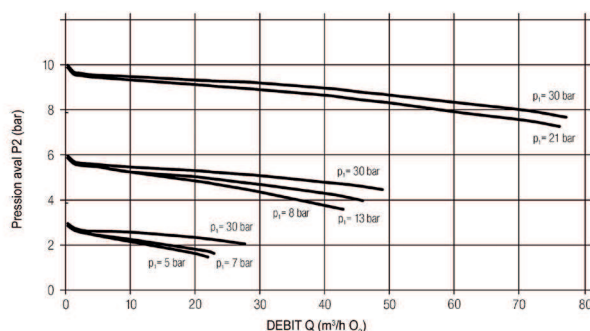


DINSET

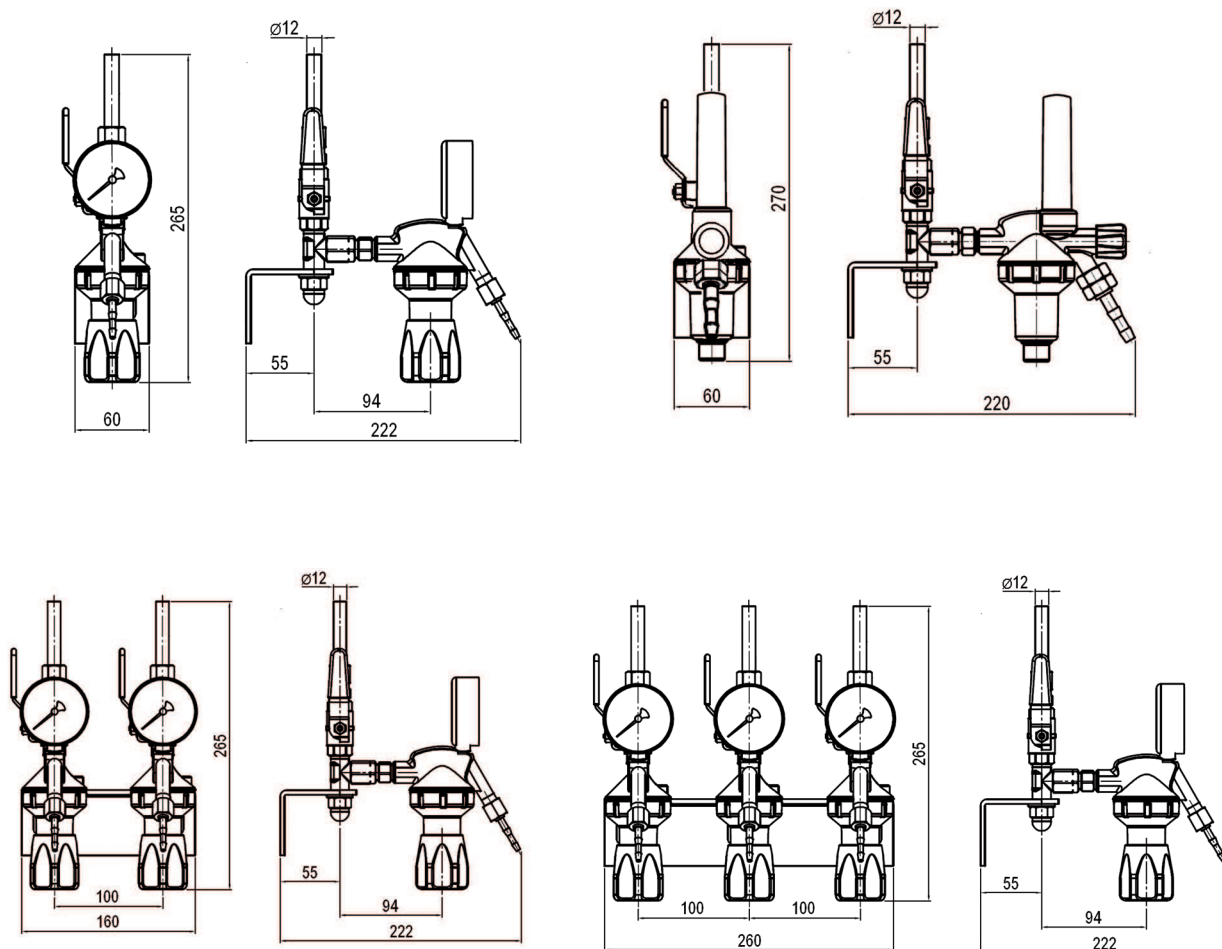
Dinset is classical GCE concept of products for industrial gases service based on premium Dincontrol regulator. They were created with using of huge professional experience in GCE group. They are continuously developed and optimized in accordance with current engineering knowledge. Dinset consists of inlet welding or brazing socket (acc. to gas type), inlet ball valve PN40, DIN-line regulator with pressure gauge, flow-gauge or flow-meter and hose nipple. Variants for shielding gases with flow-meter with dosing valve are supplying and indicating exact flow-rate. Components are mounted on V-profile steel wall bracket for safety installation. Functionality and quality of all components can be easy checked due to open design. Oxygen variant as well as acetylene and propane variants are prepared for optional installation of GCE flashback arrestors FR50 or SG5 due to identical outlet/inlet angle. But it can be used also other flashback arrestors from the market according to customer choice.

