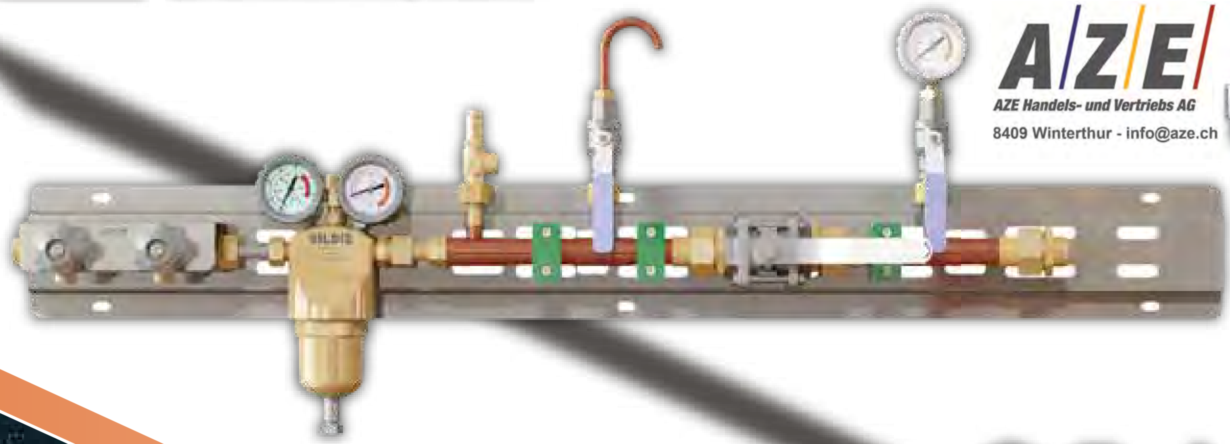
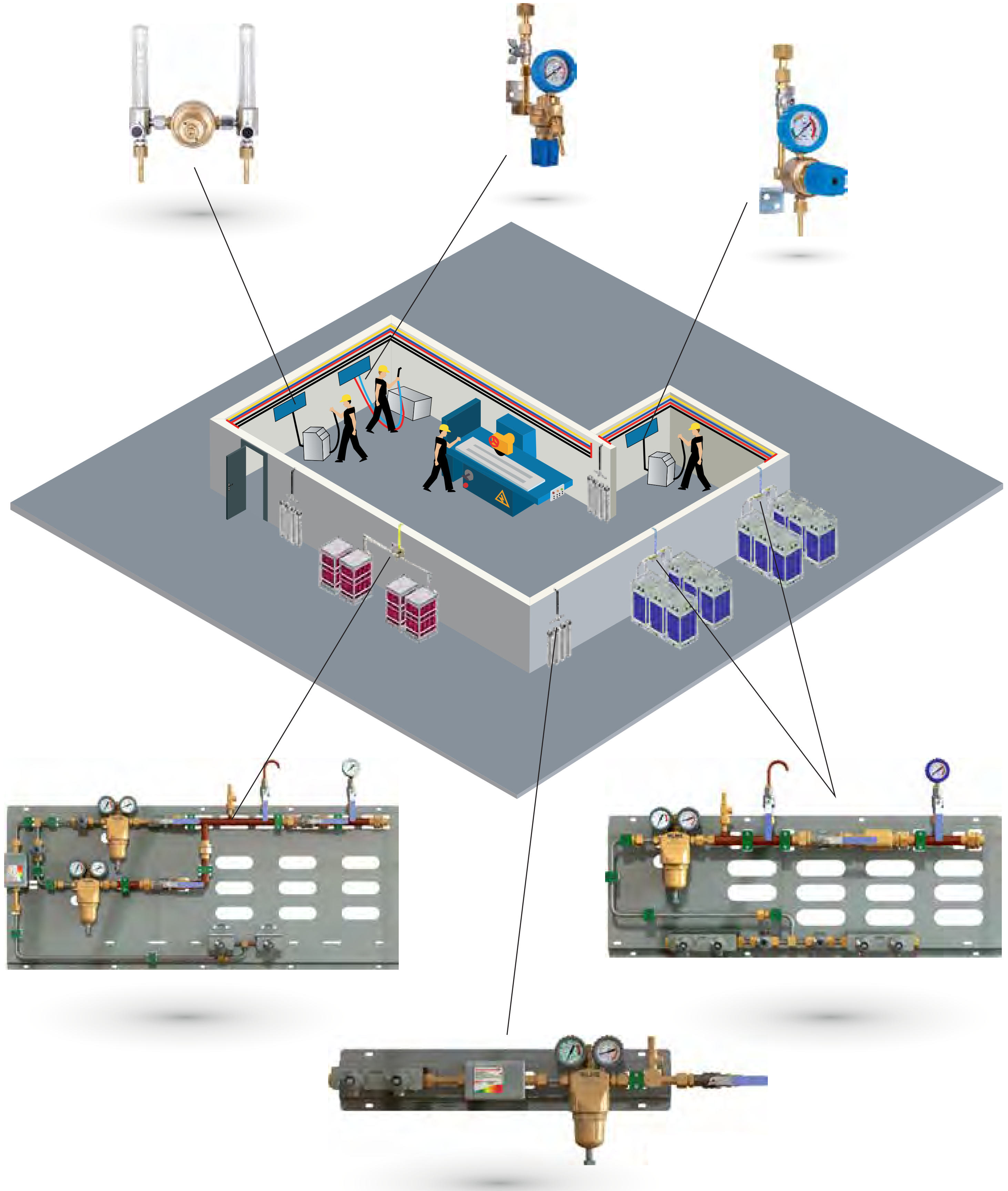
YILDIZ
GAZ ARMATÜRLERİ

CENTRAL SYSTEMS



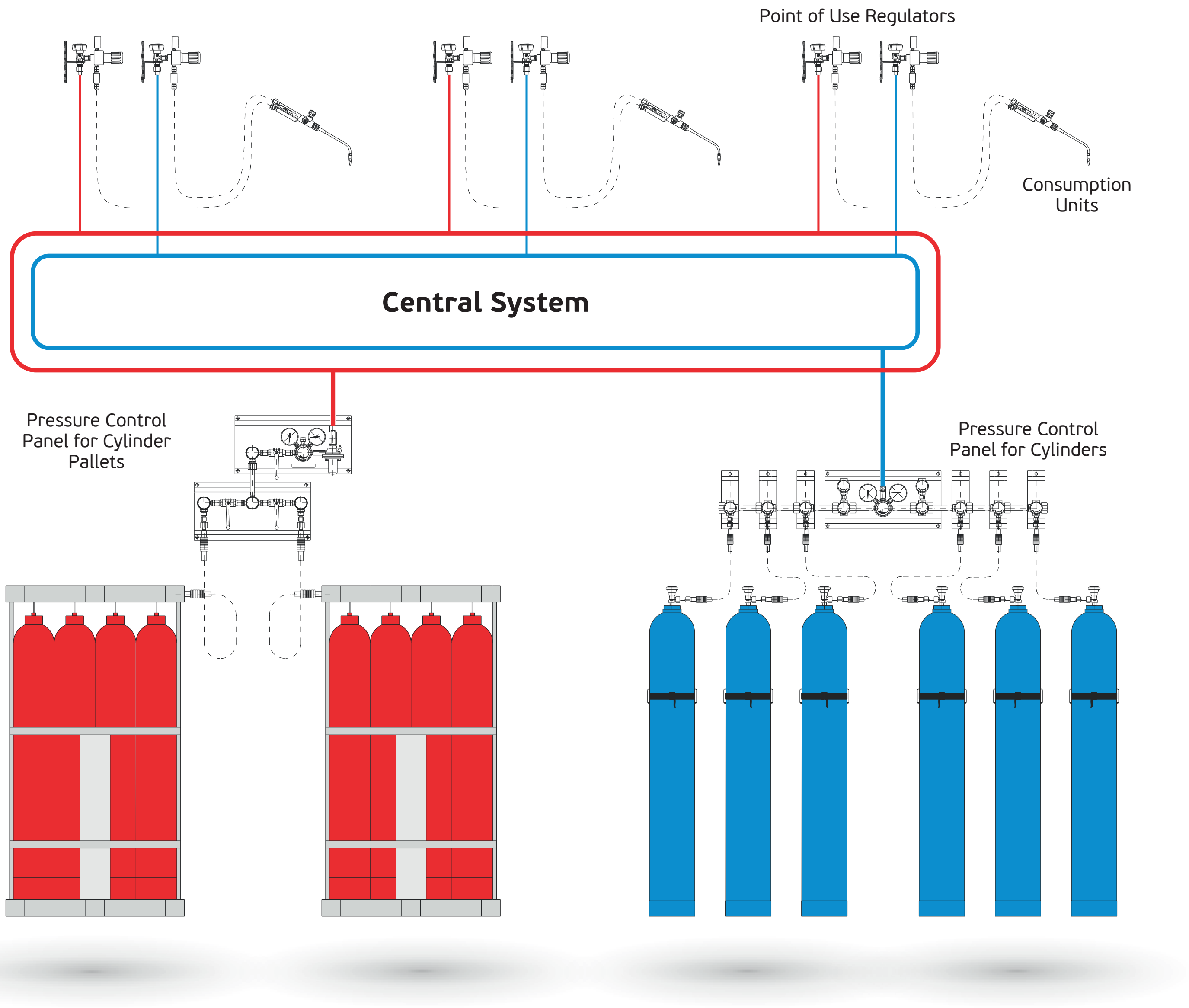
World of Welders

CENTRAL SYSTEM EQUIPMWNT (POINT OF USE)

