Acetylene

DIMENSIONS

Length 45/60/45 mm (shank)
22/27/28/22 mm (nut)

ACCESSORY DEVICE

Gasket

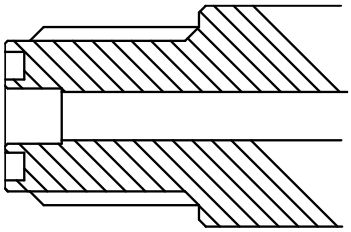
Degreasing treatment for all fittings.

Code	Description	Inlet	outlet	treatment	Gas
1420F	SHANK UNI 2 O2 CO2 RC ¼ WHIP SHORT	RC ¼	UNI 2	0	O2 CO2
1421F	SHANK UNI 2 O2 CO2 G ¼ WHIP MEDIUM CHROME PLATED	G ¼	UNI 2	CROMATO	O2 CO2
1423F	SHANK UNI 2 O2 CO2 G ¼ WHIP LONG	G ¼	UNI 2	0	O2 CO2
1428F	SHANK UNI 2 O2 CO2 G ¼ WHIP MEDIUM	G ¼	UNI 2	0	O2 CO2
1428AF	SHANK UNI 2 O2 CO2 G ¼ MEDIUM	G1/4	UNI 2	0	O2 CO2
1468F	SHANK UNI 1CO2 MED G¼ LONG	RC ¼	UNI 10	0	CO2 MED
1468AF	SHANK UNI 1CO2 MED G¼ LONG	G1/4	UNI 10	0	CO2
1436F	SHANK UNI 8 AR-HE G ¼ MEDIUM WHIP CHROME PLATED	G ¼	UNI 8	CROMATO	AR-HE
1438F	SHANK UNI 8 AR-HE G ¼ WHIP LONG	G ¼	UNI 8	0	AR-HE
1440F	SHANK UNI 8 AR-HE RC ¼ LONG WHIP CHROME PLATED	RC ¼	UNI 8	CROMATO	AR-HE
1432F	SHANK UNI 6 AIR RC ¼ WHIP MEDIUM	RC ¼	UNI 6	0	ARIA
1435F	SHANK UNI 6 AIR RC ¼ WHIP LONG	RC ¼	UNI 6	0	ARIA
1441F	SHANK UNI 5 N2 G ¼ MEDIUM WHIP CHROME PLATED	G ¼	UNI 5	CROMATO	N2
1444F	SHANK UNI 5 N2 G ¼ WHIP LONG	G ¼	UNI 5	0	N2
3110F	SHANK DIN 11 N2RC ¼ WHIP LONG	RC ¼	DIN 11	0	N20
1880F	SHANK DIN 3 C2H2 G ¼ WHIP MEDIUM	G ¼	DIN 3	0	C2H2
1895F	SHANK NF A H C2H2 G ¼ WHIP LONG	G ¼	NF A H	0	C2H2

SHANK FOR O-RING

SERIES DCODOLO

Brass gas fittings



TECHNICAL FEATURES

MATERIALS

Body Brass -CW617N-UNI EN 12165

CONNECTIONS

Shank **g**

Hexagonal nut UNI 11144/2 Oxygen
UNI 11144/5 Nitrogen
UNI 11144/8 Argon
UNI 11144/6 Air
UNI 11144/1H Hydrogen
UNI11144/7S Acetylene braket
NF E 29-658 French Acetylene

DIMENSIONS

Length 45/60/45 mm (shank)
22/27/28/22 mm (nut)

ACCESSORY DEVICE

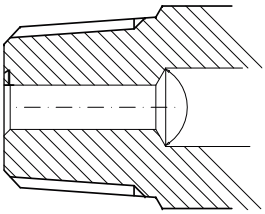
Gasket

Degreasing treatment for all fittings.

Code	Description	Inlet	outlet	treatment	Gas
1420R	SHANK UNI 2 O2 CO2 RC ¼ SHORT ORING SEAL	RC ¼	UNI 2	0	O2 CO2
1421R	SHANK UNI 2 O2 CO2 G ¼ ORING SEAL MEDIUM CROMED	G ¼	UNI 2	CROMATO	O2 CO2
1423R	SHANK UNI 2 O2 CO2 G ¼ ORING SEAL LUNGO	G ¼	UNI 2	0	O2 CO2
1428R	SHANK UNI 2 O2 CO2 G ¼ ORING SEAL MEDIUM	G ¼	UNI 2	0	O2 CO2
1428AR	SHANK UNI 2 O2 CO2 G ¼ MEDIUM	G1/4	UNI 2	0	O2 CO2
1436R	SHANK UNI 8 AR-HE G ¼ ORING SEAL MEDIUM CROMED	G ¼	UNI 8	CROMATO	AR-HE
1468AR	SHANK UNI 1CO2 MED G¼ LONG	G1/4	UNI 10	0	CO2
1468R	SHANK UNI 1CO2 MED RC ¼ MEDIUM ORING SEAL	RC ¼	UNI 10	0	CO2 MED
1438R	SHANK UNI 8 AR-HE G ¼ LONG ORING SEAL	G ¼	UNI 8	0	AR-HE
1440R	SHANK UNI 8 AR-HE RC ¼ ORING SEAL LUNGO CROMED	RC ¼	UNI 8	CROMATO	AR-HE
1432R	SHANK UNI 6 ARIA RC ¼ ORING SEAL MEDIUM	RC ¼	UNI 6	0	ARIA
1435R	SHANK UNI 6 ARIA RC ¼ ORING SEAL LUNGO	RC ¼	UNI 6	0	ARIA
1441R	SHANK UNI 5 N2 G ¼ ORING SEAL MEDIUM CROMED	G ¼	UNI 5	CROMATO	N2
1444R	SHANK UNI 5 N2 G ¼ LONG ORING SEAL	G ¼	UNI 5	0	N2
3110R	SHANK DIN11 N2RC ¼ LONG ORING SEAL	RC ¼	DIN 11	0	N20
1880R	SHANK DIN 3 C2H2 G ¼ ORING SEAL MEDIUM	G ¼	DIN 3	0	C2H2
1895R	SHANK NF A H C2H2 G ¼ ORING SEAL LONG	G ¼	NF A H	0	C2H2

CONICAL SHANK

Brass gas fittings



TECHNICAL FEATURES
MATERIALS
Body Brass -CW617N-UNI EN 12165

CONNECTIONS
Shank 1/4" G.BSP
Hexagonal nut UNI 11144/2 Oxygen
UNI 11144/5 Nitrogen
UNI 11144/8 Argon
UNI 11144/6 Air
UNI 11144/1H Hydrogen
UNI11144/7S Acetylene bracket
NF E 29-658 French Acetylene

DIMENSIONS
Length 45/60/45 mm (shank)
22/27/28/22 mm (nut)
ACCESSORY DEVICE
Gasket

Degreasing treatment for all fittings.

Code	Description	Inlet	outlet	treatment	Gas
1420C	SHANK UNI 2 O2 CO2 RC ¼ SHORT TAPERED	RC ¼	UNI 2	0	O2 CO2
1421C	SHANK UNI 2 O2 CO2 G ¼ CONICAL MEDIUM CHROME PLATED	G ¼	UNI 2	CROMATO	O2 CO2
1423C	SHANK UNI 2 O2 CO2 RC ¼ LONG TAPERED	RC ¼	UNI 2	0	O2 CO2
1428C	SHANK UNI 2 O2 CO2 G ¼ MEDIUM CONICAL	G ¼	UNI 2	0	O2 CO2
1428AC	SHANK UNI 2 O2 CO2 RC ¼ MEDIUM	RC1/4	UNI 2	0	O2 CO2
1436C	SHANK UNI 8 AR-HE G ¼ MEDIUM CONICAL CHROME PLATED	G ¼	UNI 8	CROMATO	AR-HE
1468AC	SHANK UNI 1CO2 MED RC¼ LONG	RC1/4	UNI 10	0	CO2
1468C	SHANK UNI 1CO2 MED RC ¼ CONICAL MEDIUM	RC ¼	UNI 10	0	CO2 MED
1438C	SHANK UNI 8 AR-HE G ¼ LONG CONICAL	G ¼	UNI 8	0	AR-HE
1440C	SHANK UNI 8 AR-HE RC ¼ LONG TAPER CHROME PLATED	RC ¼	UNI 8	CROMATO	AR-HE
1432C	SHANK UNI 6 AIR RC ¼ CONICAL MEDIUM	RC ¼	UNI 6	0	ARIA
1435C	SHANK UNI 6 AIR RC ¼ LONG CONICAL	RC ¼	UNI 6	0	ARIA
1441C	SHANK UNI 5 N2 G ¼ CONICAL MEDIUM CHROME PLATED	G ¼	UNI 5	CROMATO	N2
1444C	SHANK UNI 5 N2 G ¼ LONG CONICAL	G ¼	UNI 5	0	N2
3110C	SHANK DIN 11 N2RC ¼ LONG CONICAL	RC ¼	DIN 11	0	N20
1880C	SHANK DIN 3 C2H2 G ¼ CONICAL MEDIUM	G ¼	DIN 3	0	C2H2
1895C	SHANK NF A H C2H2 G ¼ CONICAL LONG	G ¼	NF A H	0	C2H2

AVAILABILITY:TO BE CONFIRMED

NUT

TECHNICAL FEATURES
MATERIALS
Body Brass - CW617N-UNI EN 12165
CONNECTIONS
Shank 1/4" G.BSP
Hexagonal nut UNI 11144/2 Oxygen
UNI 11144/5 Nitrogen
UNI 11144/8 Argon
UNI 11144/6 Air
UNI 11144/1H Hydrogen
UNI11144/7S Acetylene bracket
NF E 29-658 French Acetylene
DIMENSIONS
Length 45/60/45 mm (shank)
22/27/28/22 mm (nut)
ACCESSORY DEVICE
Gasket

Degreasing treatment for all fittings.