FLOW CAPACITY: OXYGEN



TECHNICAL DATA

Regulator body and bonnet:	Brass
Diaphragm:	EPDM, NBR
Seat sealing:	PA, Chloroprene
Seat sealing:	PA, Chloroprene
Connectors & fittings:	Brass
Wall bracket:	Steel Zn-coated
Maximal inlet pressure:	30 bar Oxygen
Maximal inlet pressure:	40 bar Other gases
Temperature range:	from -20 °C to 60 °C



DINSET SINGLE UNITS



Single units are prepared for all technical gases and can be used for all industrial processes.

Item No.	Type	Gas	Outlet range	Inlet	Outlet
14096150	Dinset Single	Acetylene	1,5 bar	G3/8"LH	G3/8"LH
14096151	Dinset Single	Oxygen	10 bar	G3/8"	G1/4"
14096152	Dinset Single	Ar/Mix	32 l/min Gauge	G3/8"	G1/4"
14096165	Dinset Single	Propane	2,5 bar	G3/8"LH	G3/8"LH
14096166	Dinset Single	Nitrogen	10 bar	G3/8"	G1/4"
14096167	Dinset Single	Compressed air	10 bar	G3/8"	G1/4"
14096168	Dinset Single	Ar/Mix	10 bar	G3/8"	G1/4"
14096169	Dinset Single	Hydrogen/methan	10 bar	G3/8"LH	G3/8"LH
14096172	Dinset Single	N ₂ /H ₂	10 bar	G3/8"LH	G3/8"LH
14096170	Dinset Single	Ar/H ₂	32 l/min Gauge	G3/8"	G3/8"LH
14096171	Dinset Single	N ₂ /H ₂	50 l/min Gauge	G3/8"LH	G3/8"LH
0785016	Dinset Single	O, D, N, CO ₂	10 bar	G3/8"	G3/8"

DINSET FLOW



Single units for shielding gases with flow-meter and dosing valve are giving and showing exact flow-rate.

Item No.	Type	Gas	Outlet range	Inlet	Outlet
14096173	Dinset Flow	N ₂ /H ₂	50 l/min Flow	G3/8"LH	G3/8"LH
14096163	Dinset Flow	Ar/Mix	30 l/min Flow	G3/8"	G1/4"
14096164	Dinset Flow	Ar/Mix	15 l/min Flow	G3/8"	G1/4"
0785017	Dinset Flow	Ar/Mix	30 l/min Flow	G3/8"	G3/8"

DINSET DOUBLE UNITS



Double units are useful for oxy-fuel applications as well as for arc welding and plasma applications including root shielding. For other variants please ask your GCE partner.