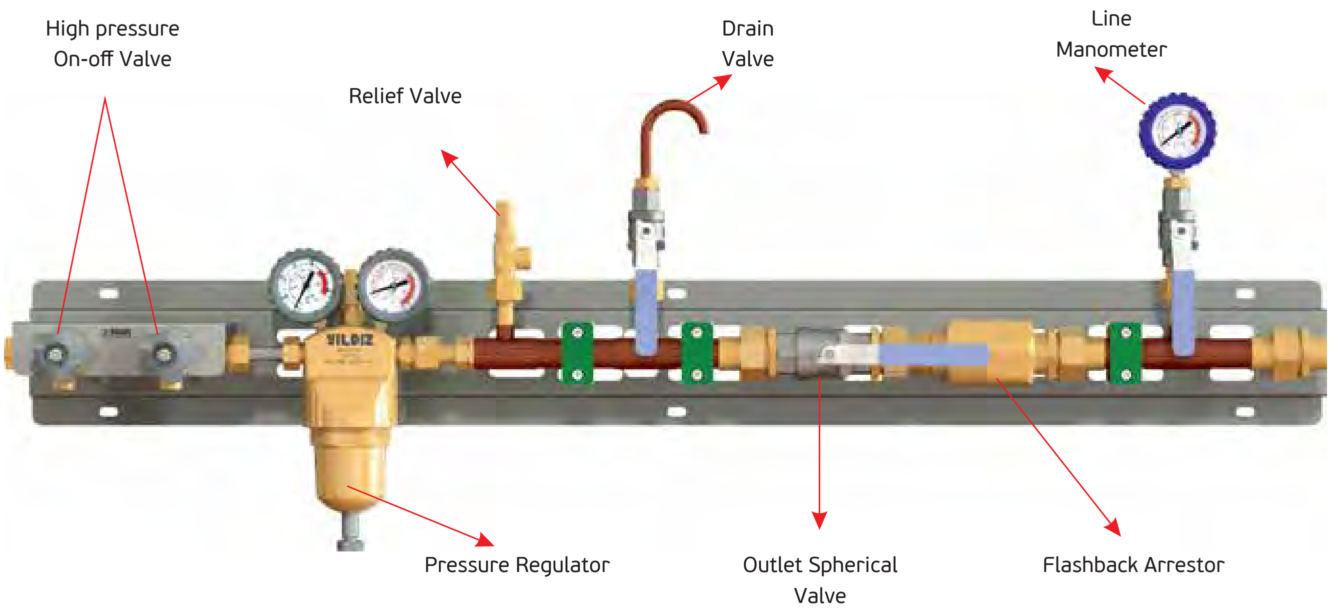


CENTRAL SYSTEMS

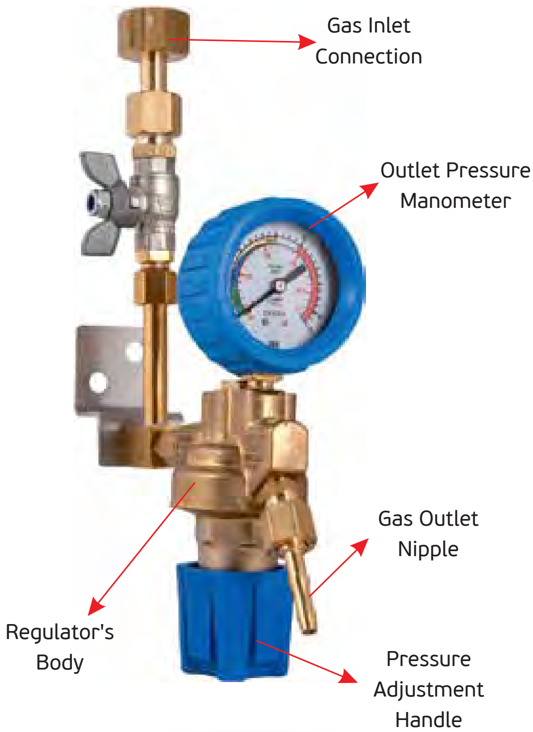
Central gas distribution systems are systems that enable the delivery of high-volume gas stored in special tanks and high-capacity gas sources to the end-use points. The gas is mostly used in the production facility in the form of high-pressure gas with steel cylinders or pallets formed by these cylinders. In enterprises where the central system is installed and available, the pressure of the gas coming from the source (fixed or mobile, tube pallets, cylinders or special containers) is reduced to the pressure level required by the central system with the high-pressure manifold with a regulator. Generally, steel, stainless steel and copper pipelines are used to provide gas transfers in the central system pipeline. At the end of the pipeline, it is equipped with point of use regulators to adjust the pressure and flow to be used. Central systems installed in industrial production facilities increase safety, savings and working efficiency depending on gas consumption.



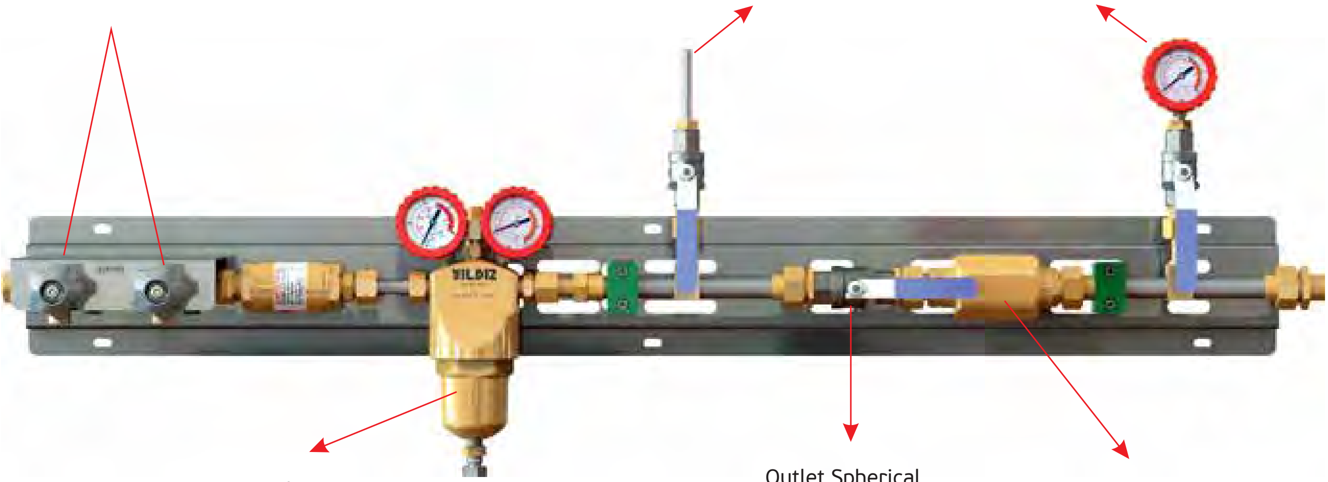
ACETYLENE MANIFOLD SECTIONS



POINT OF USE PRESSURE REGULATOR



ACETYLENE MANIFOLD SECTIONS



GENERAL FEATURES OF INDUSTRIAL GAS DISTRIBUTION SYSTEM PRODUCTS

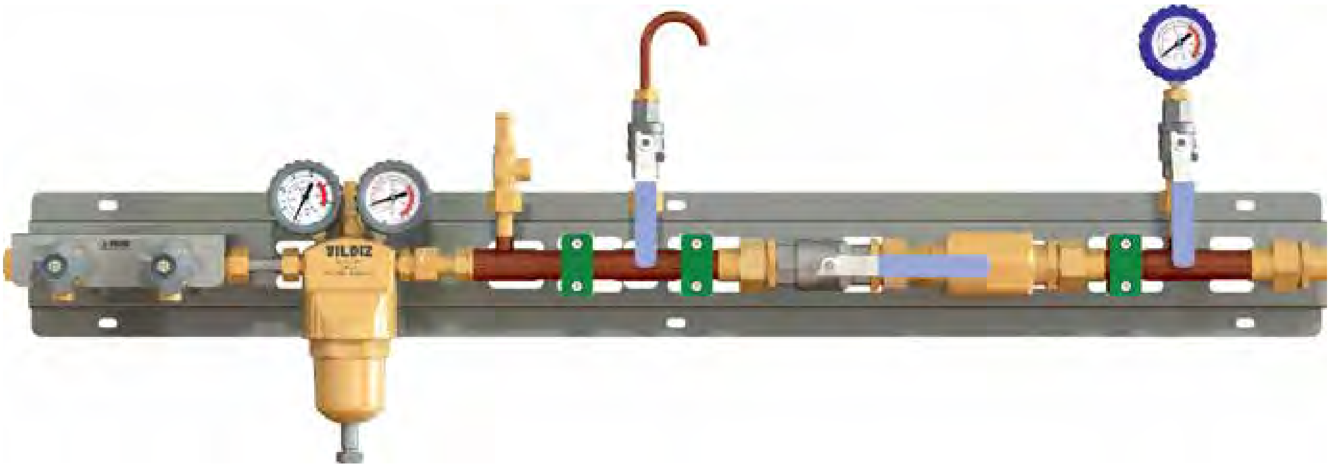
USAGE AREAS (SECTORS)	ADVATNAGES OF CENTRAL GAS DISTRIBUTION SYSTEM	INDUSTRIAL APPLICATİONS
• Automotive & Transportation • Metal&Glass&Plastic&Paper production and fabrication. • Chemical and Petrochemical • industry • Metallurgy • Petrol and gas refineries • Ports • Ecology and environment • Repair shops and workshops • Construction	• Continuous and non-stop gas distribution • Gas parameters can be adjusted more precisely • Safer working environment with the gas stored outside of the working area • More free space in the working area • Low gas costs	• Flame, plasma, and laser welding • Oxygen-flammable gas, plasma and laser cutting • Various heating applications • Gas supply in metallurgy and c hemical applications • Glass meting and heating

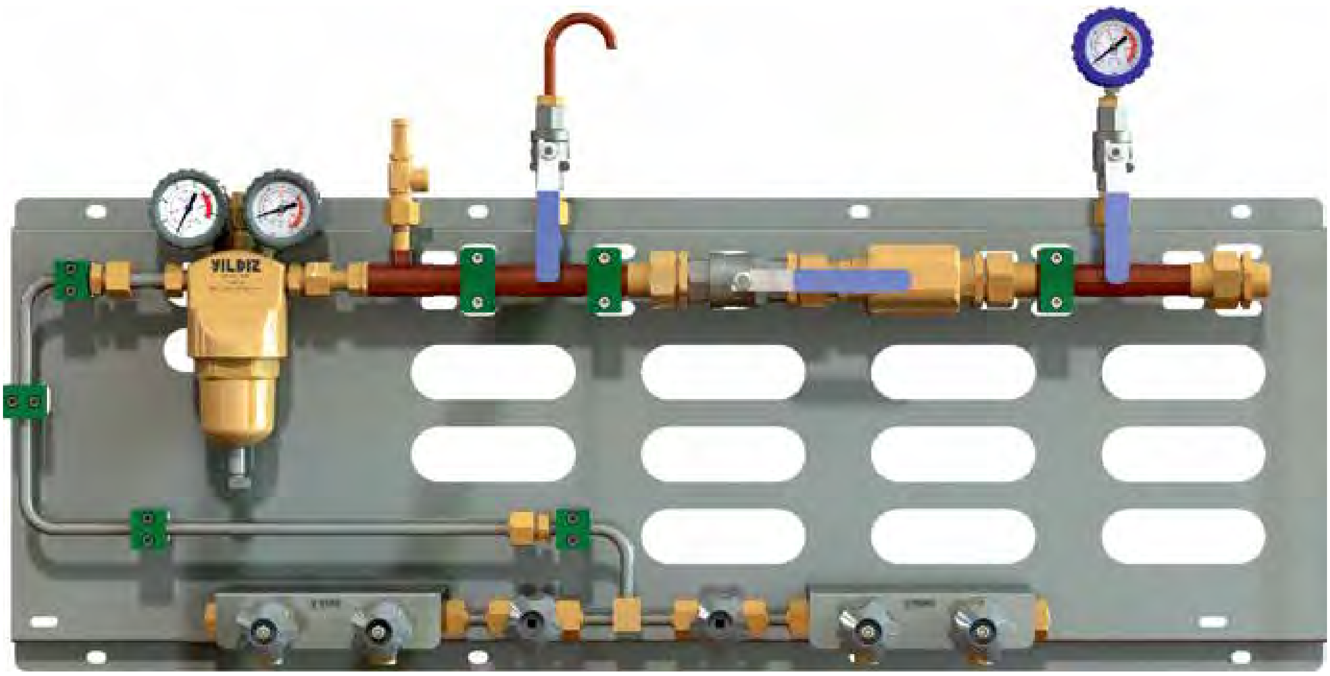
HIGH FLOW OXYGEN MANIFOLD SYSTEMS

Order No	MR1101-10	MR1101-20	MR1101-40	MR2201-10	MR2201-20	MR2201-40
Gas Type	Oxygen					
In let Pressure	0-230 Bar	0-230 Bar	0-230 Bar	0-230 Bar	0-230 Bar	0-230 Bar
Outlet Pressure	0-10 Bar	0-20 Bar	0-40 Bar	0-10 Bar	0-20 Bar	0-40 Bar
Line Safety Valve	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece
Relief Valve	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece
Flashblack Valve	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece
Manometer Line	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece
Cylinder Connection Valve	2 Piece	2 Piece	2 Piece	4 Piece	4 Piece	4 Piece
Max. Flow	600 m³/h	600 m³/h	600 m³/h	600 m³/h	600 m³/h	600 m³/h