Code	Description	type	outlet	treatment	Gas
1475	NUT UNI 2 O2 CO2 MG	MG	UNI 2	0	O2 CO2
1426	NUT UNI 2 O2 CO2 M	M	UNI 2	0	O2 CO2
1425	NUT UNI 2 O2 CO2 D	D	UNI 2	0	O2 CO2
1472	NUT DIN 477 NR 9 O2 D	D	DIN 9	0	O2
1469	NUT UNI 1CO2 MED MG	MG	UNI 10	0	CO2 MED
1437	NUT UNI 8 AR-HE D	D	UNI 8	0	AR-HE
1447	NUT UNI 8 AR-HE D CHROME	D	UNI 8	CROMATO	AR-HE
1433	NUT UNI 6 ARIA M	M	UNI 6	0	ARIA
1434	NUT UNI 6 ARIA D	D	UNI 6	0	ARIA
1896	NUT UNI 7 C2H2 D	D	UNI 7S	0	C2H2
1892	NUT UNI 1H GPL D	D	UNI 1H	0	GPL
1888	NUT UNI 1H H2 D CHROME	D	UNI 1H	CROMATO	H2
1889	NUT UNI 1H H2 D	D	UNI 1H	0	H2
3107	NUT DIN 477 NR 1 H2 D	D	DIN 1	0	H2
1442	NUT UNI 5 N2 M	M	UNI 5	0	N2
1443	NUT UNI 5 N2 D	D	UNI 5	0	N2
1446	NUT UNI 5 N2 D CHROME	D	UNI 5	CROMATO	N2
1473	NUT DIN 477 NR 1N2 D	D	DIN 10	0	N2
1453	NUT UNI 1HX N2M	M	UNI 9	0	N20
3111	NUT DIN 477 NR 11 N2D	D	DIN 11	0	N20

NP= net price

FITTINGS FOR TECHNICAL GAS HOSES

SERIES DCODOLO

Brass gas fittings

TECHNICAL FEATURES

MATERIALS

Body Brass -CW617N-UNI EN 12165

CONNECTIONS

Shank 1/4" G. M

Hexagonal Nut UNI 11144/2 Oxygen
UNI 11144/5 Nitrogen
UNI 11144/8 Argon
UNI 11144/6 Air
UNI 11144/1H Hydrogen
UNI11144/7S Acetylene bracket
NF E 29-658 French Acetylene

DIMENSIONS

Length 45/60/45 mm (shank)
22/27/28/22 mm (nut)

ACCESSORY DEVICES

Gasket

Degreasing treatment for all fittings.

Code	Description	type	outlet	Gas
9322	SHANK SET NF E 29-65A H C2H2 G ¼ D LONG	D	NF A H	C2H2
9323	SHANK SET NF E 29-65B O2 G ¼ D LONG	D	NF B	O2
9324	SHANK SET UNI 2 O2 CO2 G ¼ D LONG	D	UNI 2	O2 CO2
9327	SHANK SET UNI 5 N2 G ¼ D LONG	D	UNI 5	N2
9328	SHANK SET UNI 8 AR-HE G ¼ D LONG	D	UNI 8	AR-HE
9332	SHANK SET DIN 477 NR 9 O2 G ¼ D	D	DIN 9	O2
9329	SHANK SET UNI 1H H2 G ¼ D	D	UNI 1H	H2
9330	SHANK SET UNI 6 ARIA G ¼ D MEDIUM	D	UNI 6	ARIA

Code	Description	Ø inside	Ø outside	thickness	Gas
DGUARNH2	NYLON GASKET H2	11mm	19 mm	2mm	H2
DGUARNO2	GASKET O2/NITROGEN NYLON UNI	11mm	19 mm	2mm	O2 N2
DGUARTO2	GASKET O2 TEFLON UNI	11mm	18 mm	2mm	O2
DGUARAD	ACETYLENE LEATHER GASKET	0,00	0,00	0	C2H2
1086A	ACETYLENE NYLON GASKET	0,00	0,00	0	C2H2

SHANK AND RAPID NUT FOR TECHNICAL GAS HOSES

SERIES DCODOLO

Brass fittings for technical gases. Brass bar processing made with CNC. Metal-sealed shanks for hoses with connection G.1/4". Degreasing treatment for oxygen use.

TECHNICAL FEATURES

MATERIALS

Body Brass -CW617N-UNI EN 12165

CONNECTIONS

Shank	1/4" G. M
Hexagonal Nut	UNI 11144/2 Oxygen
	UNI 11144/5 Nitrogen
	UNI 11144/8 Argon
	UNI 11144/6 Air
	UNI 11144/1H Hydrogen
	UNI11144/7S Acetylene bracket
	NF E 29-658 French Acetylene

DIMENSIONS

Length	45/60/45 mm (shank)
	22/27/28/22 mm (nut)

ACCESSORY DEVICES

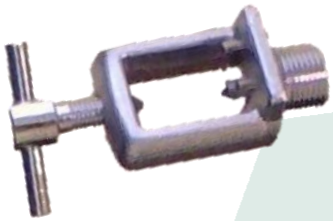
Gasket

Degreasing treatment for all fittings.
Degreasing treatment for oxygen use

Code	Description	Inlet	outlet	Gas
9322M	SET SHANK NF E 29-65A H C2H2 G ¼ D LUNGO	G ¼	NF AH	C2H2
9323M	SET SHANK NF E 29-65B O2 G ¼	G ¼	NF B	O2
9324M	SET SHANK UNI 2 O2 CO2 G ¼ MG LUNGO	G ¼	UNI 2	O2 CO2
9325	SET SHANK UNI 2 O2 CO2 G ¼ M MEDIO	G ¼	UNI 2	O2 CO2
9327M	SET SHANK UNI 5 N2 G ¼ M LUNGO	G ¼	UNI 5	N2
9328M	SET SHANK UNI 8 AR-HE G ¼ LUNGO	G ¼	UNI 8	AR-HE
9329M	SET SHANK UNI 1H H2 G ¼	G ¼	UNI 1H	H2
9330M	SET SHANK UNI 6 ARIA G ¼ M LUNGO	G ¼	UNI 6	ARIA
9341M	SET SHANK UNI 1HX N2G ¼ M MEDIO	G ¼	UNI 9	N2O
9336M	SET SHANK UNI 1CO2 MED G ¼ MG LUNGO CROMED	G ¼	UNI 10	CO2 MED
9345M	SET SHANK UNI 1H GPL G ¼ M MEDIO	G ¼	UNI 1H	GPL
9346M	SET SHANK UNI 1H H2 G ¼	G ¼	UNI 1H	H2

CHROMED FITTINGS FOR TECHNICAL GAS HOSES

SERIES DCODOLO



Fittings in chromed brass for gas

TECHNICAL FEATURES

MATERIALS

Body Brass -CW617N-UNI EN 12165

CONNECTIONS

Shank 1/4" G. M

Hexagonal Nut UNI 11144/2 Oxygen
UNI 11144/5 Nitrogen
UNI 11144/8 Argon
UNI 11144/6 Air
UNI 11144/1H Hydrogen

DIMENSIONS

Length 45/60/45 mm (shank)
22/27/28/22 mm (nut)