Item No.	Type	Gas	Outlet range	Inlet	Outlet
14096153	Dinset Double	Oxy-Ace	see single units	G3/8"	G1/4", G3/8"LH
14096154	Dinset Double	Oxy-Prop	see single units	G3/8"	G1/4", G3/8"LH
14096155	Dinset Double	Oxy-Ar	see single units	G3/8"	2x G1/4"
14096156	Dinset Double	Ar-Ar	see single units	G3/8"	2x G1/4"
0785015	Dinset Double	Oxy-Ace	see single units	G3/8"	G3/8", G3/8"LH

DINSET TRIPLE UNITS



Triple units designed mainly for oxygen cutting, flame applications and other welding and cutting technologies. But chosen combination of outlet points can be used for gas supply in all industrial processes. For other variants please ask your GCE partner.

Item No.	Type	Gas	Outlet range	Inlet	Outlet
14096157	Dinset Triple	Ar-Oxy-Ace	see single units	G3/8"	G1/4", G1/4", G3/8"LH
14096158	Dinset Triple	Oxy-Oxy-Ace	see single units	G3/8"	G1/4", G1/4", G3/8"LH
14096159	Dinset Triple	Oxy-Oxy-Prop	see single units	G3/8"	G1/4", G1/4", G3/8"LH
14096160	Dinset Triple	Oxy-Oxy-Ar	see single units	G3/8"	3x G1/4"
14096161	Dinset Triple	Oxy-Ar-Ar	see single units	G3/8"	3x G1/4"
14096162	Dinset Triple	Ar-Ar-Ar	see single units	G3/8"	3x G1/4"

SPARE PARTS FOR DINSET OUTLET POINTS

DINLINE AND DINFLOW REGULATORS



Item No.	Description	Gas	Outlet range	Inlet	Outlet
0783071	Dinline	Ar, N ₂ , Compr. Air	10 bar	G3/8"	G1/4"
0783070	Dinline	Oxygen	10 bar	G3/8"	G1/4"
0783073	Dinline	Acetylene	1,5 bar	G3/8"LH	G3/8"LH
0783080	Dinline	Hydrogen/methan	10 bar	G3/8"LH	G3/8"LH
0783077	Dinline	Propane	2,5 bar	G3/8"LH	G3/8"LH
0783072	Dinline	Ar/Mix	32 l/min gauge	G3/8"	G1/4"
0783076	Dinline	N ₂ /H ₂	50 l/min gauge	G3/8"LH	G3/8"LH
0783081	Dinline	Ar/H ₂	32 l/min gauge	G3/8"LH	G3/8"LH
0783078	Dinflow	N ₂ /H ₂	50 l/min flow-meter	G3/8"LH	G3/8"LH
0783074	Dinflow	Ar/Mix	30 l/min flow-meter	G3/8"	G1/4"
0783075	Dinflow	Ar/Mix	15 l/min flow-meter	G3/8"	G1/4"

BALL VALVES



Carbon steel Zn-coated, V-profile, PN40, DN10

Item No.	Description	Gas
14016153	with elbow	Oxygen
14016154	with elbow	All fuel gases
14016155	with elbow	Other gases

WALL BRACKETS



Item No.	Description
14016145P	for single unit
14016146P	for double unit
14016147P	or triple unit

BRAZING AND WELDING NIPPLES, NUTS



Connecting nipples, outer diameter 12 mm.

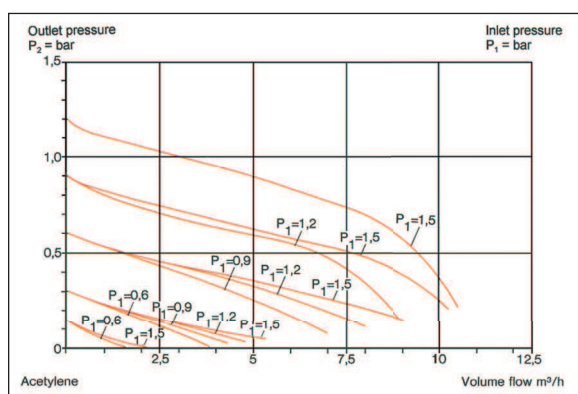
Item No.	Type	Material
14018004P	Welding nipple G3/8"	Carbon steel
4A19020P	Welding nipple G3/8"	Stainless steel
14018024P	Brazing nipple G3/8"	Brass
548200018932P	Swivel nut G3/8"LH	Brass
548200018934P	Swivel nut G3/8"	Brass