*An optional heater can be added to all systems

**Cylinder connection valve can be increased optionally in all systems.



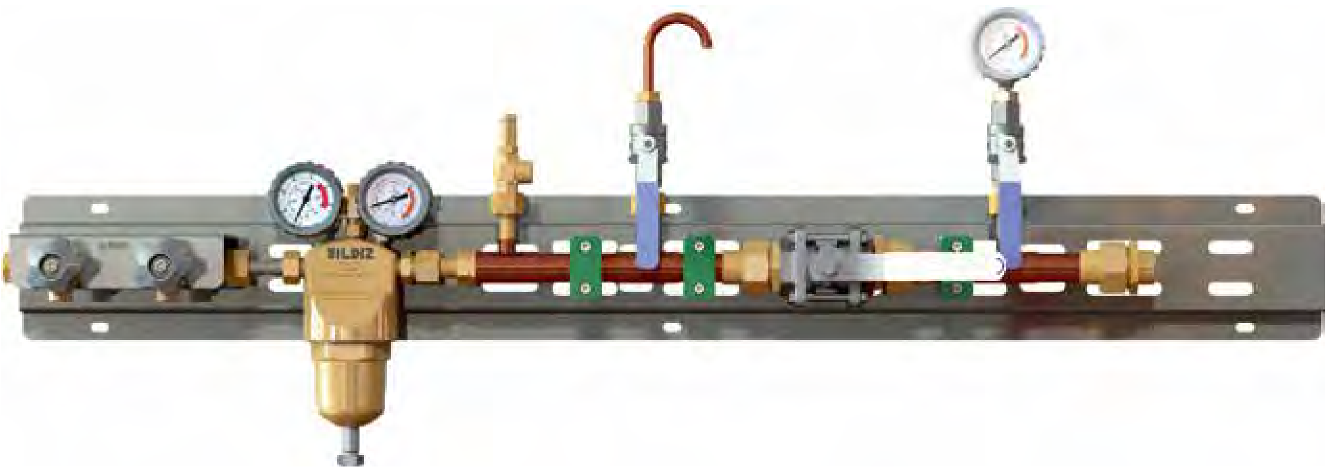


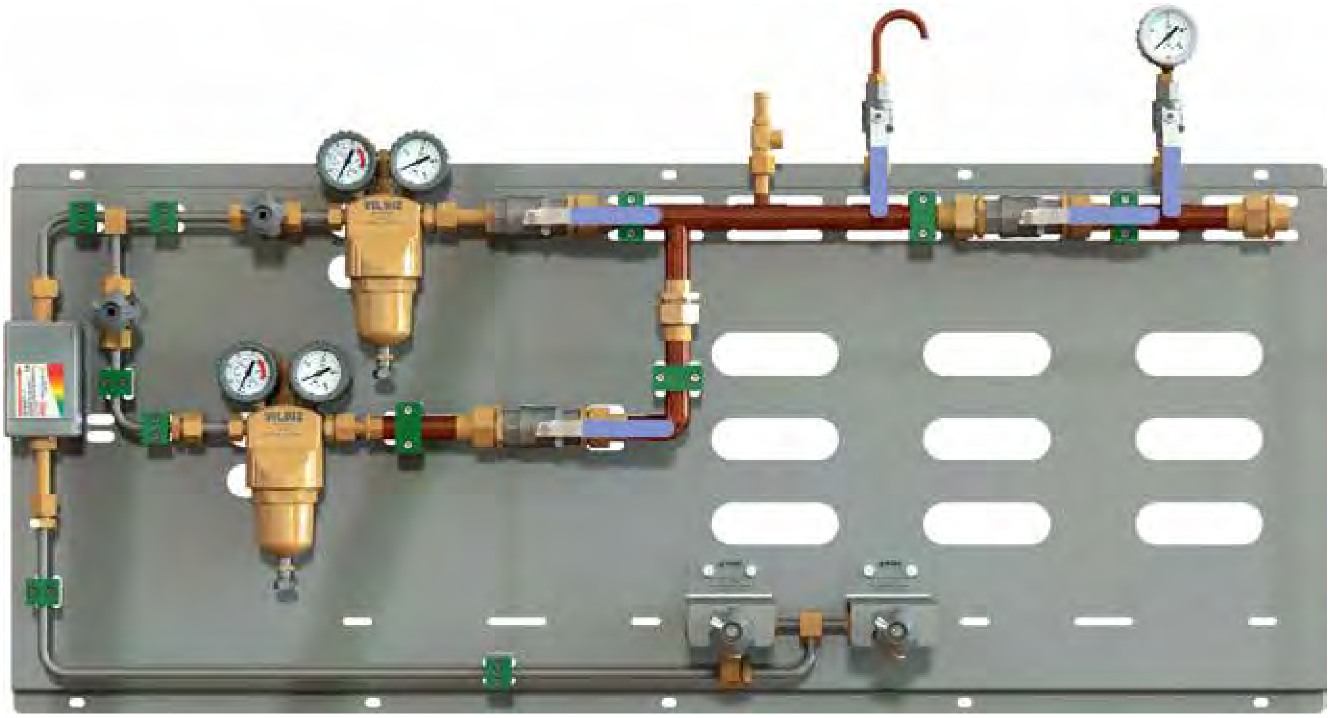
HIGH FLOW NITROGEN MANIFOLD SYSTEMS

Order No	MR1130-10	MR1130-20	MR1130-40	MR2230-10	MR2230-20	MR2230-40
Gas Type	Nitrogen					
Inlet Pressure	0-230 Bar	0-230 Bar	0-230 Bar	0-230 Bar	0-230 Bar	0-230 Bar
Outlet Pressure	0-10 Bar	0-20 Bar	0-40 Bar	0-10 Bar	0-20 Bar	0-40 Bar
Line Safety Valve	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece
Relief Valve	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece
Manometer Line	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece
Cylinder Connection	2 Piece	2 Piece	2 Piece	4 Piece	4 Piece	4 Piece
Valve Max. Flow	600 m³/h	600 m³/h	600 m³/h	600 m³/h	600 m³/h	600 m³/h

*An optional heater can be added to all systems

**Cylinder connection valve can be increased optionally in all systems.





HIGH FLOW ARGON MANIFOLD SYSTEMS

Sipariş No	MR1140-1-10	MR1140-1-20	MR1140-1-40	MR2240-1-10	MR2240-1-20	MR2240-1-40
Gas Type	Argon					
Inlet Pressure	0-230 Bar	0-230 Bar	0-230 Bar	0-230 Bar	0-230 Bar	0-230 Bar
Outlet Pressure	0-10 Bar	0-20 Bar	0-40 Bar	0-10 Bar	0-20 Bar	0-40 Bar
Line Safety Valve	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece
Relief Valve	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece
Manometer Line	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece
Cylinder Connection Valve	2 Piece	2 Piece	2 Piece	4 Piece	4 Piece	4 Piece
Max. Flow	600 m³/h	600 m³/h	600 m³/h	600 m³/h	600 m³/h	600 m³/h

*An optional heater can be added to all systems

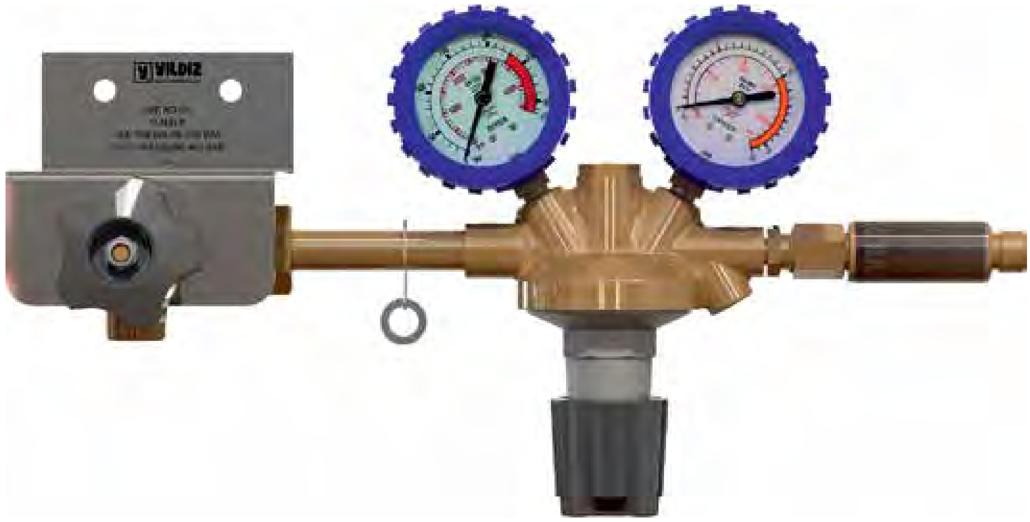
**Cylinder connection valve can be increased optionally in all systems.

HIGH FLOW MIXED GAS AND CO_2 MANIFOLD SYSTEMS

Order No	MR1142-10	MR1142-20	MR1142-40	MR2242-10	MR2242-20	MR2242-40
Gas Type	Mixed Gas and CO_2					
Inlet Pressure	0-230 Bar	0-230 Bar	0-230 Bar	0-230 Bar	0-230 Bar	0-230 Bar
Outlet Pressure	0-10 Bar	0-20 Bar	0-40 Bar	0-10 Bar	0-20 Bar	0-40 Bar
Line Safety Valve	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece
Relief Valve	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece
Manometer Line	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece
Heater	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece
Cylinder Connection Valve	2 Piece	2 Piece	2 Piece	4 Piece	4 Piece	4 Piece
Max. Flow	600 m³/h	600 m³/h	600 m³/h	600 m³/h	600 m³/h	600 m³/h

*Cylinder connection valve can be increased optionally in all systems.