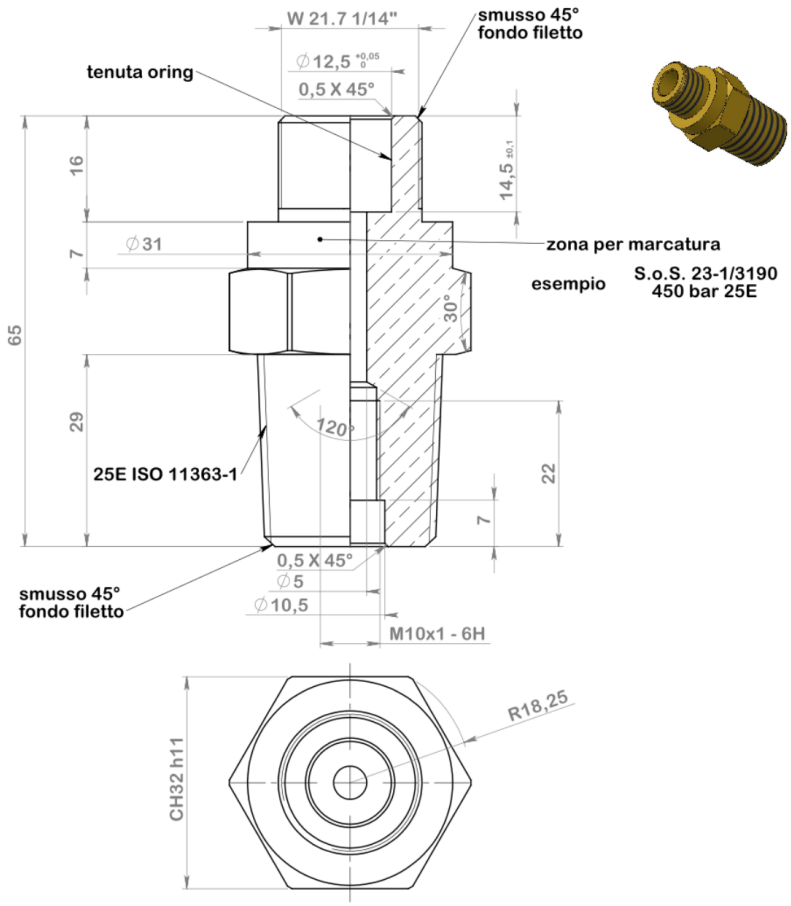
ACCESSORY DEVICES

Seals

Code	Description	Inlet	outlet	Gas
9324CR	SET SHANK UNI 2 O2 CO2 G ¼ MEDIO CROMED	G ¼	UNI 2	O2 CO2
9327CR	SET SHANK UNI 5 N2 G ¼ D MEDIO CROMED	G ¼	UNI 5	N2
9328CR	SHANK SET UNI 8 AR-HE G ¼ D MEDIUM CROMED	G ¼	UNI 8	AR-HE
9329CR	SET SHANK UNI 1H H2 G ¼ D CROMED	G ¼	UNI 1H	H2
9330CR	SET SHANK UNI 6 ARIA G ¼ CROMED	G ¼	UNI 6	ARIA
9336	SET SHANK UNI 1CO2 MED G ¼ CROMED	G ¼	UNI 10	CO2 MED
9332	SHANK SET DIN 477 NR 9 O2 G ¼ D	G ¼	DIN 9	O2
CO.503.10834	PIN INDEX ISO 407 N2 G ¼ CROMED	Pin Index	G1/4	N2
CO.503.10835	PIN INDEX ISO 407 N2O G ¼ CROMED	Pin Index	G1/4	N2O
CO.503.10836	PIN INDEX ISO 407 O2 G ¼ CROMED	Pin Index	G1/4	O2
CO.503.10836A	PIN INDEX ISO 407 O2 21,7 CROMED	Pin Index	21,70	O2
CO.503.10836B	PIN INDEX ISO 407 O2 3/4G CROMED	Pin Index	G3/4	O2
CO.503.10837	PIN INDEX ISO 407 CO2 G ¼ CROMED	Pin Index	G1/4	CO2
CO.503.10838	PIN INDEX ISO 407 ARIA G ¼ CROMED	Pin Index	G1/4	ARIA
CO.503.10839	PIN INDEX ISO 407 AR-HE G ¼ CROMED	Pin Index	G1/4	AR-HE

BLOCK FOR SPIDER TYPE CYLINDER PACKS

SERIES 0700



DESCRIPTION

HP Block in brass for cylinder packs

Copper curls 8mm

Nut and ogive in Brass -CW617N-UNI EN 12165

And stainless steel AISI 304L from 8 – 10 mm.

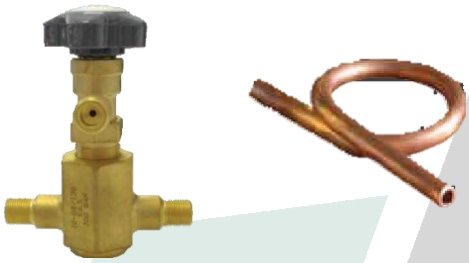
Valve support Brass -CW617N-UNI EN 12165

Degreased and treated for HP at 300 bar

Code	Description	Inlet	outlet	Ø outside
0717B	BLOCCHETTO 25E 1 VIA 21,7 in verticale	25E	21,70	10mm

BLOCKS AND CURLS FOR CYLINDER PACKS 10 MM

SERIES 0700



DESCRIPTION

HP Block in brass for cylinder packs

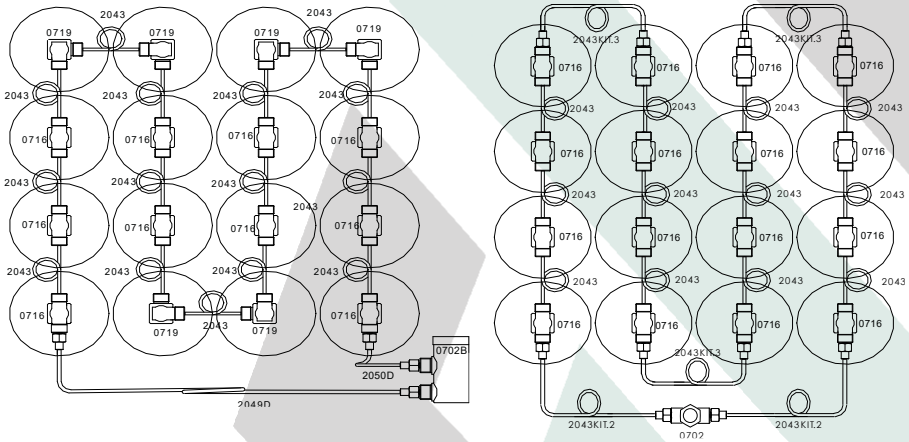
Copper curls 10mm

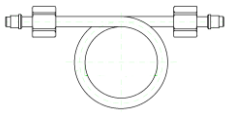
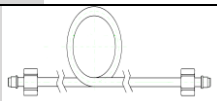
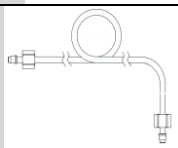
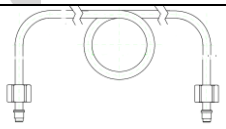
Nut and ogive in Brass -CW617N-UNI EN 12165 for copper tube of 10 mm.

Valve support Brass -CW617N-UNI EN 12165

Degreased and treated for HP at 300 bar.

HP brass blocks with nut and ogive for assembling technical gas cylinder packs.



2043RIV	
Kit 1	
2047A10 2049D	
2046A10	
Kit 4	

Code	Description	Inlet	outlet	Ø outside
716	BLOCK 25E 2-WAY M20X1.5 AT 180°	25E	20,70	10mm
0717	BLOCK 25E 1 WAY 21.7 HORIZONTAL	25E	M20X1,5	10mm
0717A	BLOCK 25E 1 WAY 21.7 HORIZONTAL	25E	21,70	10mm
0717A	BLOCK 25E 1 WAY 21.7 HORIZONTAL	25E	21,70	10mm
0718	BLOCK 25E 1 WAY 21.7 HORIZONTAL	25E	M20X1,5	10mm
0719	BLOCK 25E 1 WAY 21.7 HORIZONTAL	25E	M20X1,5	10mm
0702	PIPE VALVE SUPPORT 1			10mm
0702A	PIPE VALVE SUPPORT 1			10mm
0702B	SUPP. VAL. 20X1.5 OGIVE TUBE 10			10mm
1096	OGIVE FOR TUBE Ø 10			10mm
1097A	NUT M20X1.5 FOR EMBOLUS TUBE Ø 10			10mm
1097	NUT M20X1.5 FOR EMBOLUS TUBE Ø 10			10mm
RTUBORAME13	COPPER CURLS LG.21DIAM10mm			10mm
2049D	LOG TUBE MAINFOLD .1MM. TEN.EMBOLO			10mm
2050D	LONG TUBE MAINFOLD .1MM. TEN.EMBOLO			10mm
2043	CURL IN LINE EMBOLO D.1MM.RAME			10mm
2043KIT.1	CURL KIT 1 EMBOLUS D.1MM.COPPER			10mm
2043KIT.2	CURL KIT 2 EMBOLUS D.1MM.COPPER			10mm
2043KIT.3	CURL KIT 3 EMBOLUS D.1MM.COPPER			10mm
2043KIT.4	CURL KIT 4 EMBOLUS D.1MM.COPPER			10mm

Series DRIC

High pressure curl for ramp to ramp or panel ramp.

APPLICATIONS
Ramp to ramp connection
TECHNICAL FEATURES
PERFORMANCE

Gas	Various gases HP
Operating temperature	-15° +60° C

MATERIALS

Body	Copper tube diam. 4x8 mm.
Fittings	Welded brass fittings

CONNECTIONS

Inlet	UNI
Outlet	UNI
Operating pressure	220 bar 220 b

Code	Description	Inlet	outlet	Gas
DRIC500	RICCIOLOinRAME DIAM.8X4 O2 lg50UNI	UNI 2	UNI/2	O2
DRIC501	RICCIOLOinRAME DIAM.8X4 H2 lg50UNI	UNI 1H	UNI/3	H2

COPPER COIL FOR INDUSTRIAL GASES

Serie DSER

Coil for HP for the connection of decompression ramp/industrial gas cylinder

Code	Description	Inlet	outlet	Gas
DSER100	COPPER COIL MM. 8X4 21,7- LATOB	0,00	0,00	0
DSER1000	COPPER COIL MM. 8X4 O2 lg100UNI	UNI 2	UNI/2	O2
DSER1000DIN6	COPPER COIL MM.8X4 O2 lg.100DIN6	DIN 6	DIN 6	O2
DSER1000DIN9	COPPER COIL MM. 8X4 O2 lg100DIN9	DIN 9	DIN 9	O2
DSER1000DINSCUBA	SERPENTINA RAME G5/8 ARIA 20BA lg100	G5/8	G5/8	ARIA
DSER1001	COPPER COIL MM. 8X4 N2 L.100NITROGEN	UNI 2	UNI/5	N2 N2
DSER1002	COPPER COIL MM. 8X4 ARG lg100UNI	UNI 2	UNI/8	AR- HE
DSER1003	COPPER COIL MM. 8X4 H2 lg100UNI	UNI 2	UNI/1H	H2
DSER1004	COPPER COIL MM. 8X4 N2O lg100UNI	UNI 2	UNI/9	N2O
DSER1005	COPPER COIL MM. 8X4 ARIA lg100UNI	UNI 2	UNI/6	ARIA
DSER2000	COPPER COIL MM. 8X4 O2 lg200UNI	0,00	UNI 2	O2

RAMP FOR INDUSTRIAL GAS

Serie CO.300

Modular ramp for the centralization of technical gas systems.

