



Gas Equipment

PRODUCT CATALOGUE 2017



A full line of gas equipment solutions for every application, industry, and environment.

XA00136920A

Process Description

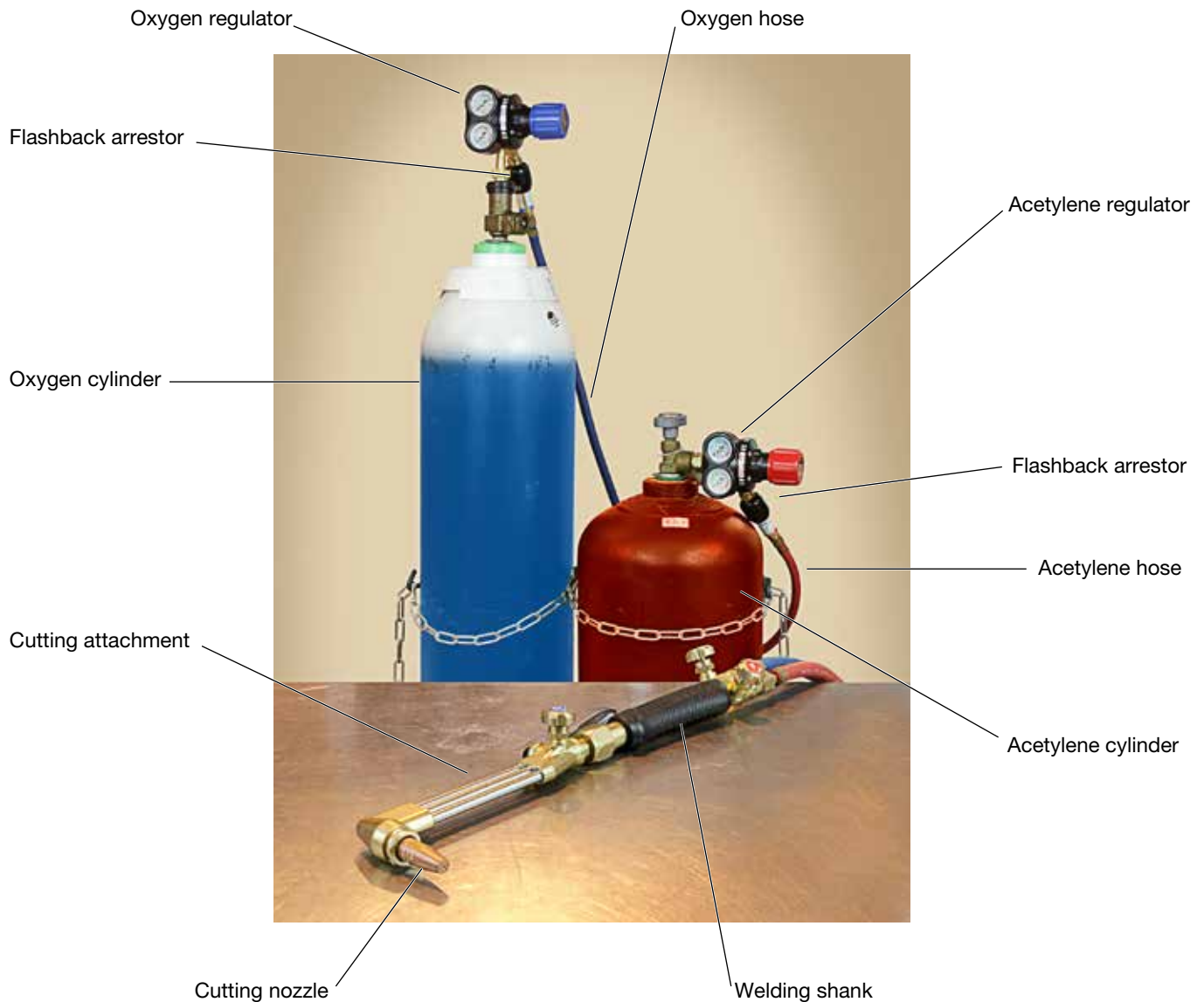
In oxy-fuel gas welding, heating, and cutting, an intense flame is produced by burning a controlled mixture of oxygen and a fuel gas. The gases are drawn from separate sources through pressure regulators and introduced into a torch for mixing. They exit the welding head or cutting tip, where they are ignited. Flame intensity depends on the flow rates of the gases, the gas mixture ratio, the properties of the fuel gas selected, and the type of welding head or cutting tip. Flow rates and mixture ratios are controlled by the regulator pressure settings and by the torch valves.

Welds are formed from the weld pool created through contact of flame, workpiece, and welding rod, if used. Use of flux removes oxide and scale from the welding area and helps assure a sound weld.

In cutting operations, a concentrated flame is used to preheat and maintain the workpiece at its ignition temperature while a high-velocity stream of oxygen is directed at the preheated plate. The oxygen stream rapidly oxidizes the metal in a narrow path and blows away the slag to form the kerf.