CO_2 Gas Heating

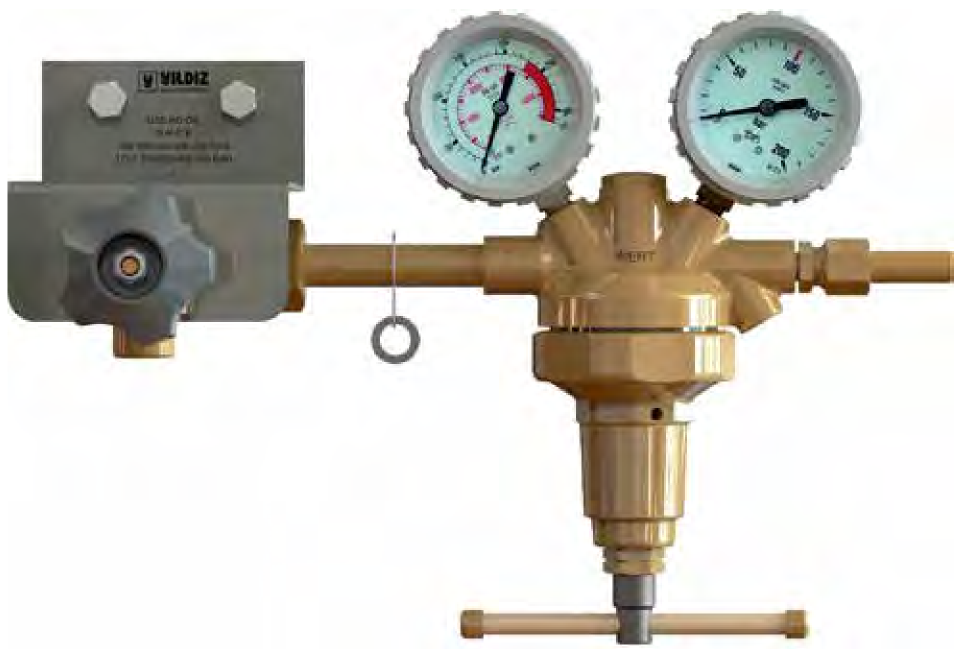


MINI MANIFOLD SYSTEM

Order No	Gas Type	Gas Inlet Pressure	Gas Outlet Pressure	Inlet Connection	Outlet Connection
YMM1001-10	Oxygen	230 bar	10 bar	W 21.8x1/14"	G3/8"
YMM1000-10	Nitrogen, Argon, Dry Air	230 bar	20 bar	W 21.8x1/14"	G3/8"
YMM1011	Acetylene	25 bar	1,5 bar	W 21.8x1/14" Left	G3/8" Left
YMM1020	Propane	25 bar	4 bar	W 21.8x1/14" Left	G3/8" Left
YMM1042-10	Mixed Gas and CO_2 (Heater)	230 bar	10 bar	W 21.8x1/14"	G3/8"
YMM1070-10	Hydrogen	230 bar	10 bar	W 21.8x1/14" Left	G3/8" Left
YMM1080-10	Natural Gas	230 bar	10 bar	W 21.8x1/14" Left	G3/8" Left

TECHNICAL SPECIFICATIONS

Regulator Type	:	5200 Series
Body, Cover Material	:	Brass, Zinc
Connection Material	:	Brass
Flashback Arrestor	:	YILDIZ
Max. Inlet Pressure	:	230 Bar
Working Temperature	:	(-20°C) - (+60°C)



HIGH PRESSURE MANIFOLD SYSTEM

Order No	Gas Type	Gas Inlet Pressure	Gas Outlet Pressure	Inlet Connection	Outlet Connection
YMM1000-100	Nitrogen, Argon, Dry Air	230 bar	100 bar	W 21.8x1/14"	G3/8"

TECHNICAL SPECIFICATIONS

Regulator Type	:	50200 Series
Body, Cover Material	:	Brass
Connection Material	:	Brass
Flashback Arrestor	:	230 Bar
Max. Inlet Pressure	:	165 m³/h
Working Temperature	:	(-20°C) - (+60°C)

MEDIUM SCALE INERT GAS MANIFOLD SYSTEM

Order No	Gas Type	Gas Inlet Pressure	Gas Outlet Pressure	Inlet Connection	Outlet Connection
YM1100-10	Nitrogen, Argon, Dry Air	230 bar	10 bar	W 21.8x1/14"	G 3/4"
YM1100-20			20 bar		
YM1100-40			40 bar		

TECHNICAL SPECIFICATIONS

Regulator Type	:	5050S Series
Body, Cover Material	:	Brass
Connection Material	:	Brass, Stainless Steel
Line Safety Valve	:	15 Bar - 25 Bar - 45 Bar :
Ball Valve	:	1/2" Stainless Steel
Max. Inlet Pressure	:	230 Bar
Maximum Flow	:	600 m³/h
Working Temperature	:	(-20°C) - (+60°C)

MEDIUM SCALE OXYGEN MANIFOLD SYSTEM

Order No	Gas Type	Gas Inlet Pressure	Gas Outlet Pressure	Inlet Connection	Outlet Connection
YM1101-10	Oxygen	230 bar	10 bar	W 21.8x1/14"	G 3/4"
YM1101-20			20 bar		
YM1101-40			40 bar		

TECHNICAL SPECIFICATIONS

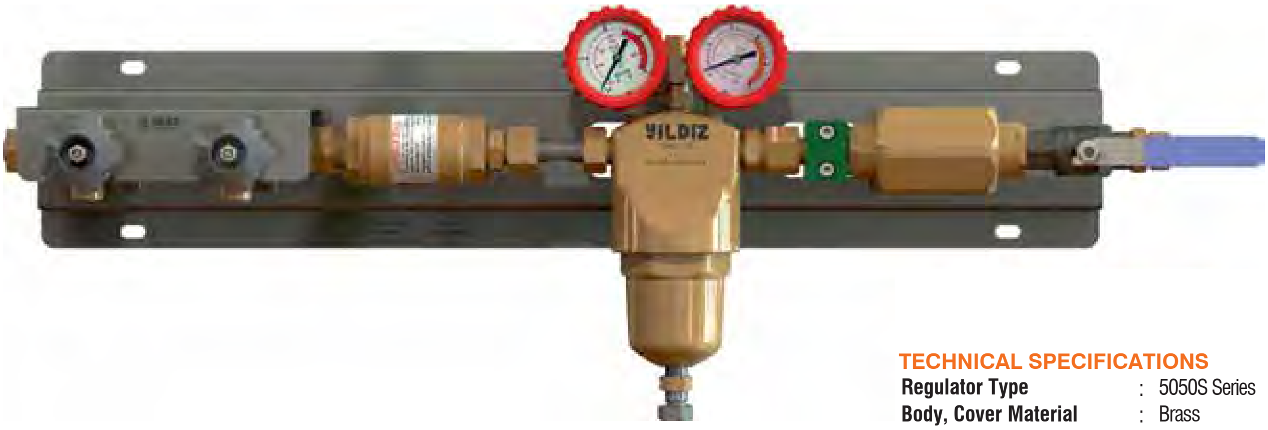
Regulator Type	:	5050S Series
Body, Cover Material	:	Brass
Connection Material	:	Brass, Stainless Steel
Flashback Arrestor	:	IBEDA
Line Safety Valve	:	15 Bar - 25 Bar - 45 Bar
Spherical Valve	:	1/2" Stainless Steel
Max. Inlet Pressure	:	230 Bar
Maximum Flow	:	600 m³/h
Working Temperature	:	(-20°C) - (+60°C)

TECHNICAL SPECIFICATIONS

Regulator Type	:	5050S Series
Body, Cover Material	:	Brass
Connection Material	:	Brass, Stainless Steel
Heater	:	IBEDA GVW 250
Line Safety Valve	:	15 Bar - 25 Bar - 45 Bar
Ball Valve	:	1/2" Stainless Steel
Max. Inlet Pressure	:	230 Bar
Maximum Flow	:	600 m³/h
Working Temperature	:	(-20°C) - (+60°C)

MEDIUM SCALE MIXED GAS AND CO_2 MANIFOLD SYSTEM

Order No	Gas Type	Gas Inlet Pressure	Gas Outlet Pressure	Inlet Connection	Outlet Connection
YM1142-10	Mixed Gas and CO_2	230 bar	10 bar	W 21.8x1/14"	G 3/4"
YM1142-20			20 bar		
YM1142-40			40 bar		

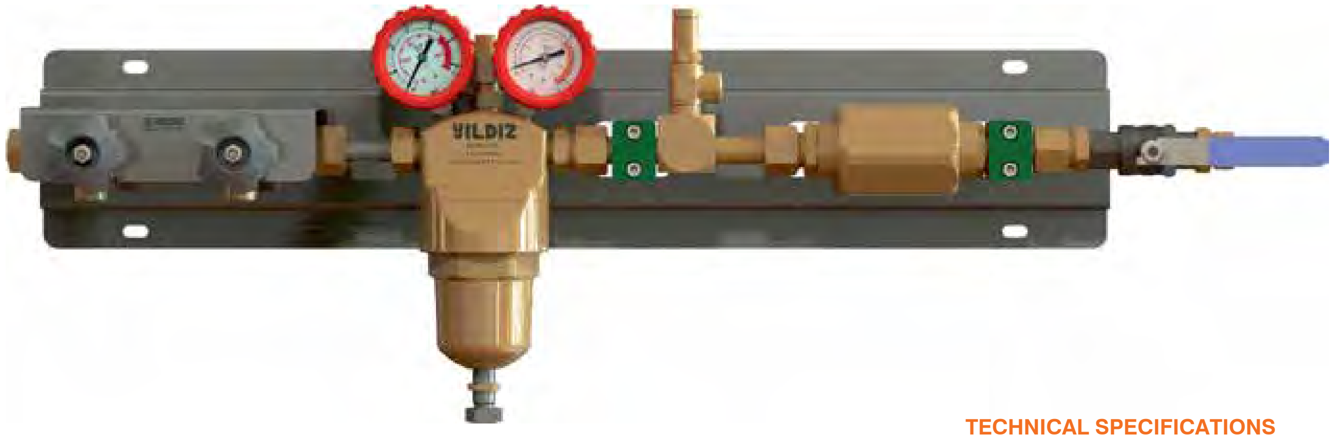


TECHNICAL SPECIFICATIONS

Regulator Type	:	5050S Series
Body, Cover Material	:	Brass
Connection Material	:	Brass, Stainless Steel
Flashback Arrestor	:	IBEDA
Quick Action Shut off Valve	:	IBEDA SSE
Ball Valve	:	1/2" Stainless Steel
Max. Inlet Pressure	:	25 Bar
Maximum Flow	:	27 m³/h
Working Temperature	:	(-20°C) - (+60°C)

MEDIUM SCALE ACETYLENE GAS MANIFOLD SYSTEM

Sipariş No	Gas Type	Gas Inlet Pressure	Gas Outlet Pressure	Inlet Connection	Outlet Connection
YM1111	Acetylene	25 bar	1,5 bar	W 21.8x1/14" Sol	G 3/4"