APPLICATIONS
Application: Industrial gas decompression

TECHNICAL FEATURES
PERFORMANCE

Gas	Comburent
Inlet pressure	220 bar
Operating temperature	-20° +60° C

MATERIALS

Shutter	Nylon with brass pit
Valve body	Brass CW617N-UNI EN
Collettore ???	
Brass blocks	
HP chromed copper tube	
Angular support	Brushed stainless steel

CONNECTIONS

Inlet	UNI 11144/2 (oxidising gases)
Outlet	UNI 11144/2 (oxidising gases)

SAFETY
Single unit test

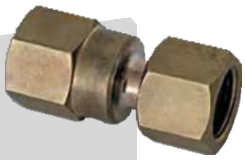
SAFETY DEVICES
Futura valve model with non-return system in the stem

DOCUMENTATION
Conformity Declaration and Instruction of use

INDUSTRIAL GAS RAMP WITH UNI 11144/2 SHUT-OFF VALVE WITH OR WITHOUT NON-RETURN VALVES

Series **DRAGV**

Modular ramp for the centralization of technical gas systems.



RNIPLOSSIGENO

RNIPLOIDROGENO
RNIPLOIDROGENO
Swivel joint for ramp / ramp connection.

Code	Description	Inlet	outlet	Size
CO.300.13021	RAMP 1 PLACE GAS VARIOUS	3/8" Dx	UNI/2	H9 L15 P16
CO.300.13022	RAMP 2 SEATS VARIOUS GAS	3/8" Dx	UNI/2	H9 L37 P16
CO.300.13023	RAMP 3 SEATS VARIOUS GAS	3/8" Dx	UNI/2	H9 L62 P16
CO.300.13024	RAMP 4 SEATS VARIOUS GAS	3/8" Dx	UNI/2	0
CO.300.13025	RAMP 5 SEATS VARIOUS GAS	3/8" Dx	UNI/2	0

INDUSTRIAL RAMP UNI11144/IH SHUT-OFF VALVE HYDROGEN

Series **DRAH**

Modular ramp for the centralization of hydrogen systems.

RNIPLOIDROGENO
Swivel joint for ramp / ramp connection.

Code	Description	Inlet	outlet	Size
CO.300.13011	RAMP 1 PLACE H2	3/8" Dx	UNI/1H	H9 L15 P16
CO.300.13012	RAMP 2 SEATS H2	3/8" Dx	UNI/1H	H9 L37 P16
CO.300.13013	RAMP 3 SEATS H2	3/8" Dx	UNI/1H	H9 L62 P16
CO.300.13014	RAMP 4 SEATS H2	3/8" Dx	UNI/1H	0
CO.300.13015	RAMP 5 SEATS H2	3/8" Dx	UNI/1H	0
RNIPLOIDROGENO	JOINT GIRxRAMPA H2 214f. x 214f. SX	214 f.	214 f. Sinistro	0

INDUSTRIAL RAMP ACETYLENE SHUT-OFF VALVE NF E 29-658

Series **DRAD**

Modular ramp for the centralization of systems with acetylene.

RNIPLOIDROGENO
Swivel joint for ramp / ramp connection.

Code	Description	Inlet	outlet	Size
CO.300.13001	RAMP 1 PLACE C2H2	3/8" Dx	NF E 29-658	H9 L15 P16
CO.300.13002	RAMP 2 PLACES C2H2	3/8" Dx	NF E 29-658	H9 L37 P16
CO.300.13003	RAMP 3 PLACES C2H2	3/8" Dx	NF E 29-658	H9 L62 P16
CO.300.13004	RAMP 4 SEATS C2H2	3/8" Dx	NF E 29-658	0
CO.300.13005	RAMP 5 SEATS C2H2	3/8" Dx	NF E 29-658	0
RNIPLOACETILENE	JOINT GIRxRAMPA ACET JOINT 5/8"M.x5/8"M.SX NF	5/8" M	5/8" M Sinistro	0

PURE GAS RAMP WITH PURGE

Modular ramp for the centralization of pure gas systems. Analysis laboratory use Gas chromatography

APPLICATIONS
Pure gas ramp, technical alimentary with purge
CONNECTIONS
Inlet Frontal 21,7x14” O 20x 14”sin.
TECHNICAL FEATURES
PERFORMANCE
Gas Oxidizing and combustible gases
Inlet pressure 230 Bar MAX
Operating temperature -15° C +60°C
MATERIALS
Shutter Nylon with brass pit
Valve seat Chromed brass - CW617N-UNI EN 12165
Collector Brass blocks
HP chromed copper tube

Angular support in brushed stainless steel
CONNECTIONS
Inlet UNI 11144/2 (Oxidizing gas)
UNI 11144/1H (Oxidizing gas)
Outlet UNI 11144/2 (Oxidizing gas)
UNI 11144/1H (Oxidizing gas)
DIMENSIONS
Dimension 9 x 16 mm (1 seat ramp)
9 x 16 mm (2 seat ramp)
9 x 16 mm (3 seat ramp)
ACCESSORY DEVICES
HP hoses
Hose fittings

SAFETY DEVICES
Single unit test
Purge valve with piped discharge
Non-return flow valve
Over pressure safety valve

DOCUMENTATION
Conformity Declaration and Instruction of use

Code	Description
CO.300.13031	RAMP 1 PLACE PURE GAS WITH RID/PURGE
CO.300.13032	RAMP 2 SEATS PURE GAS WITH RID/PURGE
CO.300.13033	RAMP 3 SEATS PURE GAS WITH RID/PURGE
CO.300.13042	RAMP 2 PLACE PURE GASES WITH RID/PURGE CO
CO.300.13043	RAMP 3 PLACE PURE GASES WITH RID/PURGE CO

PURE ALIMENTARY OR TECHNICAL GAS RAMP WITH PURGE AND DIRECT INPUT CONNECTIONS FOR ¼ G COIL – 6
Performances mode

PERFORMANCE
PERFORMANCE
Gas Oxidizing and combustible gases
Inlet pressure 230 Bar MAX
Operating temperature -15° C +60°C
MATERIALS
MATERIALS
Shutter Nylon with brass pit
Valve seat Chromed brass - CW617N-UNI EN 12165
HP chromed copper tube

POSSIBILITY OF APPLICATION OF PRESSURE SWITCH WITH DUCTABLE PURGE.

Code	Description
CO.300.13032A	RAMP 2 SEATS PURE GAS WITH PURGE

VALVOLE PER RAMPA E PANNELLO

10470

10480 479

20702

TECHNICAL FEATURES

PERFORMANCE

Gas	Oxidizing and combustible gases
Inlet pressure	230 Bar MAX
Operating temperature	-15° C +60°C

MATERIALS

Shutter	Nylon with brass pit
Valve seat	Chromed brass - CW617N-UNI EN 12165
Collector	Brass blocks
HP chromed copper tube	
Angular support	Brushed stainless steel

CONNECTIONS

Inlet	UNI 11144/2 (Oxidizing gas)
	UNI 11144/1H (Oxidizing gas)
Outlet	UNI 11144/2 (Oxidizing gas)
	UNI 11144/1H (Oxidizing gas)

DIMENSIONS

Dimension	9 x 16 mm (1 seat ramp)
	9 x 16 mm (2 seat ramp)
	9 x 16 mm (3 seat ramp)

ACCESSORY DEVICES

HP hoses
Hose fittings

SAFETY DEVICES

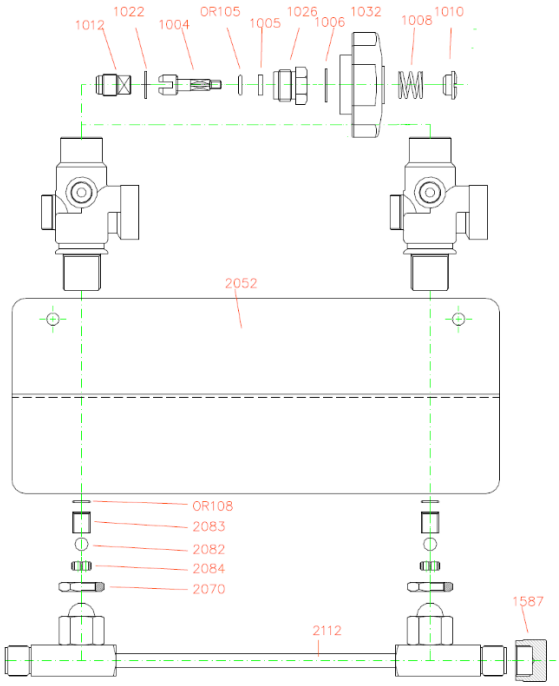
Single unit test
Purge valve with piped discharge
Non-return flow valve
Over pressure safety valve