UNISET

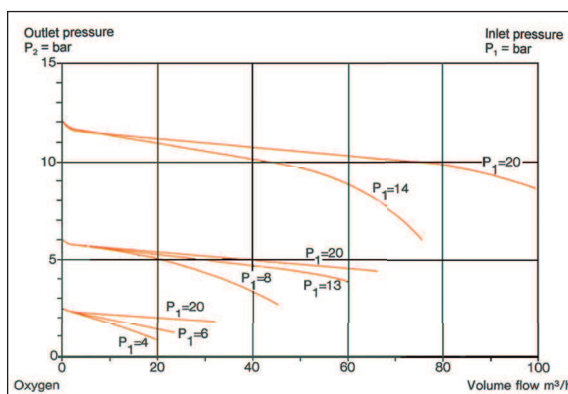
UNISET are new outlet points in GCE proposal for industrial gases service. They were created with using of long term experience with production of central gas supply systems. Variants for oxygen and fuel gases are equipped with three function flashback arrestors (FBA). There are two design types for shielding gases. First of them consists of flow-gauge showing flow-rate adjusted by pressure regulator. The second one is based on flow-meter with dosing valve supplying and indicating exact flow-rate. Components of entire range are mounted on stabile steel wall bracket ensuring fast and safety installation. Gas supply can be easy connected to application with outlet hose nipples.

Oxy/Inert variant is ready for oxygen service and can be used also for argon, nitrogen, helium carbon dioxide, compressed air and their mixtures. Special oxygen variant as well as acetylene and propane variants contain FBA. Fuel gas variant is designed for hydrogen, methane and natural gas. Unisets for shielding gases (Ar and Ar-mixtures) show adjusted flow-rate using either pressure gauge with flow-scale or flow-meter. Special twin-variant enable connection of two welding generators at one outlet pipe. This can be used also for combination of welding and root shielding with identical gas. Flow variant for N₂/H₂ and Ar/H₂ with outlet capacity of 50 l/min is optimal for root shielding application.

FLOW CAPACITY: ACETYLENE

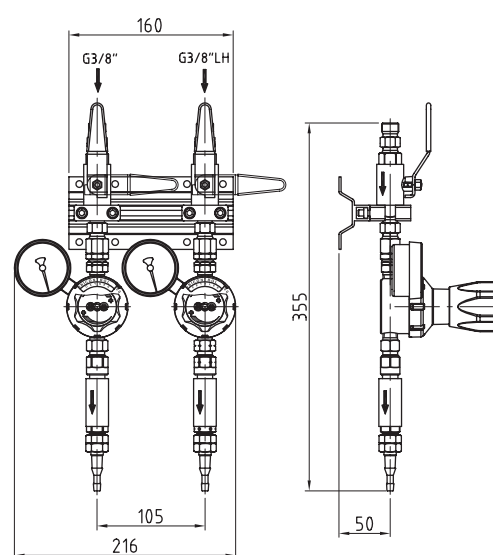
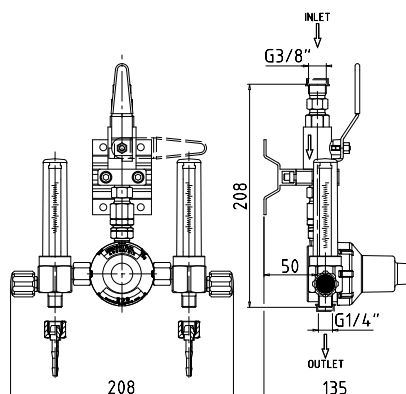
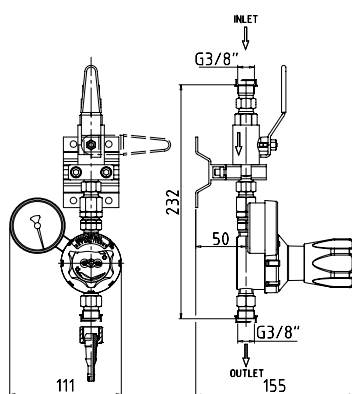