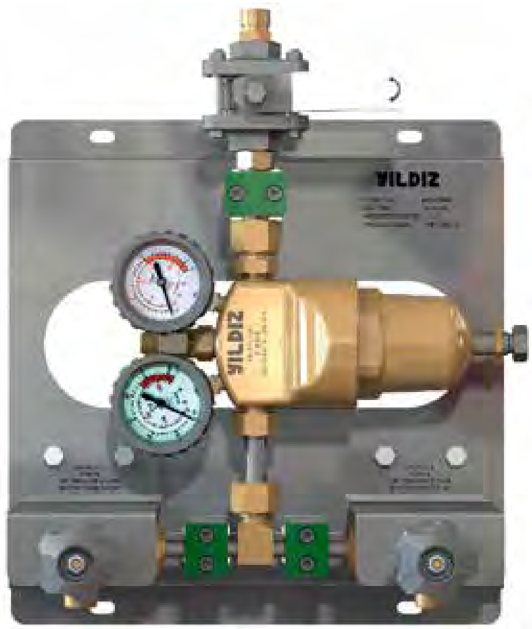


MEDIUM SCALE HYDROGEN GAS MANIFOLD SYSTEM

Gas Type	Gas Type	Gas Inlet Pressure	Gas Outlet Pressure	Inlet Connection	Outlet Connection
YM1170-10	Hydrogen	230 bar	10 bar	W 21.8x1/14" Left	G 3/4"
YM1170-20			20 bar		
YM1170-40			40 bar		

TECHNICAL SPECIFICATIONS

Regulator Type	:	5050S Series
Body, Cover Material	:	Brass
Connection Material	:	Brass, Stainles Steel
Flashback Arrestor	:	IBEDA
Ball Valve	:	1/2" Stainles Steel
Max. Inlet Pressure	:	230 Bar
Maximum Flow	:	600 m³/h
Wall Sheet	:	Galvanized Steel
Working Temperature	:	(-20°C) - (+60°C)



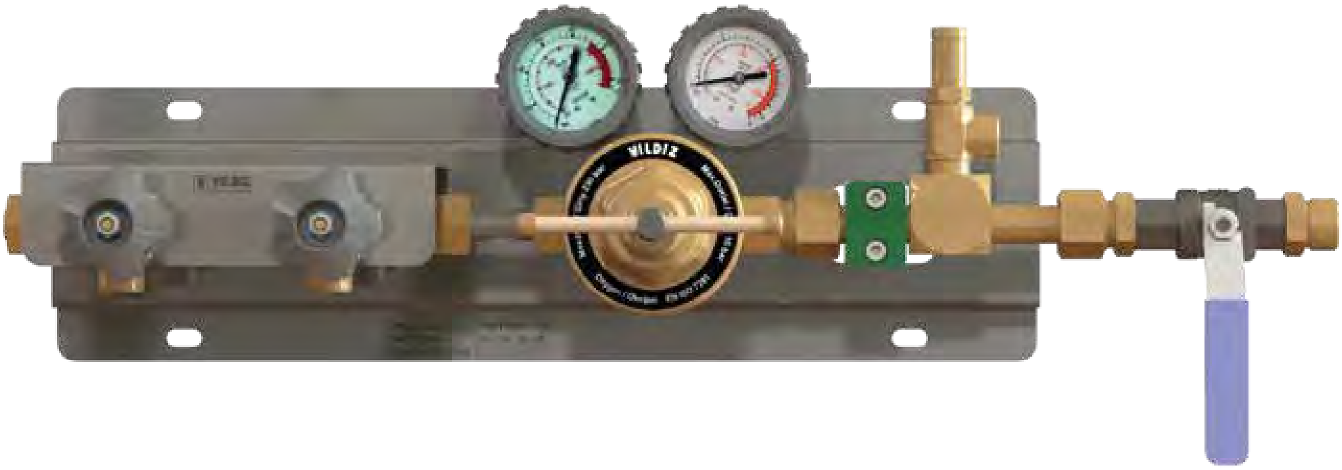
MEDIUM SCALE INERT GAS VERTICAL MANIFOLD SYSTEM

Order No	Gas Type	Gas Inlet Pressure	Gas Outlet Pressure	Inlet Connection	Outlet Connection
YM1100D-10	Oxygen , Inert	230 bar	10 bar	W 21.8x1/14"	G 3/4"
YM1100D-20			20 bar		
YM1100D-40			40 bar		

**Regulators are including a safety valve*

TECHNICAL SPECIFICATIONS

Regulator Type	:	5050S Series
Body, Bonnet Material	:	Brass
Connectors&Fittings Mat.	:	Brass , Stainless Steel
Ball Valve	:	1/2" Stainless Steel
Max. Inlet Pressure	:	230 Bar
Nominal Flow Rate	:	300 m³/h
Temperature range	:	(-20°C) - (+60°C)
Wall Bracket	:	Stainless Steel

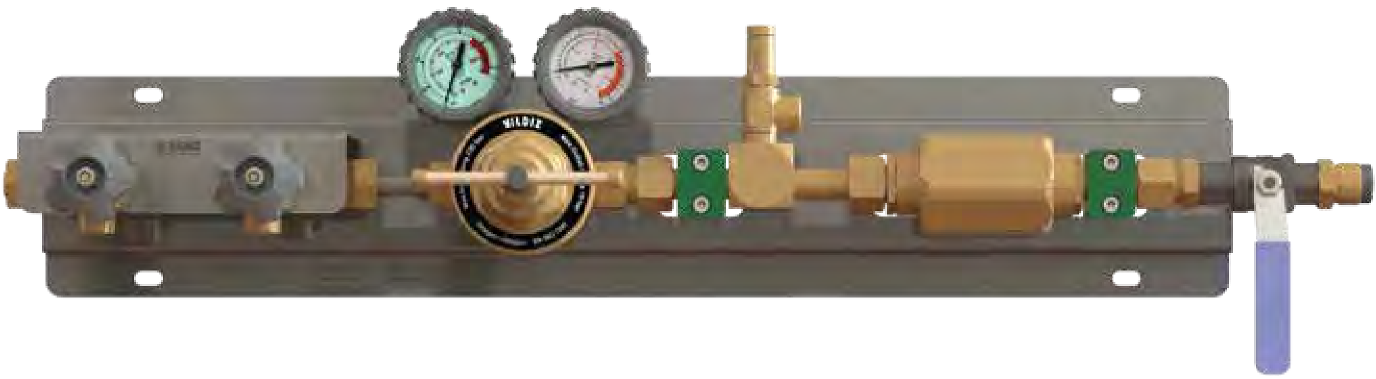


MEDIUM SCALE INERT GAS MANIFOLD SYSTEM

Order No	Gas Type	Gas Inlet Pressure	Gas Outlet Pressure	Inlet Connection	Outlet Connection
YM1100-410	Nitrogen, Argon, Dry Air	230 bar	10 bar	W 21.8x1/14"	G 3/4"
YM1100-420			20 bar		
YM1100-440			40 bar		

TECHNICAL SPECIFICATIONS

Regulator Type	:	5040S Series
Body, Cover Material	:	Brass
Connection Material	:	Brass, Stainless Steel
Line Safety Valve	:	15 Bar - 25 Bar - 45 Bar
Ball Valve	:	1/2" Stainless Steel
Max. Inlet Pressure	:	230 Bar
Max. Flow	:	600 m³/h
Working Temperature	:	(-20°C) - (+60°C)

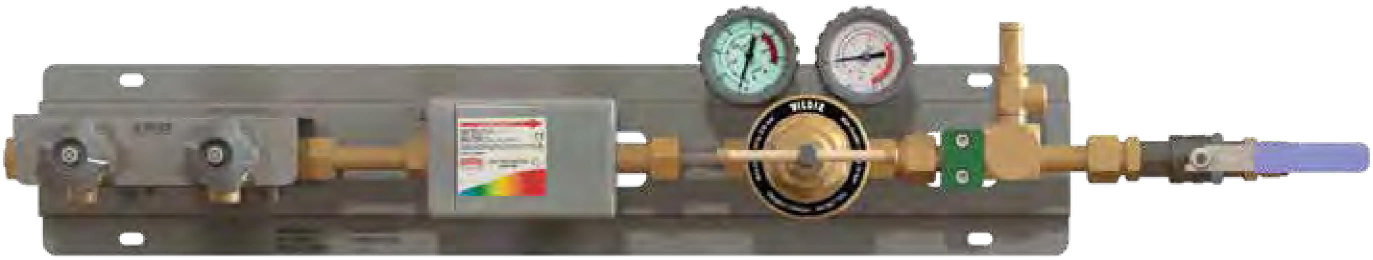


MEDIUM SCALE OXYGEN MANIFOLD SYSTEM

Order No	Gas Type	Gas Inlet Pressure	Gas Outlet Pressure	Inlet Connection	Outlet Connection
YM1101-410	Oxygen	230 bar	10 bar	W 21.8x1/14"	G 3/4"
YM1101-420			20 bar		
YM1101-440			40 bar		

TECHNICAL SPECIFICATIONS

Regulator Type	:	5040S Series
Body, Cover Material	:	Brass
Connection Material	:	Brass, Stainless Steel
Flashback Arrestor	:	IBEDA
Line Safety Valve	:	15 Bar - 25 Bar - 45 Bar
Ball Valve	:	1/2" Stainless Steel
Max. Inlet Pressure	:	230 Bar
Max. Flow	:	600 m³/h
Working Temperature	:	(-20°C) - (+60°C)



MEDIUM SCALE MIXED GAS AND CO_2 MANIFOLD SYSTEM

Order No	Gas Type	Gas Inlet Pressure	Gas Outlet Pressure	Inlet Connection	Outlet Connection
YM1142-410	Mixed Gas and CO_2	230 bar	10 bar	W 21.8x1/14"	G 3/4"
YM1142-420			20 bar		
YM1142-440			40 bar		