DOCUMENTATION

Conformity Declaration and Instruction of use

Code	Description	Inlet	outlet	Gas
VI.207.10481	VAL.FUTURA 21,7-14" O2 21,7x14 per rampa	UNI 2	UNI2	O2
VI.322.20702	Val. FUTURA M10x1.5 21.7x14+21.7x14 QUAD	#VALORE!	UNI 1144/2	O2
VI.322.20702C	Val. FUTURA M10x1.5 24.32-24.32 DIN10AZO	#VALORE!	DIN10	N2
VI.236.10482	Val. FUTURA 25E 1 WAY X O-RING PACKS	25E	0,00	0

SPARE PARTS

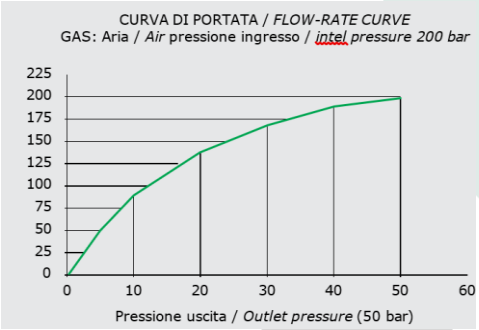


Code	Description	Gas
1010	MILLING WASHER W3/16	0
1008	HANDWHEEL SPRING (Ø1.4x14.6x13)SX	0
1032	GREEN FLYER FOR GROUP C/COVER	0
1006	NYLON HANDWHEEL ANTI-FRICTION WASHER	0
1026	PRESS GASKET G3/8	0
1005	GASKET SHAFT M12-1/2"UNF	0
OR105N	O-RING OR105 NITRILE	0
1004	SHAFT FOR M12x1.25	0
1022	COPPER GASKET PRESS GASKET W3/8	0
1012	PLATE HOLDER M12x1.25 COMPLETE	0
2051	STAINLESS STEEL PROFILE FOR RAMP 1 PLACE L.10	0
2052	STAINLESS STEEL PROFILE FOR RAMP 2 SEATS L.450	0
2053	STAINLESS STEEL PROFILE FOR 3-SEATER RAMP L.700	0
2054	STAINLESS STEEL PROFILE FOR 4-SEATER RAMP L.850	0
2055	STAINLESS STEEL PROFILE FOR 5-SEATER RAMP L.1100	0
OR108N	O-RING OR108 NITRILE 9SH	0
2083	RAMP CHECK VALVE GLASS	0
2082	SPHERE Ø3/8" FOR RAMP CHECK VALVE	0
2084	SCREW TWO HOLES FOR RAMP CHECK VALVE	0
2070	FIXING NUT FOR RAMP VALVE	0
1587	CAP O2 UNI	O2
2110	WELDED SHUNTS OXYGEN 1PLACE	O2
2111	WELDED SHUNTS HYDROGEN 1PLACE	H2
2112	WELDED SHUNTS OXYGEN 2PLACES	O2
2113	WELDED SHUNTS HYDROGEN 2PLACES	H2
2114	WELDED SHUNTS OXYGEN 3PLACES	O2
2115	WELDED SHUNTS HYDROGEN 3PLACES	H2
2116	WELDED SHUNTS OXYGEN 4PLACES	O2
Code	Description	Gas
1010	MILLING WASHER W3/16	0
1008	HANDWHEEL SPRING (Ø1.4x14.6x13)SX	0

TECHNICAL GAS DECOMPRESSION PANELS

Series DQD

Decompression panels for centralised technical gas and laser systems.



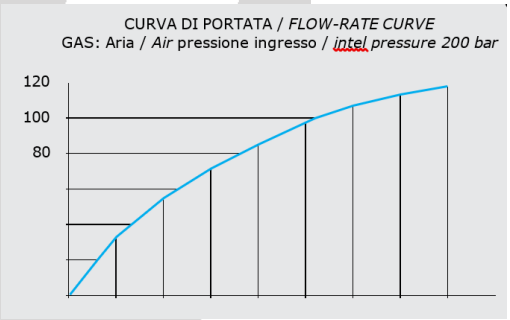
TECHNICAL FEATURES

PERFORMANCE

Gas	O2, N2, CO2, Ar/Mix
Inlet pressure	230 bar
Outlet pressure	15 bar - Adjustable 50 bar - Adjustable
Operating temperature	-15° C +60°C
Pressure reducer	See tab.
Techniques: reducers	RI.140.12800 x p.u. 15 bar RI.140.12900 x p.u. 50 bar RI.140.12811 x p.u. 1,5 bar Acetylene
Shut off valve	FUTURA valve with non-return valve

CONNECTIONS

Inlet	UNI -NF
Outlet	Ball valve 1/2" F.



DIMENSIONS AND WEIGHT

Dimensions	42x27x20cm
Weight	9 Kg

SAFETY DEVICES

Over pressure valve for oxygen
Over pressure valve for hydrogen
Over pressure valve for acetylene
Single unit test

Code	Description	Inlet	max outlet pressure	flow capacity	Gas
DQD1001	DECOMP FRAMEWORK. OPEN OXYGEN REG15 BAR	21,7 14 FIL W M.DX	15Bar	120,0	O2
DQD1001A	DECOMP FRAMEWORK. OPEN GAS VARIOUS 50MC	21,7 14 FIL W M.DX	15Bar	108,0	0
DQD1011	DECOMPRESSION PANEL 5BAR OPEN	21,7 14 FIL W M.DX	15Bar	205,0	0
DQD1011B	DECOMP FRAMEWORK. 5BAR BALANCED OPEN	21,7 14 FIL W M.DX	15Bar	209,0	0
DQD1021	DECOMP FRAMEWORK. OPEN ACETYLENE REG1,5 B	G 5/8" F.SX	1,5Bar	16,0	C2H2
DQD1031	DECOMP FRAMEWORK. OPEN HYDROGEN REG15 B	21,7 14 FIL W M.DX	15Bar	480,0	H2

Code	Description	Inlet	Outlet	Flow capacity
DVSLO202	SAFETY VALVE O2 1/2"M/F DX LINE	21,7 14 FIL W M.DX	1/2" f. Dx	120 m3/h
DVSLO207	SAFETY VALVE H2 1/2"M/F DX LINE	21,7 14 FIL W M.DX	1/2" f. Sx	480 m3/h
DVSLO212	SAFETY VALVE C2H2 1/2"M/F I. LIN	21,7 14 FIL W M.DX	1/2" f. Sx	15 m3/h

DECOMPRESSION PANELS FOR TECHNICAL GAS

Serie DQD

APPLICATIONS

Decompression panels for centralized technical pure gas and laser systems.

TECHNICAL FEATURES

PERFORMANCE

Gas	O2, N2, CO2, Ar/Mix
Inlet pressure	230 bar
Outlet pressure	15 bar – adjustable 50 bar - adjustable
Operating temperature	-15° C +60°C
Pressure reducer	See tab.

tecniche Riduttori: RI.140.12800 x p.u. 15 bar
RI.140.12900 x p.u. 50 bar
RI.140.12811 x p.u. 1,5 bar Acetylene

Shut off valve	FUTURA valve with non-return valve

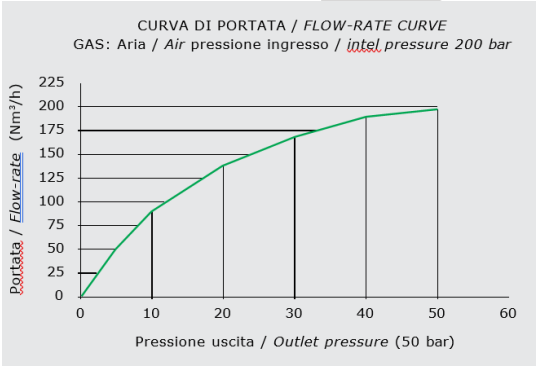
CONNECTIONS

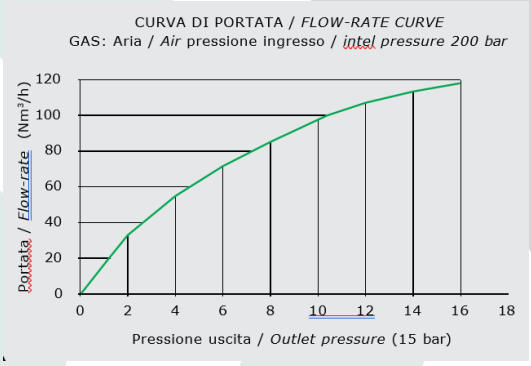
Inlet	UNI -NF
Outlet	Ball valve 1/2" F.