FLOW CAPACITY: OXYGEN



TECHNICAL DATA

Regulator body and bonnet	Brass	Wall bracket	Steel Zn-coated
Diaphragm	EPDM, NBR	Maximal inlet pressure	30 bar Oxygen
Seat sealing	PA, Chloroprene	Maximal inlet pressure	40 bar Other gases
Connectors & fittings	Brass	Temperature range	from -20 °C to 60 °C



UNISSET SINGLE UNITS



Single units are prepared for all technical gases and can be used for all industrial processes.

Item No.	Type	Gas	Outlet range	Inlet	Outlet
0768156	Uniset Single	Oxy/Inert	2,5 bar	G3/8"	G3/8" + hose nipple 6,3-8 mm
0768157	Uniset Single	Oxy/Inert	5 bar	G3/8"	G3/8" + hose nipple 6,3-8 mm
0768158	Uniset Single	Oxy/Inert	10 bar	G3/8"	G3/8" + hose nipple 6,3-8 mm
0768109	Uniset Single	Oxy/Inert	16 bar	G3/8"	G3/8" + hose nipple 6,3-8 mm
0768210	Uniset Single	Inert/Inert	40 bar	G1/2"	G3/8" + hose nipple 6,3-8 mm
0768108	Uniset Single	Oxygen	10 bar FBA	G3/8"	G3/8" + hose nipple 6,3-8 mm
0768106	Uniset Single	Acetylene	1,5 bar FBA	G3/8"LH	G3/8"LH + hose nipple 6,3-8 mm
0768107	Uniset Single	Propane	2,5 bar FBA	G3/8"LH	G3/8"LH + hose nipple 6,3-8 mm
0768190	Uniset Single	Hydrogen/Methan	16 bar	G3/8"LH	G3/8"LH + hose nipple 6,3-8 mm
0768200	Uniset Single	Hydrogen	16 bar	G3/8"LH	G3/8"LH + hose nipple 6,3-8 mm
0768103	Uniset Single	Ar/Mix	30 l/min Gauge	G3/8"	G1/4" + hose nipple 4-6,3 mm
24037055	EMD 400-06	Nitrogen	35 bar	G1/2"	G3/8"
24037057	EMD 400-06	Oxy	16 bar	G1/2"	G3/8"

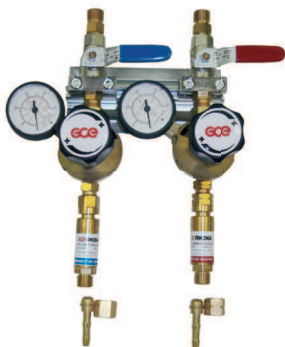
UNISSET FLOW



Single units for shielding gases with flow-meter and dosing valve are giving and showing exact flow-rate.

Item No.	Type	Gas	Outlet range	Inlet	Outlet
0768104	Uniset Flow	Ar/Mix	15 l/min Flow	G3/8"	G1/4" + hose nipple 4-6,3 mm
0768155	Uniset Flow	Ar/Mix	30 l/min Flow	G3/8"	G1/4" + hose nipple 4-6,3 mm
0768260	Uniset Flow	N ₂ /H ₂ , Ar/H ₂	32 l/min Flow	G3/8"LH	G3/8"LH + hose nipple 6,3-8 mm
0768105	Uniset Twinflow	Ar/Mix-Ar/Mix	30 l/min Flow	G3/8"	2x G1/4" + 2x hose nipple 4-6,3 mm

UNISSET DOUBLE UNITS



Double units are useful for oxy-fuel applications as well as for arc welding and plasma applications including root shielding. Other gas combination are on request.