TECHNICAL SPECIFICATIONS

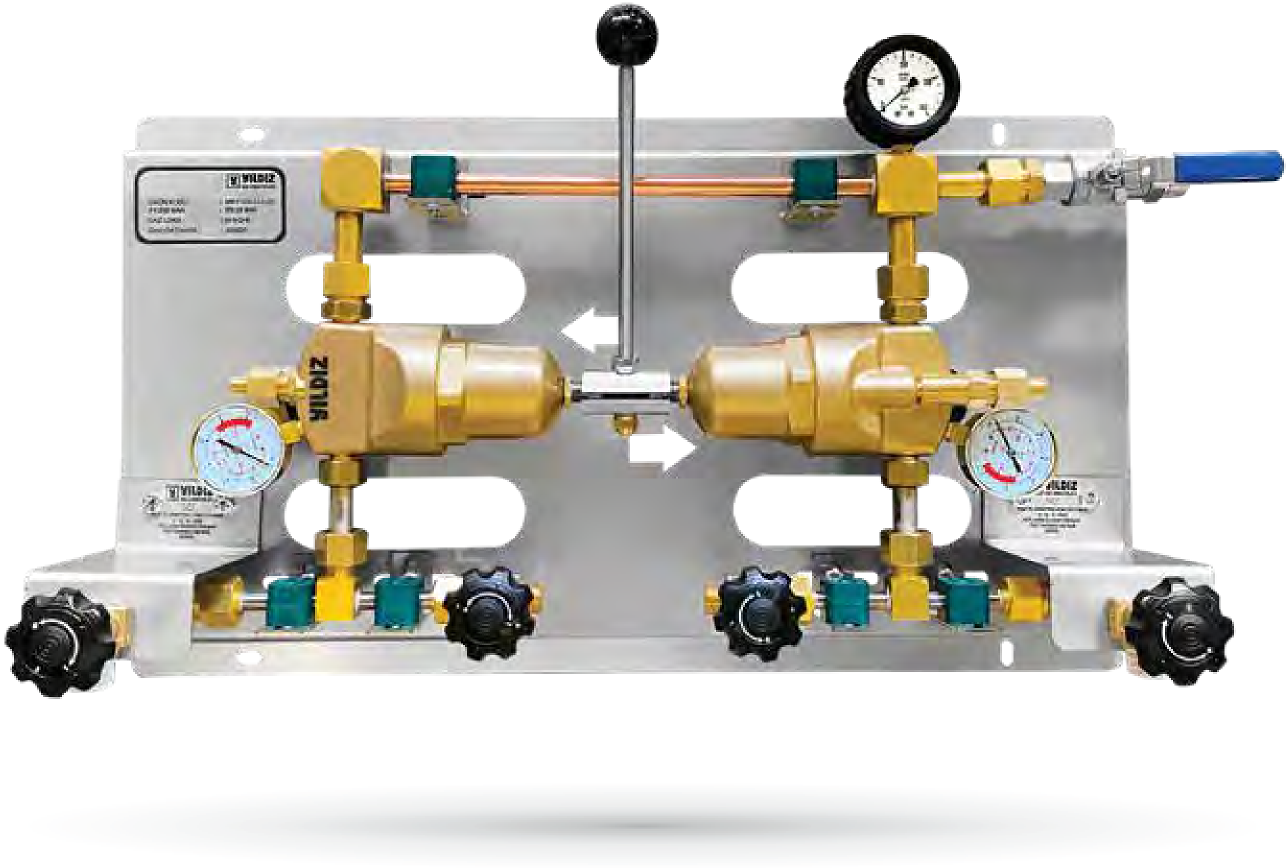
Regulator Type	:	5040S Series
Body, Cover Material	:	Brass
Connection Material	:	Brass, Stainless Steel
Heater	:	IBEDA GVW 250
Line Safety Valve	:	15 Bar - 25 Bar - 45 Bar
Ball Valve	:	1/2" Stainless Steel
Max. Inlet Pressure	:	230 Bar
Maximum Flow	:	600 m^3/h
Working Temperature	:	(-20°C) - (+60°C)

MEDIUM SCALE ACETYLENE GAS MANIFOLD SYSTEM

Order No	Gas Type	Gas Inlet Pressure	Gas Outlet Pressure	Inlet Connection	Outlet Connection
YM1111-4	Acetylene	25 bar	1,5 bar	W 21.8x1/14" Left	G 3/4"

TECHNICAL SPECIFICATIONS

Regulator Type	:	5040S Series
Body, Cover Material	:	Brass
Connection Material	:	Brass, Stainless Steel
Flashback Arrestor	:	IBEDA
Quick Action Shut off Valve	:	IBEDA SSE
Ball Valve	:	1/2" Stainless Steel
Max. Inlet Pressure	:	25 Bar
Maximum Flow	:	27 m^3/h
Working Temperature	:	(-20°C) - (+60°C)



SEMI-AUTOMATIC OXYGEN MANIFOLD SYSTEMS

Order No	Gas Type	Gas Inlet Pressure	Gas Outlet Pressure	Inlet Connection	Outlet Connection
MR1101CO-10	Oxygen	230 bar	10 bar	W21.8x1/14"	G 3/4"
MR1101CO-20			20 bar		
MR1101CO-40			40 bar		

TECHNICAL SPECIFICATIONS

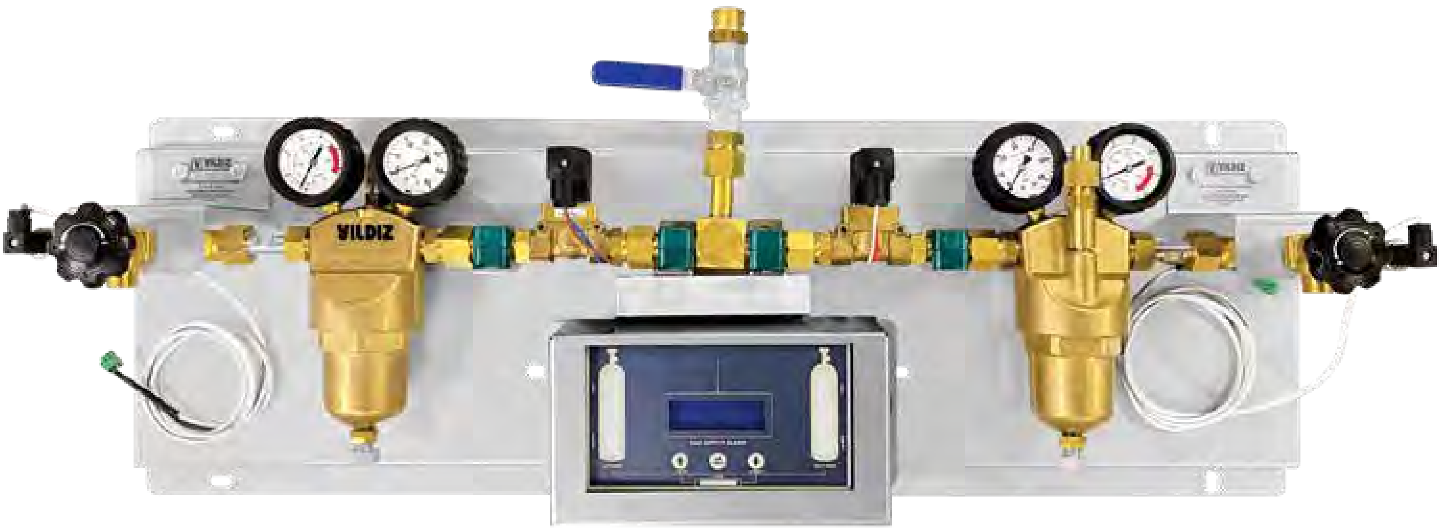
Regulator Type	:	5050 Series
Body, Bonnet Material	:	Brass
Connectors & Fit. Material	:	Brass , Stainless Steel
Flashback Arrestor	:	IBEDA
Wall Bracket	:	Stainless Steel
Ball Valve	:	1/2" Stainless Steel
Max. Inlet Pressure	:	230 Bar
Nominal Flow Rate	:	600 m³/h
Temperature Range	:	(-20°C) - (+60°C)

SEMI-AUTOMATIC INERT GASES MANIFOLD SYSTEMS

Order No	Gas Type	Gas Inlet Pressure	Gas Outlet Pressure	Inlet Connection	Outlet Connection
MR1100CO-10	Inert Gases	230 bar	10 bar	W 21.8x1/14"	G 3/4"
MR1100CO-20			20 bar		
MR1100CO-40			40 bar		

TECHNICAL SPECIFICATIONS

Regulator Type	:	5050 Series
Body, Bonnet Material	:	Brass
Connectors & Fit. Material	:	Brass , Stainless Steel
Wall Bracket	:	Stainless Steel
Ball Valve	:	1/2" Stainless Steel
Max. Inlet Pressure	:	230 Bar
Nominal Flow Rate	:	600 m³/h
Temperature Range	:	(-20°C) - (+60°C)



AUTOMATIC OXYGEN MANIFOLD SYSTEMS

Order No	Gas Type	Gas Inlet Pressure	Gas Outlet Pressure	Inlet Connection	Outlet Connection
MR1101TO-10	Oxygen	230 bar	10 bar	W21.8x1/14"	G 3/4"
MR1101TO-20			20 bar		

TECHNICAL SPECIFICATIONS

Regulator Type	:	5050 Series
Body, Bonnet Material	:	Brass
Connectors & Fit. Material	:	Brass , Stainless Steel
Flashback Arrestor	:	IBEDA
Wall Bracket	:	Stainless Steel
Ball Valve	:	1/2" Stainless Steel
Max. Inlet Pressure	:	230 Bar
Nominal Flow Rate	:	600 m³/h
Temperature Range	:	(-20°C) - (+60°C)

AUTOMATIC INERT GASES MANIFOLD SYSTEMS

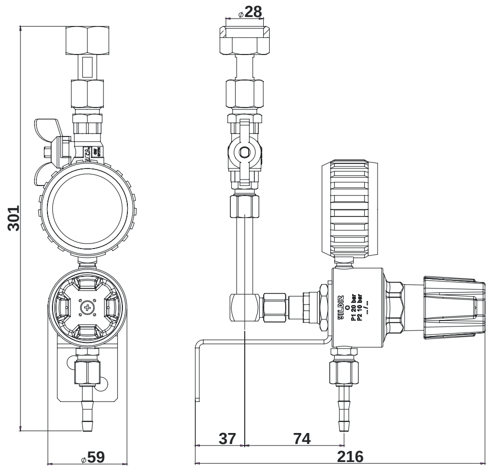
Order No	Gas Type	Gas Inlet Pressure	Gas Outlet Pressure	Inlet Connection	Outlet Connection
MR1100TO-10	Inert Gases	230 bar	10 bar	W21.8x1/14"	G 3/4"
MR1100TO-20			20 bar		
MR1100TO-40			40 bar		

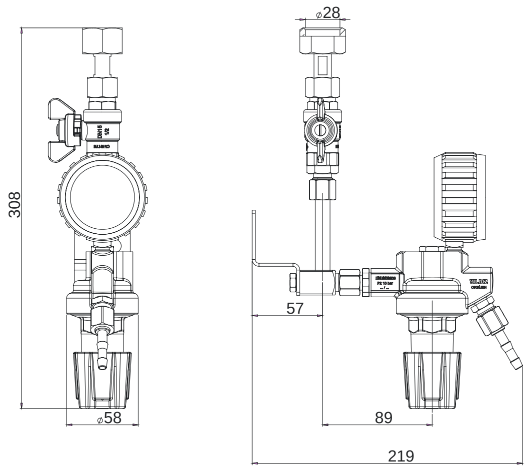
TECHNICAL SPECIFICATIONS

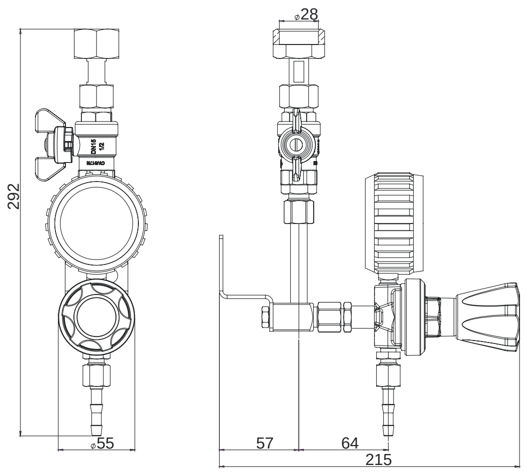
Regulator Type	:	5050 Series
Body, Bonnet Material	:	Brass
Connectors & Fit. Material	:	Brass , Stainless Steel
Wall Bracket	:	Stainless Steel
Ball Valve	:	1/2" Stainless Steel
Max. Inlet Pressure	:	230 Bar
Nominal Flow Rate	:	600 m³/h
Temperature Range	:	(-20°C) - (+60°C)