SAFETY DEVICES

Over pressure valve for oxygen
Over pressure valve for hydrogen
Over pressure valve for acetylene
Single unit test

PRE-HEATER CONNECTION SET-UP



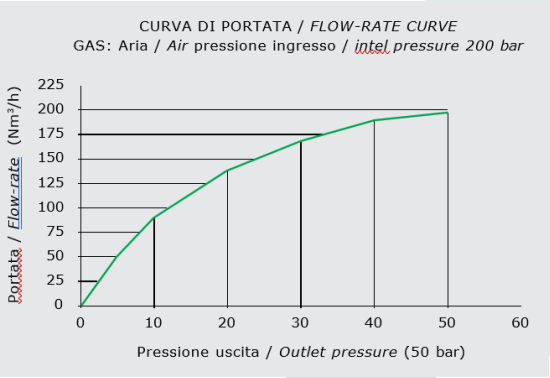


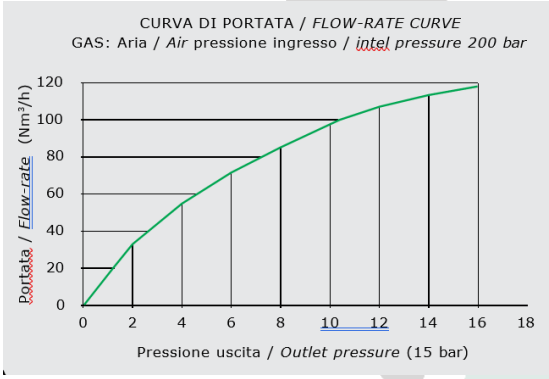
Code	Description	Inlet	max outlet pressure	flow capacity
DQD1000	OXYGEN DECOMPRESSION PANEL REG15 BAR	21,7 14 FIL W M.DX	5Bar	108,0
DQD1000P	PURE GAS DECOMPRESSION PANEL REG15 BAR	21,7 14 FIL W M.DX	5Bar	125,0
DQD1010	OXYGEN DECOMPRESSION PANEL REG5BAR	21,7 14 FIL W M.DX	5Bar	205,0
DQD1020	DECOMPRESSION PANEL ACETILEN REG1, BAR	G 5/8" F.SX	1,5 Bar	16,0
DQD1025	LPG DECOMPRESSION PANEL REG4 BAR	21,7 14 FIL W M.DX	5Bar	16,0
DQD1030	HYDROGEN DECOMPRESSION PANEL REG15 BA	20,14 FIL W M.DX	5Bar	480,0
DQD-IMP1000	DECOMP FRAMEWORK. OXYGEN IMPER1005BAR	0,00	0,0	0,0

TECHNICAL AND PURE GAS DECOMPRESSION PANELS WITH AUTOMATIC EXCHANGE AND MANUAL RESETTING 100 M^3H

Series DQD

Manual exchange panel for technical gas.





APPLICATIONS
Quadri di decompressione per impianti centralizzati gas tecnici puri e laseranti

TECHNICAL FEATURES

PERFORMANCE

Gas	O2-N2-Ar-air
Inlet pressure	230 Bar MAX
Outlet pressure	Adjustable from 0/15 Bar Adjustable from 0/50 Bar
Flow rate	See tab.
Operating temperature	-20° C +60°C

MATERIALS

Body	Chromed brass
Bell	Chromed brass CW617N-UNI EN 12165
Piston (for reducing to 50 bar)	Brass
Membran	(for reduction to 15 bar) Teflon
Fittings	Chromed

GAUGES

Full scale	HP 0-315 Bar LP 0-25 Bar LP 0-100 Bar
Accuracy class	2.5
Diameter	63 mm
Fitting	1/4" G.C

CONNECTIONS

Inlet	UNI 11144/2 (O2)
Outlet	Ball valve 1/2" F.

DIMENSIONS AND WEIGHT

Dimensions	635X230
Weight	15 Kg

ACCESSORY DEVICES
HP hoses
Hose fittings

SAFETY DEVICES
Over pressure safety valve
Sintered filter
Bronze filter in the anti-impurity inlet connection
Anti-unscrewing in the adjustment lever
Single unit test

ACCESSORIES OF THE SERIES
Pressure switches or pressure transducers set-up
PRE-HEATER

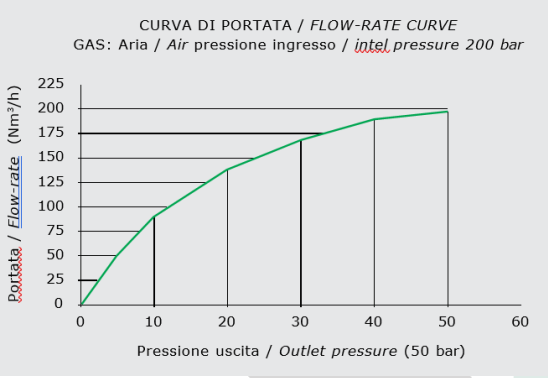
DOCUMENTAZIONE
Conformity Declaration and Instruction of use

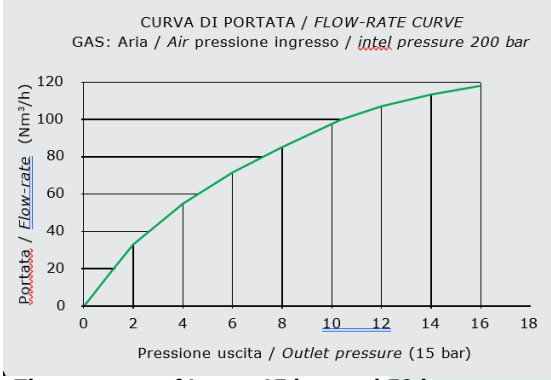
Code	Description	Inlet	max outlet pressure	flow capacity
DOPM310	QUADRO DECOMP SC/autom RIPR/man REG15bar	UNI 2	15 Bar	120,0
DOPM311	QUADRO DECOMP SC/autom RIPR/man REG50bar	UNI 2	5Bar	200,0

TECHNICAL AND PURE GAS DECOMPRESSION PANELS WITH AUTOMATIC EXCHANGE AND MANUAL RESETTING 50M^3/H

Series DQD

Manual exchange panel for technical gases.





Flow curves of Imper 15 bar and 50 bar.

APPLICATIONS
Decompression panels for centralized technical and pure gas systems

TECHNICAL FEATURES

PERFORMANCE

Gas	O2-N2-Ar-Air
Inlet pressure	230 Bar MAX
Outlet pressure	Adjustable 0/15 Bar Adjustable0/50 Bar
Flow rate	See tab.
Operating temperature	-20° C +60°C

MATERIALS

Body	Chromed brass
Bell	Chromed brass CW617N-UNI EN 12165
Piston (for reducing to 50 bar)	Brass
Membrane	(for reduction to 15 bar) Teflon
Fittings	Chromed

GAUGES

Full scale	HP 0-315 Bar LP 0-25 Bar LP 0-100 Bar
Accuracy class	2.5
Diameter	63 mm
Fitting	1/4” G.C

CONNECTIONS

Inlet	UNI 11144/2 (O2)
Outlet	Ball valve 1/2” F.

DIMENSIONS AND WEIGHT

Weight	15 Kg
Dimensions	635x230mm

ACCESSORY DEVICES
HP hoses
Hose fittings

SAFETY DEVICES
Over pressure safety valve
Sintered filter
Bronze filter in the anti-impurity inlet connection
Single unit test

ACCESSORIES OF THE SERIES
Pressure switches or pressure transducers set-up
PRE-HEATER

DOCUMENTATION
Conformity Declaration and Instruction of use

Code	Description	Inlet	max outlet pressure	flow capacity
DOPM10050	QUADRO DECOMP SC/autom RIAR/man REG15bar	UNI 2	15,0	120,0
DOPM10051	QUADRO DECOMP SC/autom RIAR/man REG50bar	UNI 2	50,0	200,0

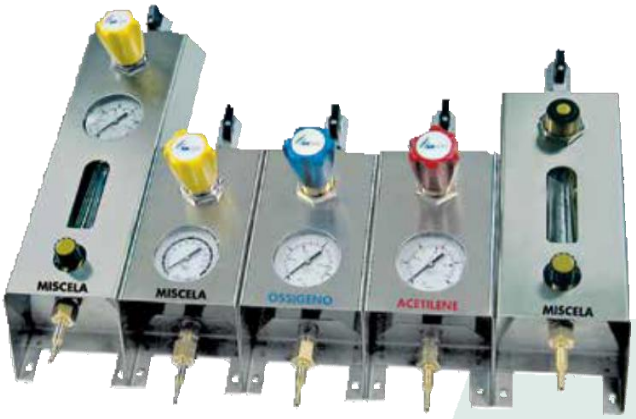
PRE-HEATER

Series DPRERIS

APPLICATIONS

Code	Description	Inlet
DPRERIS2	PREHEAT VARIOUS GASES 75W	UNI 2

Serie DPU



Modular use stations for medium-pressure centralized systems

APPLICATION

Distribution systems and welding equipment for technical gases

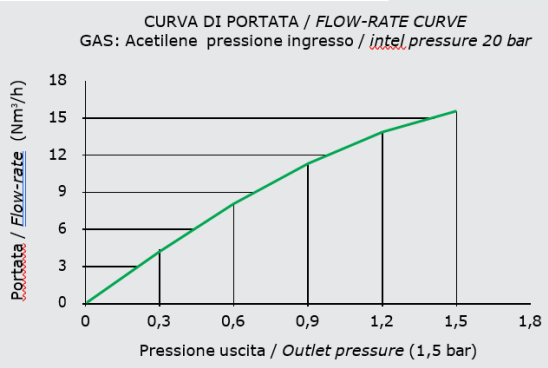
MATERIAL

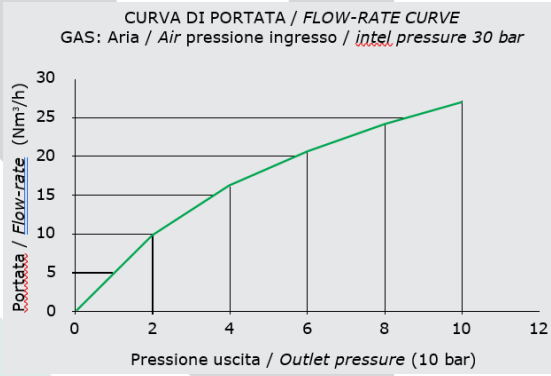
Structure	brushed stainless steel
Body	Hot pressed and treated brass
Brass bell	Black chromed

TECHNICAL FEATURES

Membrane	Ø 50
Ball valve inlet	3/8"
Filter	Stainless Steel
Pressure gauge	Ø63 compliant with ISO EN2503 standards
Outlet nut and hose holder for Ø 6/8 mm hose.	
Operating temperature	-15° +60° C
Single test unit	

Nb: We recommend using the over pressure safety valve for the use of oxygen and combustible gases.