Item No.	Type	Gas	Outlet range	Inlet, Outlet
0768250	Uniset Double	Oxy - Ace	10 bar - 1,5 bar FBA	see single units
0768240	Uniset Double	Oxy - Prop	10 bar - 2,5 bar FBA	see single units

UNISSET SPARE PARTS, FLOW-METERS

Flow-meters as a spare parts but can be used also for other applications.

Item No.	Type	Gas	Outlet range	Inlet	Outlet
0768170	Flowmeter	Ar/Mix	30 l/min	G3/8"	hose nipple 6,3 mm
0768180	Flowmeter	Ar/Mix	15 l/min	G3/8"	hose nipple 6,3 mm

BRAZING AND WELDING NIPPLES, NUTS



Connecting nipples, outer diameter 12 mm.

Item No.	Type	Material
14018004P	Welding nipple G3/8"	Carbon steel
4A19020P	Welding nipple G3/8"	Stainless steel
14018024P	Brazing nipple G3/8"	Brass
548200018932P	Swivel nut G3/8"LH	Brass
548200018934P	Swivel nut G3/8"	Brass

UNISET+

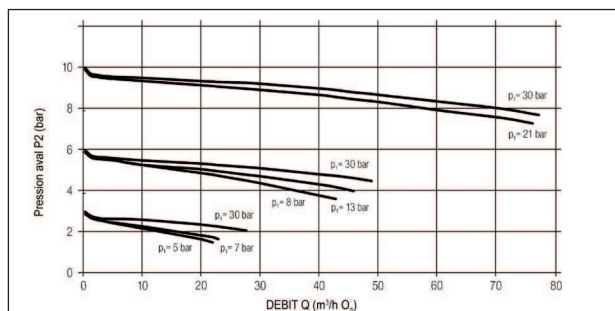
UNISET+ outlet points are an innovation in the field of central gas supply in deed. Excellent protection, given by the external steel cover, is combined with excellent look and easy assembly. Their high precision gives the possibility to use them with any industrial application.

UNISET+ outlet points are based on inlet ball valve and line pressure regulator. All variants include inlet brazing socket for 8 mm tube and outlet hose nipple. Oxygen, acetylene and fuel gas version contain also pressure gauge and outlet safety device MV93. MV93 is flashback arrestor protecting pipe works and gas source against flame coming from application in case of safety issue. There are two types for shielding gases (Ar, Ar/CO₂ and Ar/O₂ mixtures).

First of them consists of flow-gauge showing flow-rate adjusted by pressure regulator. The second one is based on flow-meter with dosing valve giving and showing exact flow-rate.

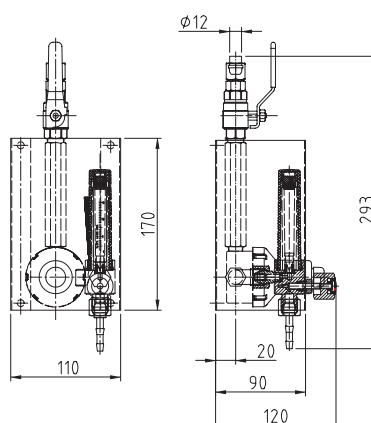
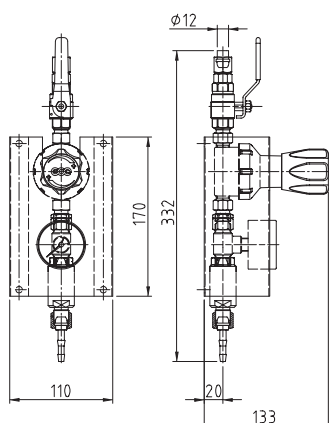
UNISET+ outlet points are also called „Easy Work“ because of fast installation and easy handling. They can be mounted in less than 15 minutes, using appropriate tools.

Maintenance operation thus makes very simply to be executed by just removing the metal cover, fully independent from the internal parts.