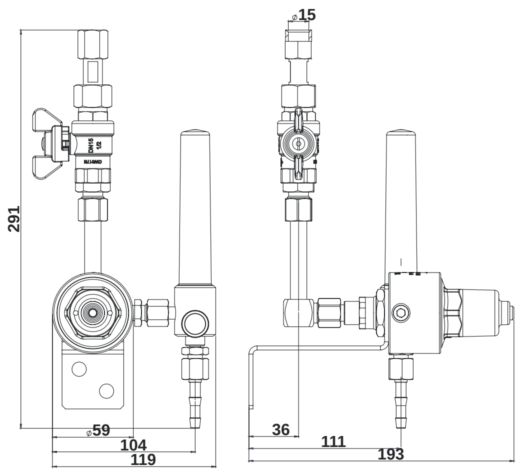
POINT OF USE REGULATORS

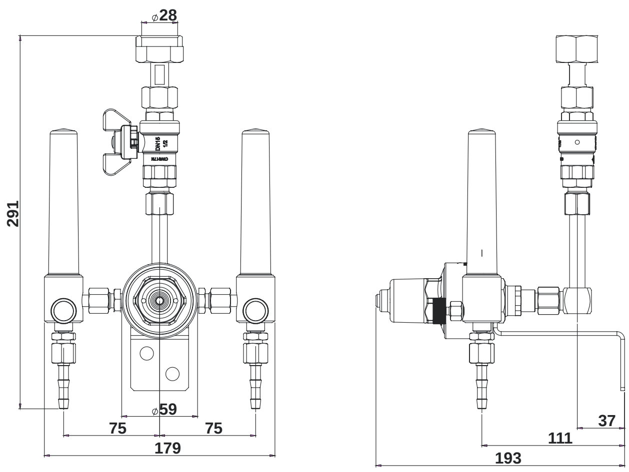
Point of use regulators consist of connection socket suitable for gas type, pressure manometer / flow manometer and hose connection nipple on the regulator with spherical inlet valve. In models with flowmeters, it is possible to adjust and measure the flow of gases more precisely. These regulators are mounted to a wall with a steel profile to increase safety. There are outlet connections that are compatible with flame safety valves suitable for Acetylene, propane and Oxygen gases.











POINT OF USE PRESSURE REGULATORS

Order No	Gas Type	Gas Inlet Connection	Gas Outlet Connection	Gas Outlet Pressure	Gas Flow
6060S	Oxygen	G 3/8"	G 3/8"	0-10 bar	35 m³/h
6061S	Acetylene	G 3/8" Left	G 3/8" Left	0-1,5 bar	5 m³/h
6062S	Propane	G 3/8" Left	G 3/8" Left	0-4 bar	5 m³/h
6063S	Nitrogen	G 3/8"	G 3/8"	0-4 bar	5 m³/h
6064S				-	21 l/dak
5064S-10	Argon - CO_2	G 3/8"	G 1/4"	0-10 bar	35 m³/h
5064S-50				-	50 l/dak
6066S	Helium	G 3/8"	G 3/8"	0-10 bar	35 m³/h
6067S	Hydrogen	G 3/8" Left	G 3/8" Left	0-10 bar	35 m³/h
6068S	Natural Gas	G 3/8" Left	G 3/8" Left	0-1,5 bar	5 m³/h
6069S	Dry Air	G 3/8"	G 3/8"	0-10 bar	35 m³/h
6160S	Oxygen			0-40 bar	-
6160S-1				0-20 bar	-
6163S	Nitrogen	G 1/2"	G 3/8"	0-40 bar	-
6163S-1				0-20 bar	-
6169S	Dry Air			0-40 bar	-
6169S-1				0-20 bar	-

6060S

POINT OF USE INSTALLATION SETS

Order No	Regulator Type	Gas Inlet Connection	Connection Size
306060928	6060S	Installation (Ø28 mm)	G 3/8"
	6063S		
	6064S		
	6066S		
	6069S		
306061928	6061S	Installation (Ø28 mm)	G 3/8" Left
	6062S		
	6067S		
	6068S		
306060915	6060S	Installation (Ø15 mm)	G 3/8"
	6063S		
	6064S		
	6066S		
	6069S		
306061915	6061S	Installation (Ø15 mm)	G 3/8" Left
	6062S		
	6067S		
	6068S		
306160928	6160S	Installation (Ø28 mm)	G 1/2"
	6160S-1		
	6163S		
	6163S-1		
	6169S		
	6169S-1		
306160915	6160S	Installation (Ø15 mm)	G 1/2"
	6160S-1		
	6163S		
	6163S-1		
	6169S		
	6169S-1		

POINT OF USE PRESSURE REGULATORS

Order No	Gas Type	Gas Inlet Connection	Gas Outlet Connection	Gas Outlet Pressure	Gas Flow
5060S	Oxygen	G 3/8"	G 3/8"	0-10 bar	35 m³/h
5061S	Acetylene	G 3/8" Left	G 3/8" Left	0-1,5 bar	5 m³/h
5062S	Propane	G 3/8" Left	G 3/8" Left	0-4 bar	5 m³/h
5063S	Nitrogen	G 3/8"	G 3/8"	0-4 bar	5 m³/h
5064S	Argon - CO_2	G 3/8"	G 1/4"	-	21 l/dak
5066S	Helium	G 3/8"	G 3/8"	0-10 bar	35 m³/h
5067S	Hydrogen	G 3/8" Left	G 3/8" Left	0-10 bar	35 m³/h
5068S	Natural Gas	G 3/8" Left	G 3/8" Left	0-1,5 bar	5 m³/h
5069S	Dry Air	G 3/8"	G 3/8"	0-10 bar	35 m³/h

5060S

DESCRIPTIONS

- Possibility to use point of use regulators for different gases in central systems
- Durable brass body.
- Connection fitting suitable for Ø6 - Ø8 mm hoses
- There are manometer and pressure adjustment handle where the usage pressure can be seen.

SINGLE AND DOUBLE POINT OF USE PRESSURE REGULATOR

Order No	Gas Type	Gas Inlet Connection	Gas Outlet Connection	Gas Flow	Product Type
5064F16	Argon - CO_2	G 3/8"	G 1/4"	16 l/min	Double Flowmeter
5064F30				30 l/min	
5064F16-4				16 l/min	Single Flowmeter
5064F30-4				30 l/min	

5064F16

DESCRIPTIONS

- It can be used in applications such as MAG, MIG, TIG, Plasma cutting, Laser cutting.
- Designed with double outlet flowmeter
- Durable flowmeter structure
- Connection fitting suitable for Ø6 - Ø8 mm hoses.

POINT OF USE INSTALLATION SETS

Order No	Regulator Type	Gas Inlet Connection	Connection Size
305060928	5060S	Installation (Ø28 mm)	G 3/8"
	5063S		
	5064S		
	5066S		
	5069S		
305061928	5061S	Installation (Ø28 mm)	G 3/8" Left
	5062S		
	5067S		
	5068S		
305060915	5060S	Installation (Ø15 mm)	G 3/8"
	5063S		
	5064S		
	5066S		
	5069S		
305061915	5061S	Installation (Ø15 mm)	G 3/8" Left
	5062S		
	5067S		
	5068S		

POINT OF USE PRESSURE REGULATORS

Order No	Gas Type	Gas Inlet Connection	Gas Outlet Connection	Gas Outlet Pressure	Gas Flow
5080S	Oxygen	G 3/8″	G 3/8″	0-10 bar	35 m³/h
5081S	Acetylene	G 3/8″ Left	G 3/8″ Left	0-1,5 bar	5 m³/h
5082S	Propane	G 3/8″ Left	G 3/8″ Left	0-4 bar	5 m³/h
5083S	Nitrogen	G 3/8″	G 3/8″	0-4 bar	5 m³/h
5084S	Argon - CO_2	G 3/8″	G 1/4″	-	21 l/dak
5086S	Helium	G 3/8″	G 3/8″	0-10 bar	35 m³/h
5087S	Hydrogen	G 3/8″ Left	G 3/8″ Left	0-10 bar	35 m³/h
5088S	Natural Gas	G 3/8″ Left	G 3/8″ Left	0-1,5 bar	5 m³/h
5089S	Dry Air	G 3/8″	G 3/8″	0-10 bar	35 m³/h

5084S

POINT OF USE INSTALLATION SETS

Order No	Regulator Type	Gas Inlet Connection	Connection Size
306060928	5080S 5083S 5084S 5086S 5089S	Installation (Ø28 mm)	G 3/8″
306061928	5081S 5082S 5087S 5088S	Installation (Ø28 mm)	G 3/8″ Left
306060915	5080S 5083S 5084S 5089S	Installation (Ø15 mm)	G 3/8″
306061915	5081S 5082S 5087S 5088S	Installation (Ø15 mm)	G 3/8″ Left

5064-QT

5085S-QT

POINT OF USE REGULATOR WITH QUIK COUPLING FOR SHIPYARD

Order No	Gas Type	Gas Inlet Connection	Gas Outlet Connection	Hose Connection	Gas Outlet Flow
5064-QT	CO_2	G 1/2" Out	Quick Coupling Connection	Ø6	21 /min
5085S-QT					

DESCRIPTIONS

- It is designed in accordance with Shipyard Installation connections.
- Thanks to the quick coupling Connection adapted to the pressure reducer in the output section, easy replacement of the equipment is provided.

CO_2 Gas Heating

5050S-40

5050S-20

5050S

5051S

5052S

HIGH PRESSURE-HIGH FLOW PRESSURE REGULATORS

Order No	Gas Type	Inlet Connection	Outlet Connection	Inlet Pressure	Outlet Pressure	Min. Flow (Q1)
5050S	Oxygen/Inert	W21.8x1/18"	G3/4" Male	0-230 Bar	0-10 Bar	Q1 : 300 m³/h
5050S-20					0-20 Bar	Q1 : 300 m³/h
5050S-40					0-40 Bar	Q1 : 300 m³/h
5050S-1	Oxygen	G3/4"			0-10 Bar	Q1 : 300 m³/h
5050S-20-1					0-20 Bar	Q1 : 300 m³/h
5050S-40-1					0-10 Bar	Q1 : 300 m³/h
5051S	Acetylene	W21.8x1/18"- LH		0-25 Bar	0-1,5 Bar	Q1 : 22 m³/h
5052S	Propane				0-4 Bar	Q1 : 45 m³/h
5053S	Nitrogen/Argon	G5/8" Male		0-230 Bar	0-10 Bar	Q1 : 300 m³/h
5053S-20					0-20 Bar	Q1 : 300 m³/h
5053S-40					0-40 Bar	Q1 : 300 m³/h
5057S	Hyrogen	W21.8x1/18"- LH			0-10 Bar	Q1 : 300 m³/h
5057S-20					0-20 Bar	Q1 : 300 m³/h
5057S-40					0-40 Bar	Q1 : 300 m³/h
5058S	Natural Gas / Methane				0-10 Bar	Q1 : 300 m³/h
5058S-20					0-20 Bar	Q1 : 300 m³/h
5058S-40					0-40 Bar	Q1 : 300 m³/h

DESCRIPTIONS

- 5050-20 is a high flow, high pressure central system regulator for industrial users.
- 5050-40 is a central system regulator that can be used with gas cylinders or cylinder pallets in accordance with the ISO 14114 standard.
- Certified to ISO 7291 standard
- It can be installed as a central system regulator with 180 ° direct connection.
- Thanks to the integrated inlet filter at the regulator entrance, it is possible to work properly even against the gas coming from old and dirty Installations.
- It has an integrated pressure drain valve.
- It can be used in many applications where constant pressure and high flow are required.
- **Used Areas:** Cutting operations with Oxygen-Fuel Gases and many other Oxygen Fuel Gases processes, laser processes using gas, arc welding, protective gas Pressure stabilization etc.