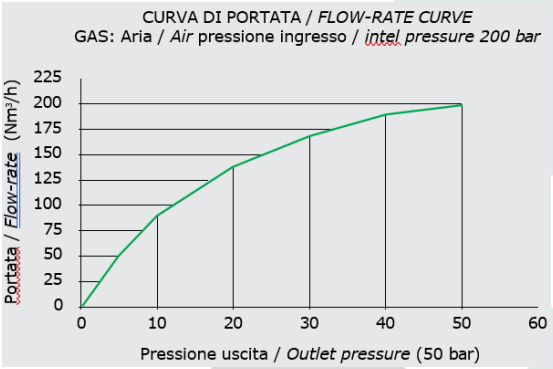
Code	Description	Inlet	Max inlet pressure	max outlet pressure	flow capacity	Gas
CO.500.13500	SOCKET PLACE P.U.10BAR GAS VARIOUS	UNI 2	3Bar	0-1Bar	30m³h	0
CO.500.13501	PLACE SOCKET P.U.1,5 ACETYLENE	UNI 2	2,5 Bar	0-1,5 Bar	4m³h	C2H2
CO.500.13507	SOCKET PLACE P.U.1,5 HYDROGEN SX	UNI 2	3Bar	1,5 Bar	100m³h	H2
CO.500.13505	SOCKET PLACE P.U.1,5 OXYGEN	UNI 2	3Bar	0-1,5 Bar	25m³h	O2
CO.500.13506	PLACE SOCKET P.U.4 LPG	UNI 2	6 Bar	0-4 Bar	6m³h	0
CO.500.13502	SOCKET PLACE WITH DIMFLOWMETER	UNI 2	3Bar	0,0	0-3lt/m	0
CO.500.13503	SOCKET PLACE WITH FLOW METER 0-3LT. Min	UNI 2	3Bar	0,0	0-3lt/m	0
CO.500.13504	SOCKET PLACE WITH PRESSURE GAUGE AND FLOW METER	UNI 2	3Bar	0-4 Bar	0-3lt/m	0

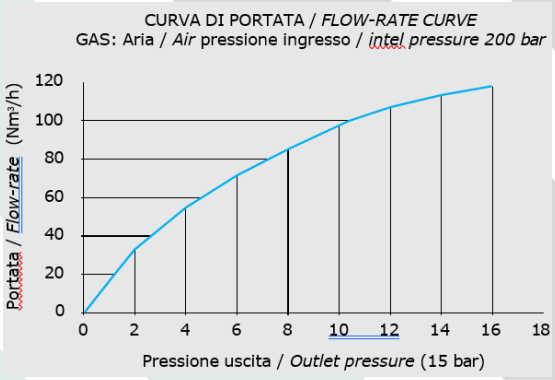
Code	Description	Inlet	Max inlet pressure	max outlet pressure	flow capacity	Gas
RI.200.13200	MISCELLANEOUS GAS SAFETY VALVE O2	UNI 2	230Bar	0-1Bar	45 m3/h	O2
RI.200.13201	SAFETY VALVE C2H2	3/8" Dx	230Bar	1,5 Bar	1m3/h	C2H2
RI.200.13202	SAFETY VALVE H2	3/8" Dx	230Bar	0-1Bar	19m3/h	H2

Series DPU

DESCRIPTION:

Large flow places for centralized systems with high output.
GPMS Pu reducer outlet 0/15 bar max.
GPPS Pu reducer outlet 0/50 bar max.
1/2" inlet ball valve f. right complete with socket weld connection for Ø 22 mm pipe.
Outlet connection 3/8" m. right complete with socket weld connection for Ø 8/10 mm pipe.
Stainless steel structure
Operating temperature -15° +60° C
Single unit test

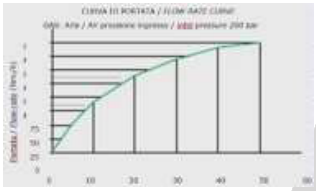




Code	Description	Inlet	Max inlet pressure	max outlet pressure	flow capacity
DPU0020	SOCKET PLACE P.U.15 BAR FLOW RATE 115 M3/H	UNI 2	3Bar	0-15 Bar	120,0
DPU0021	SOCKET PLACE P.U.5BAR FLOW RATE 115 M3/H	UNI 2	7Bar	0-5Bar	200,0

II STAGE IMPER REDUCER FOR LARGE FLOW RATE

Serie RI.145
The series of II stage IMPER reducers are for large flow rates, they allow pressure stability for centralized and laser systems.



REFERENCE TECHNICAL STANDARDS
Construction Regulation EN ISO 2503
APPLICATIONS
Large flow rates with strong outputs
TECHNICAL FEATURES
PERFORMANCE

Gas	O2-N2-Aria
Inlet pressure	30 bar for 15 bar reducer 70 bar for 50 bar reducer
Outlet pressure	Adjustable 0/15 bar
Flow rate	See tab.
Operating temperature	-15° +60°

MATERIALS

Body	Brass - CW617N-UNI EN 12165
Shutter	HP valve with PTFE seat
Valve bell	Painted Aluminium
Piston (for 50 bar reduc.)	Brass - CW617N-UNI EN 12165
Diaframma	Neoprene
Diameter	50 x rid. 15 bar
Filter	bronze, placed inside the inlet connection

GAUGES
GAUGES ISO 5171 diam. 63 mm class 2.5
LP gauge
Full scale
- 0/25 bar for 25bar reducer
- 0/70 bar for 50bar reducer

CONNECTIONS

Inlet	1/2" f. right
Outlet	1/2" f. right

Swivel reducer connection with o-ring seal
SAFETY
Single unit test

Code	Description	Inlet	Max inlet pressure	max outlet pressure	flow capacity
RI.145.12920	IMPER REDUCER G.P. IISTADIO A MEM15bar	UNI 2	230Bar	0-15	115,0
RI.145.12921	IMPER REDUCER G.P. IISTADIO A MEM50bar	UNI 2	230Bar	0-50	155,0

SAFETY VALVES

DVSLO

Series RI.200

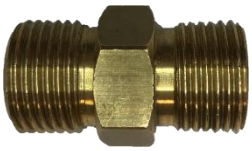
The safety valve must be an integral part of an efficient and safe work tool, essential for the protection of workers and industrial gas decompression systems.

Code	Description	Inlet	Max inlet pressure	flow capacity	Gas
RI.200.13200	MISCELLANEOUS GAS SAFETY VALVE O2	UNI 2	230Bar	45 m3/h	O2
RI.200.13201	SAFETY VALVE C2H2	3/8" Dx	230Bar	1m3/h	C2H2
RI.200.13202	SAFETY VALVE H2	3/8" Dx	230Bar	19m3/h	H2

DVSL

Code	Description	Inlet
DVSL300	OVERHEAD VALVE. LINE 3BAR -1/2"	UNI 2
DVSL301	OVERHEAD VALVE. LINE 5BAR -1/2"	UNI 2
DVSL302	OVERHEAD VALVE. LINE 4BAR -1/2"	0,00

Valve nipple 21,7-1/4” male



Code	Description
5148	JUNCTION 21.7-1/14 “MAS. - 21.7-1/14 “MAS.
5149	RACC. 21.7-1/14 “FEM. - G1/4 FEM. NIPLOXY

SWIVEL JOINTS

Series RNIPLOSSIGENO

Swivel joint for various gas ramp to ramp connection

Series RNIPLOIDROGENO

Swivel joint for various gas ramp to ramp connection for Hydrogen

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Series RNIPLOACETILENE

Swivel joint for various gas ramp to ramp connection for Acetylene

Code	Description	Inlet	Gas
RNIPLOSSIGENO	JOINT GIRxRAMPA GAS VARI 21,7fx21,7f DX	21,7 f.	O2 VARI
RNIPLOIDROGENO	JOINT GIRxRAMPA H2 214f. x 214f. SX	214 f.	H2
RNIPLOACETILENE	JOINT GIRxRAMPA ACET JOINT 5/8"M.x5/8"M.SX NF	5/8" M	0