TECHNICAL DATA

Regulator body and bonnet	Brass, Zn alloy
Diaphragm	EPDM, NBR
Seat sealing	PA, Chloroprene
Connectors & fittings	Brass
Cover	Stainless steel
Flashback arrestor	Brass Ni-coated
Maximal inlet pressure	30 bar Oxygen
Maximal inlet pressure	40 bar Inert gases
Temperature range	from -20 °C to 60 °C



UNISET+

TYPICAL APPLICATION:

welding, cutting and allied processes



Item No.	Gas	Outlet range	Inlet	Outlet
CE14000	Oxygen	0-10 bar	G3/8"	G3/8"
CE14100	Acetylene	0-1,5 bar	G3/8"	G3/8"LH
CE14105	Hydrogen/methan/LPG	0-4 bar	G3/8"	G3/8"LH
CE14200	Shielding gas	0-32 l/min Gauge	G3/8"	G3/8"
CE14250	Shielding gas	0-30 l/min Flow-meter	G3/8"	G3/8"
CE14300	Inert gases	0-10 bar	G3/8"	G3/8"

HFSET

HF-set are outlet points for high flow applications. There are originally prepared for installation of oxygen cutting machines but because of their high flow capacity they can be used for all industrial processes. Outlet points are based on two regulators. S100 regulator is prepared for oxygen, acetylene and propane (this can be also used for natural gas). Maximal flow capacity of S100 regulator is 100 Nm³/h for oxygen and 20 Nm³/h for fuel gases. Optionally can be added flashback arrestor GVA 90 eventually GVO 90. S200 regulator is designed for oxygen and has maximal flow capacity 200 Nm³/h. Maximal inlet pressure of HF-set outlet points is 30 bar for Oxygen and 40 bar for other industrial gases.

HF S100/S200



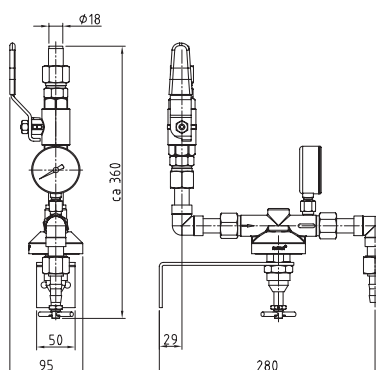
Type S200

Individual high-capacity outlet points for various industrial oxy-fuel applications. There are versions for oxygen with S100 or S200 regulators, version for acetylene and for propane, both with S100 (BG20) regulator. Products can be equipped with flashback arrestor (FBA) GVO90 or GVA90.

Item No.	Description	Flow capacity	Outlet pressure	Inlet	Outlet
14016242	Oxygen S100	100 m ³ /h	10 bar	G3/4"	G3/4", ø12,5
0768195	Oxygen S100	100 m ³ /h	16 bar	G3/4"	G3/4", ø12,5
0768086	Oxygen S200	200 m ³ /h	15 bar	G3/4"	G3/4", ø12,5
0768087	Oxygen S100 + FBA	100 m ³ /h	10 bar	G3/4"	G1/2", ø11
14016243	Acetylene S100 (BG20)	20 m ³ /h	1,5 bar	G1/2" LH	G1/2" LH, ø11
14016244	Propane S100 (BG20)	20 m ³ /h	4 bar	G1/2" LH	G1/2" LH, ø11
0768088	Propane S100 (BG20) + FBA	20 m ³ /h	4 bar	G1/2" LH	G1/2" LH, ø11



Type S100



HF TRIPLE S100

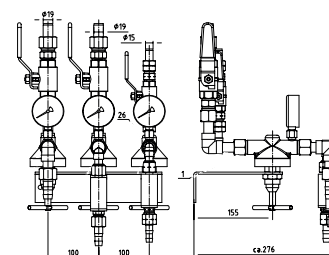


Three outlet points with S100 regulators mounted at the stable wall bracket. Outlets for heating oxygen as well as for fuel gas contain three function flashback arrestor GVO90 and GVA90.