Basic equipment necessary for oxyfuel gas welding and cutting includes a torch with welding heads, cutting attachment, and cutting tips; oxygen and fuel gas hoses; oxygen regulator; and acetylene or other fuel gas regulator. Always comply with the instructions listed in the operator's manual provided with each piece of equipment.

A typical oxy-fuel set up / configuration



Gas Equipment

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Torches

WH463 - Type 21 - Heavy-Duty

Combination Torch WH463

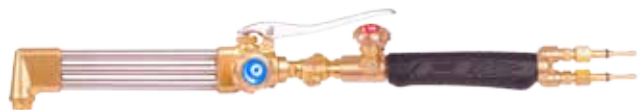
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WH485 - Type 11 - Light-Duty

Combination Torch WH485

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Cutting Nozzles

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WH463 Torch System - Type 21

Torches

EDGE™ 4 Oxygen



Part Number
0700 017 631

Flashback Arrestor



Part Number
0700 016 550

EDGE™ 4 Acetylene



Part Number
0700 017 630

Flashback Arrestor



Part Number
0700 016 551

Cutting Nozzles PNM-E [Propane]

	
Thickness [mm]	Part Number
3-6	0700 016 628
5-12	0700 016 629
10-75	0700 016 630
70-100	0700 016 631
90-150	0700 016 632
190-300	0700 016 633

Cutting Nozzles ANM-E [Acetylene]

	
Thickness [mm]	Part Number
3-6	0700 016 616
5-12	0700 016 617
10-75	0700 016 618
70-100	0700 016 619
90-150	0700 016 620
190-300	0700 016 621

Cutting Guides

	
Description	Part Number
Circle Cutting Guide Ø 40 mm - 700 mm	0383-0006
Cutting Guide Type 21	0383-0009
Cutting Guide small 0°-45°	0700 017 705

Twinhose



Diameter	Part Number
Ø 6,3 mm	0700 018 641
Ø 8,0 mm	0700 018 642

Welding Handle WH463 - Type 21



Description	Part Number
WH463-FV	0700 017 700
WH463	0700 017 701

Torches

Cutting Attachments Type 21



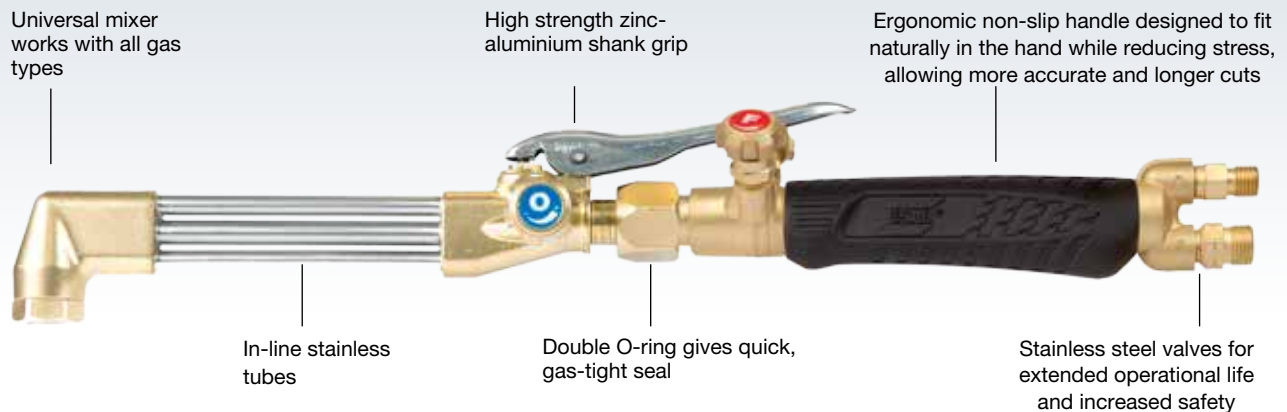
Description	Part Number
CA464-NM-3 180°	0700 017 706
CA464-NM-2 90°	0700 017 709
CA464-NM 75°	0700 017 708

Heating Attachments



Gasflow Oxygen [l/h]	Part Number
1800 (Single)	0700 017 736
2500 (Single)	0700 017 737
2500 (Multi)	0700 017 738
5000 (Multi)	0700 017 739

WH463 Torch System - Type 21



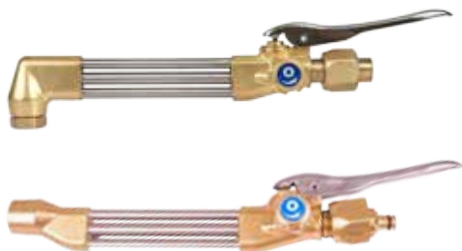
- Conforms to EN ISO 5172
- Compatible with other Type 21 torches on the market