HP FILTER

Code	Description
RI.150.12999	50MC HIGH PRESSURE FILTER

O-RINGS

Code	Description	Ø inside	thickness
OR000E	O-RING 00EPDM 1.42X1.52	1,42	1,52
OR101E	O-RING OR101 EPDM	2,90	1,78
OR101V	O-RING OR101 VITON	2,90	1,78
OR103E	O-RING OR103 EPDM	4,48	1,78
OR103N	O-RING OR103 NITRILE	4,48	1,78
OR103V	O-RING OR103 VITON	4,48	1,78
OR104E	O-RING OR104 EPDM	5,28	1,78
OR104EPDM	O-RING OR104 EPDM	5,28	1,78
OR104N	O-RING OR104 NITRILE	5,28	1,78
OR104V	O-RING OR104 VITON	5,28	1,78
OR5.6X1.8N	OR5.6X1.8 IN NITRILE	0,00	0,00
OR105E	O-RING OR105 EPDM	6,07	1,78
OR105ET	O-RING OR105 ETHYLENE PROPYLENE	6,07	1,78
OR105N	O-RING OR105 NITRILE	6,07	1,78
OR105N90	O-RING OR105 NITRILE 9SHORE	6,07	1,78
OR105V	O-RING OR105 VITON 9SH GREEN	6,07	1,78
OR106E	O-RING OR106 EPDM	6,75	1,78
OR106N	O-RING OR106 NITRILE	6,75	1,78
OR106V	O-RING OR106 VITON BLACK	6,75	1,78
OR107E	O-RING OR107 EPDM	7,65	1,78
OR107N	O-RING OR107 NITRILE 9SH	7,65	1,78
OR107V	O-RING OR107 VITON	7,65	1,78
OR108E	O-RING OR108 ETHYLENE-PROPYLENE	8,73	1,78
OR108N	O-RING OR108 NITRILE 9SH	8,73	1,78
OR108V	O-RING OR108 VITON	8,73	1,78
OR110E	O-RING OR11EPDM	9,25	1,78
OR110N	O-RING OR11NITRILE 9SH	9,25	1,78
OR110V	O-RING OR11VITON	9,25	1,78
OR113E	O-RING OR113 ETHYLENE PROPYLENE	10,77	2,62
OR113N	O-RING OR113 NITRILE	10,77	2,62
OR113V	O-RING OR113 VITON	10,77	2,62
OR113VRIC	O-RING OR113 VITON CHARGING	10,77	2,62
OR116E	O-RING OR116 EPDM 8SH	12,37	2,62
OR116N	O-RING OR116 NITRILE	12,37	2,62
OR116N90	O-RING OR116 NITRILE 9SHORE	12,37	2,62
OR116V	O-RING OR116 VITON	12,37	2,62
OR122N	O-RING OR122 NITRILE 3068	17,13	2,62
OR123N	O-RING OR123 NITRILE 9SH	17,86	2,62
OR123V	O-RING OR123 VITON	17,86	2,62
OR25X4N	OR 25X4 NITRILE	25,00	4,00
OR3131V	OR3131 VITON 2.62X32.99X38.23	32,99	2,62
ORAN19E	O-RING AN19 EPDM 4109SH	24,99	3,53
ORAN19N	O-RING AN19 NITRILE 4109SH	24,99	3,53
ORAN19V	O-RING AN19 VITON 4109SH	24,99	3,53
ORAN20N	O-RING AN2NITRILE (4106)	26,57	3,53
ORMS14E	O-RING MS14 EPDM 2059SH.	12,42	1,78
ORMS14N	O-RING MS14 NITRILE 2059SHORE	12,42	1,78
ORMS14V	O-RING MS14 VITON 2059SH.	12,42	1,78
ORMS15N	O-RING MS15 NITRILE 2056 9SH	14,00	1,78
ORMS17E	O-RING MS17 NEPDM 2068	17,70	1,78
ORMS17N	O-RING MS17 NITRILE 2068	17,70	1,78
ORMS19E	O-RING MS19 EPDM 2081	20,35	1,78
ORMS19N	O-RING MS19 NITRILE 2081	20,35	1,78

TROLLEY FOR CYLINDERS

Code	Description
CO.100.18052	TROLLEY FOR CYLINDER L.5/7
CO.100.18053	TROLLEY FOR CYLINDER L.10/14
CO.100.18055	TROLLEY FOR CYLINDER L.14

GENERAL TERMS AND CONDITIONS OF SALE

1.0 Contracts:

1.1 Each sales contract is always intended to be stipulated and finalised at the headquarters of the Seller, regardless of the place where the commission is given. All the following conditions, none excluded or excepted, are considered implicitly accepted with the placing of the order, even if the customer's order forms contain clauses different from those reported here.

1.2 The minimum order amount must be € 150,00.

2.0 Delivery:

2.1 The delivery terms indicated in the order are indicative and not binding; will be respected subject to the availability of the materials necessary for production and anything else relating to it. Any and all changes made by the customer to the delivery terms after the order are not valid.

2.2 Delays due to fires, strikes, delays in receiving goods, export and import constraints or other causes of force majeure, authorize the Seller to move the delivery terms, relieving it of any liability. Even in the event of such delays, the buyer always has the obligation to proceed with the total withdrawal of the quantity of goods ordered and committed.

2.3 In no case and for no reason is the selling company required to pay compensation of any kind for any direct or indirect damage due to delivery delays and this is because the terms indicated and accepted at the time of placing the order are not binding.

2.4 If the shipment or delivery takes place after the deadline established by order of the customer, the costs of storing the goods in the warehouse will be due to the seller, calculated at the rate of 1.5% of the goods invoice amount for each month of stock.

3.0 Shipping and returns:

3.1 The goods are intended to be supplied ex warehouse of departure unless otherwise agreed. They always travel on behalf and at the risk of the customer even in the case of agreed home delivery. The supply will be considered as having taken place with the delivery of the goods to the carrier indicated by the customer or, in the absence of timely notification, chosen by the Seller. All goods will be shipped by the Seller without insurance; if it is requested, any resulting costs will be borne by the customer.

3.2 Complaints relating to the state of the packaging, quantity or number of pieces must be declared on the delivery note and countersigned by the carrier, the company must be informed, via email, within seven days of receipt of the goods under penalty of forfeiture of any possible right of refund or replacement.

3.3 Returns of goods are not permitted unless after a specific agreement with th Seller. Any returned goods always travel at the exclusive risk of the customer and will only be accepted carriage paid.

3.4 Complaints or any other dispute that may arise as a consequence of the purchase-sale relationships regulated by these conditions do not give the customer the right to suspend or delay payments.

4.0 Prices

4.1 List prices may be varied or changed without any obligation to give prior notice to the client. Prices and all other conditions relating to an order are not binding for any subsequent orders of the same items. Any different agreements do not constitute a derogation from this principle and must be considered limited to the particular case. The prices indicated on the order or in any case agreed upon refer to goods delivered ex-warehouse and shall be borne by the purchaser, in addition to transport costs, packaging, duties, customs tariffs, insurance, special duties, taxes of any kind and in general all tax and ancillary charges of the contract. The prices are subject to revision in the event of changes in the exchange rate.

5.0 Terms of Payment

5.1 Payments shall be made under the conditions set forth in the order exclusively to the cash office of the Seller, the transmission of the sums being at the Purchaser's risk. The possible issuing of drafts constitutes a unilateral initiative of the Seller for a more convenient form of payment and does not imply any shift of territorial jurisdiction. Any discounts granted refer only to the amounts of the goods. No discounts or rebates not agreed upon and/or forfeited shall be recognised.

5.2 In the event of delayed payment, the annual interest shall automatically be charged on the basis of the official discount rate plus 4 percentage points from the due date, without any need for a formal notice. This is without prejudice to the right of the manufacturer, in the event of payment arrears, to suspend any ongoing supply.

6.0 Warranty

6.1 The products are tested before shipment, are guaranteed in accordance with the technical documentation supplied and are provided with the identification tag, affixed by the manufacturer which cannot be removed under any circumstances.

6.2 The warranty is twelve months from the date of collection of the products from the Seller and is limited to the replacement, ex Seller's warehouse, of those parts whose defects will be ascertained.

6.3 Parts that are normally subject to wear and tear are excluded from the guarantee and the guarantee in any case lapses if there has been use that does not comply with the indications in the catalogues or instruction sheets, contamination with improper materials, poor installation or maintenance, or mechanical breakage, modification or tampering.

6.4 The terms for the return of materials acknowledged to be defective and/or in need of repair shall be agreed with the purchaser; however, they shall be understood as identifying the same as the delivery terms.

6.5 In the event of a partial or total recall of a potentially defective batch, the costs associated with tracing the product are excluded from the reimbursement, and remain the responsibility of the purchaser.

6.6 If the purchaser's complaint is acknowledged to be justified, the seller is entitled to repair or replace the parts found to be defective.

6.7 Interventions for replacement under warranty shall be carried out ex vendor's warehouse and deliveries shall be agreed in advance with the same.

6.8 Replacement of goods is not permitted unless specifically agreed with the Seller.

6.9 Compensation for any damage to the purchaser shall not exceed the invoice price of the disputed products.

6.10 This guarantee excludes all other possible liability of the Seller in connection with the delivered products.

6.11 In particular, the purchaser may not make any other claims for damages, price reductions, termination of the contract or suspension of payments.

6.12 If payments are suspended, the guarantee shall be automatically suspended until payments are regularised.

6.13 Under no circumstances shall the Seller be liable for indirect or consequential damage.

7.0 Disputes

7.1 The place of jurisdiction for any dispute shall be Milan

"Pursuant to articles 1341, 1342 and s.s. of the Italian Civil Code, the following clauses are specifically approved: Deliveries 2.3, Shipment and returns 3.1 - 3.4 - Payment conditions 5.2 - Guarantees 6.2 - Disputes 7.1"

SAN-O-SUB MBB IS A MECHANICAL COMPANY WITH PRODUCTION HEADQUARTERS IN ITALY, FOUNDED IN MILAN IN 1934 FOR THE PRODUCTION OF INDUSTRIAL REDUCERS, VALVES AND MEDICAL PRODUCTS.

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