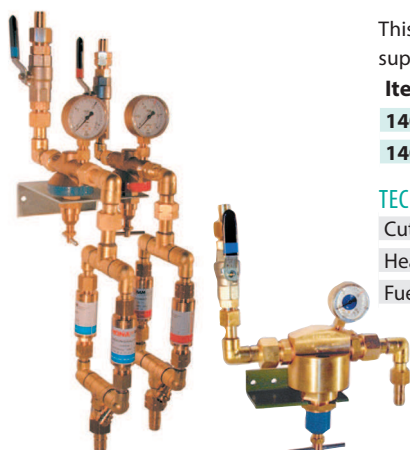
Item No.	Description
14016180	S 100 triple unit oxy/acetylene
14016181	S 100 triple unit oxy/propane

TECHNICAL TABLE - MAX. FLOW CAPACITY

Cutting oxygen	100 m ³ /h
Heating oxygen	100 m ³ /h
Fuel gas	20 m ³ /h



HF TRIPLE S200

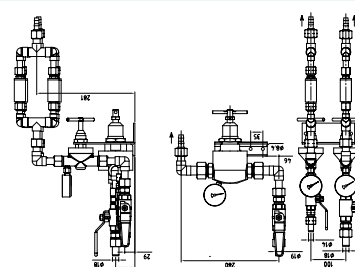


This triple outlet points are based on S200 regulator for cutting oxygen. Heating oxygen and fuel gas are supplied by S100 regulators, both with twin-connected three function flashback arrestor GVO90 and GVA90.

Item No.	Description
14016182	S 200 triple unit oxy/acetylene
14016183	S 200 triple unit oxy/propane

TECHNICAL TABLE - MAX. FLOW CAPACITY

Cutting oxygen	200 m ³ /h
Heating oxygen	100 m ³ /h
Fuel gas	20 m ³ /h



These Point-of-use systems are designed for high performing applications, i.e. machine cutting and automatized heating and similar applications, where standard point-of-use stations do not provide sufficient capacity and flow and where it is not necessary to regulate gas pressure at the outlet of the pipeworks.

HF BV, BALL VALVE UNIT



For compressed gases. Inlet: G 3/4" swivel nut with brazing nipple, diameter 19 mm. Outlet: G 3/4" swivel nut with hose nipples, 12,5 and 16 mm.

Item No.	Type	Gas, pressure	Inlet	Outlet
14016175	DN20 Ball valve unit	Oxy/Inert, 40 bar	G3/4" + brazing nipple 19 mm	G3/4" + hose nipples 12,5 mm and 16 mm

HF BV WITH FBA, BALL VALVE UNIT WITH FLASHBACK ARRESTOR



Consists of high performance multi functional safety device GVO 90/GVA 90 and ball valve DN 20, without regulator.

Item No.	Type	Gas, pressure	Inlet	Outlet
14016176	DN20 Ball valve unit with GVO90	Oxygen, 20 bar	G3/4" + brazing nipple 19 mm	G1/2" + hose nipple 11 mm
14016176	DN20 Ball valve unit with GVA90	All fuel gases, 5 bar, 1,5 bar	G1/2" + brazing nipple 19 mm	G1/2" + hose nipple 11 mm

HF TWIN



Consists of 2 high performance multi functional safety devices GVO 90/GVA 90 and ball valve DN 20, without regulator.

Item No.	Type	Gas, pressure	Inlet	Outlet
14016177	DN20 Ball valve unit with twin GVO90	Oxygen, 20 bar	G3/4" + hose nipple 12,5 mm	G3/4" + hose nipple 16 mm
14016179	DN20 Ball valve unit with twin GVA90	All fuel gases, 5 bar, 1,5 bar	G3/4" + hose nipple 12,5 mm	G3/4"LH + hose nipple 16 mm
0764926	Twin GVO90 unit	Oxygen, 20 bar	G3/4" + hose nipple 12,5 mm	G3/4" + hose nipple 16 mm
0764927	Twin GVA90 unit	All fuel gases, 5 bar, 1,5 bar	G3/4"LH + hose nipple 12,5 mm	G3/4"LH + hose nipple 16 mm