HIGH PRESSURE-HIGH FLOW PRESSURE REGULATORS

Order No	Gas Type	Inlet Connection	Outlet Connection	Inlet Pressure	Outlet Pressure	Min. Flow (Q1)
5040SMR	Oxygen/Inert	W21.8x1/18"	G3/4" Male	0-230 Bar	0-10 Bar	Q1 : 300 m³/h
5040SMR-20					0-20 Bar	Q1 : 300 m³/h
5040SMR-40					0-40 Bar	Q1 : 300 m³/h
5040S	Oxygen	G3/4"		0-230 Bar	0-10 Bar	Q1 : 300 m³/h
5040S-20					0-20 Bar	Q1 : 300 m³/h
5040S-40					0-40 Bar	Q1 : 300 m³/h
5041S	Acetylene	W23x1/18"		0-25 Bar	0-1,5 Bar	Q1 : 22 m³/h
5041SMR		W21.8x1/18"- LH				
5042S	Propane	W21.8x1/18"- LH		0-230 Bar	0-4 Bar	Q1 : 45 m³/h
5043S	Nitrogen/Argon	G5/8" Male			0-10 Bar	Q1 : 300 m³/h
5043S-20					0-20 Bar	Q1 : 300 m³/h
5043S-40					0-40 Bar	Q1 : 300 m³/h
5047S	Hyrogen/Natural Gas /Methane	W21.8x1/18"- LH			0-10 Bar	Q1 : 300 m³/h
5047S-20					0-20 Bar	Q1 : 300 m³/h
5047S-40					0-40 Bar	Q1 : 300 m³/h

DESCRIPTIONS

- 5040-20 is a high flow, high pressure central system regulator for industrial users.
- 5040-40 is a central system regulator that can be used with gas cylinders or cylinder pallets in accordance with the ISO 14114 standard.
- Certified to ISO 7291 standard
- It can be installed as a central system regulator with 180 ° direct connection.
- Thanks to the integrated inlet filter at the regulator entrance, it is possible to work properly even against the gas coming from old and dirty Installations.
- It has an integrated pressure drain valve.
- It can be used in many applications where constant pressure and high flow are required.
- **Used Areas:** Cutting operations with Oxygen-Fuel Gases and many other Oxygen Fuel Gases processes, laser processes using gas, arc welding, protective gas Pressure stabilization etc.


Gas Type

O_2	=	Oxygen
D	=	Dry air
N_2	=	Nitrogen, Inert Gas
CO_2	=	Carbon Dioxide

VALVE CYLINDER CONNECTION

Order No	Gas Type	Max. Pressure	Inlet Connection	Outlet Connection	Standard	Valve
6110	O_2, D_2, N_2, CO_2	300 bar	W 21,8x1/14"	W 21,8x1/14"	DIN 477-1/6	Single
6110F	Fuel Gases		W 21,8x1/14" LH	W 21,8x1/14" LH	DIN 477-1/1	
6210	O_2, D_2, N_2, CO_2		W 21,8x1/14"	W 21,8x1/14"	DIN 477-1/6	Double
6210F	Fuel Gases		W 21,8x1/14" LH	W 21,8x1/14" LH	DIN 477-1/1	
6310	O_2, D_2, N_2, CO_2		W 21,8x1/14"	W 21,8x1/14"	DIN 477-1/6	Three
6310F	Fuel Gases		W 21,8x1/14" LH	W 21,8x1/14" LH	DIN 477-1/1	

HIGH PRESSURE STEEL HOSE

Order No	Gas Type	Used Pressure	Lenght
YB101-P-1000	Oxygen	230 bar	1000 mm
YB101-P-1500			1500 mm
YB101-P-2500			2500 mm
YB111-P-800	Acetylene	25 bar	800 mm
YB111-P-1800			1800 mm
YB120-P-2000	Propane - Natural Gas - H_2	230 bar	2000 mm
YB140-P-1000	Nitrogen - Argon	230 bar	1000 mm
YB140-P-1500			1500 mm
YB140-P-2500			2500 mm
YB150-P-1000	CO_2 - Dry Air Helium	230 bar	1000 mm
YB150-P-2500			2500 mm
YB150-P-5000			5000 mm

Gas Type

CO_2	=	Carbon Dioxide
H_2	=	Hydrogen

DESCRIPTIONS

- Thanks to its high pressure resistant structure, it acts as a connection between the gas manifold and the cylinder and the cylinder pallet.

CHECK VALVE

Order No	Gas Type	Max. Pressure	Inlet Connection	Outlet Connection
CV-10YGA	O_2, D, N_2, CO_2	300 bar	W 21,8x1/14“	W 21,8x1/14“
CV-10FYGA	Fuel Gases	300 bar	W 21,8x1/14“ LH	W 21,8x1/14“ LH

Gas Type

O_2	=	Oxygen
D	=	Dry air
N_2	=	Nitrogen, Inert Gas
CO_2	=	Carbon Dioxide

HIGH PRESSURE FILTER LINE

Order No	Gas Type	Max. Pressure	Inlet / Outlet Connection	Filter Capabilty
HF-02	O_2, D, N_2, CO_2, H, P	50 bar	Ø28 mm	50 µm
HF-03			G 1/2"	

Gas Type

O_2	=	Oxygen
D	=	Dry air
N_2	=	Nitrogen, Inert Gas
CO_2	=	Carbon Dioxide
H	=	Hydrogen
P	=	Propane

DESCRIPTIONS

- It blocks the entrance of particles and residues that may enter through the gas flow line.

LINE SAFETY VALVE

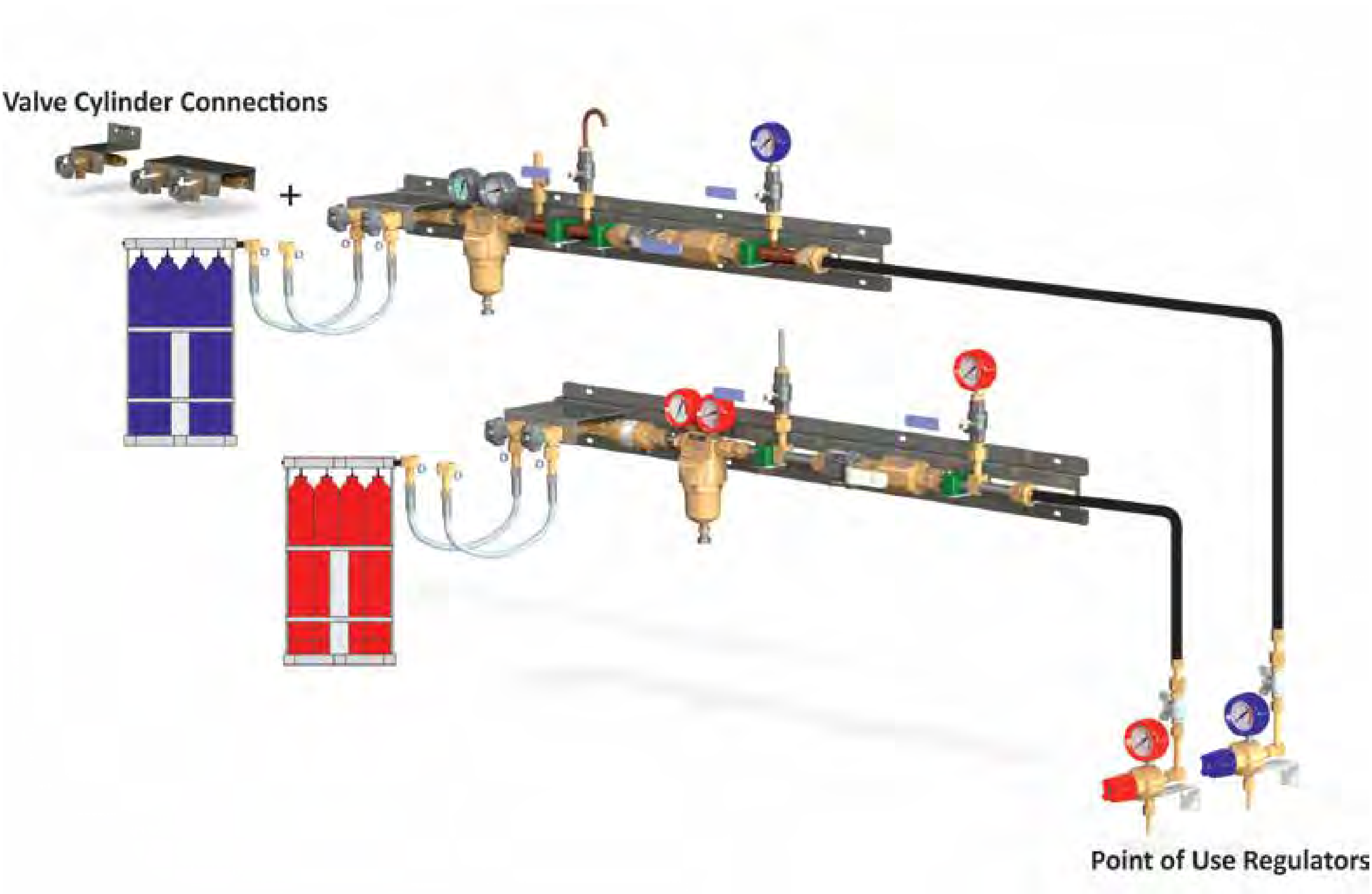
Order No	Gas Type	Insurance Opening Value	Inlet Connection	Outlet Connection
HAT-10	O_2, D, N_2, CO_2, H	15 bar	G 1/2"	G 3/8"
HAT-10-1		15 bar	G 1/4"	
HAT-20		25 bar	G 1/2"	
HAT-20-1		25 bar	G 1/4"	
HAT-30		35 bar	G 1/2"	
HAT-30-1		35 bar	G 1/4"	
HAT-40		45 bar	G 1/2"	
HAT-40-1		45 bar	G 1/4"	

Gas Type

O_2	=	Oxygen
D	=	Dry air
N_2	=	Nitrogen, Inert Gas
CO_2	=	Carbon Dioxide
H	=	Hydrogen

DESCRIPTIONS

- It is the equipment that enables gas evacuation by activating in case of danger or sudden pressure rises.



DESCRIPTIONS

- Modular system
- Modules mounted on a metal plate
- Tested for strength, function and leakage
- Equipped with ali design-type tested safety devices required
- Compliance with EN ISO 7291 (CE).

World of Welders

YILDIZ
GAZ ARMATÜRLERİ

CONTACT US

AZE
ewo
www.aze.ch
Seit 1914
AZE Handels- und Vertriebs AG
8409 Winterthur - info@aze.ch

Telephone
052 235 01 65

E-Mail
info@aze.ch