Type 21 - Welding Handle



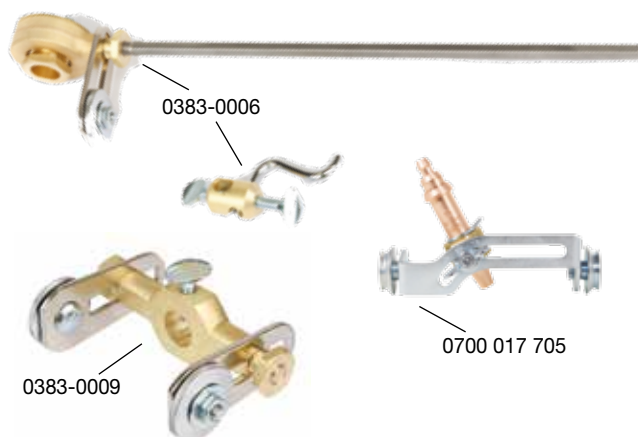
Description	Part Number
WH463-FV	0700 017 700
WH463	0700 017 701
WH463 Finland	0700 017 702
HCV 3/8" 6.3 mm LH Acetylene 1 st	0700 016 782
HCV 3/8" 6.3 mm RH Oxygen 1 st	0700 016 783
Coupling Nut, WH463 Type 21	0309-0151

Type 21 - Cutting Attachment



Description	Part Number
CA464-NM-3 180°	0700 017 706
CA464-NM-2 90°	0700 017 709
CA464-NM 75°	0700 017 708
O-ring 15,34 x 2,62 mm	1407-0367
O-ring 7,65 x 1,78 mm	1407-0366
Nozzle Nut	0309-0118

Cutting Guides



Description	Part Number
Circle Cutting Guide Ø 40 mm - 700 mm	0383-0006
Cutting Guide Type 21	0383-0009
Cutting Guide small 0°-45°	0700 017 705

WH463 Torch System - Type 21

Type 21 Complete Outfit



Description	Part Number
WH 463 kit	0700 017 703

Contents

- WH463-FV Welding Handle with BV12 ø 6,3 mm checkvalves
- Cutting Attachment 90°
- Cutting Nozzle 3-6mm
- Cutting Nozzle 5-12mm
- Cutting Nozzle 10-75mm
- Cutting Guide Type 21 small 0°-45°
- Wrench
- Nozzle cleaner set

Straight Cutting Torch ST443 for use with Type 21 Nozzles

ST443 90° Straight cutting Torch

- Forged brass body
- Stainless steel tubes and lever
- Stainless steel valves for increased service life
- High strength zinc-aluminium shank grip
- Fully conforms to ISO standards – EN ISO 5172

Low profile head and in line tubes provide outstanding visibility to the work area

Specially designed alloy material 3x the tensile strength of brass. Stainless steel cutting oxygen lever is positioned and contoured for maximum comfort

Universal mixer works with all gas types

Ergonomic non-slip handle designed to fit naturally in the hand while reducing stress, allowing more accurate and longer cuts

Stainless steel valves for extended operational life and increased safety



Description	Part Number
ST443 Straight Cutting Torch 53cm / 90°	0700 017 250
ST443 L Straight Cutting Torch 53cm / 90° with locking lever	0700 017 396
ST443 Straight Cutting Torch 69cm / 75°	0700 017 251
ST443 Straight Cutting Torch 91cm / 75°	0700 017 252
Nozzle Nut	0700 017 280

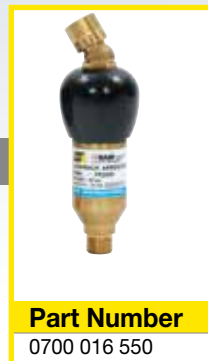
WH485 Torch System - Type 11

EDGE™ 4 Oxygen



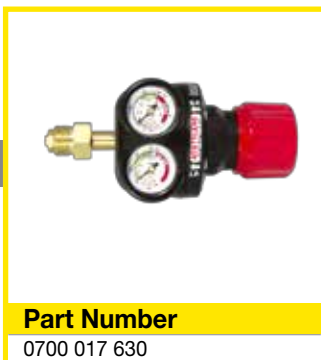
Part Number
0700 017 631

Flashback Arrestor



Part Number
0700 016 550

EDGE™ 4 Acetylene



Part Number
0700 017 630

Flashback Arrestor



Part Number
0700 016 551

Cutting Guide



Description	Part Number
Circle Cutting Guide Ø 60-600 mm Type 11	0700 017 740
Cutting Guide Type 11 small wheels 0°-45°	0700 017 741
Circle Cutting Guide Ø 20-60mm Type 11	0700 017 742

Cutting Nozzles

Thickness [mm]	Part Number
1,5-3	0700 017 715
3-8	0700 017 716
8-20	0700 017 717
20-50	0700 017 718
50-100	0700 017 719

Heating Attachments

Gasflow Oxygen [l/h]	Part Number
500	0700 017 733
800	0700 017 734
1000	0700 017 735

Twinhose



Diameter	Part Number
Ø 5,0 mm	0700 018 640
Ø 6,3 mm	0700 018 641

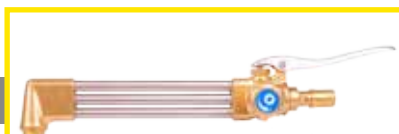
Welding Handle WH485 -



Description	Part Number
WH485-FV INCL BV12 5,0mm L+R	0700 017 710

Torches

Cutting Attachmenter Type 11



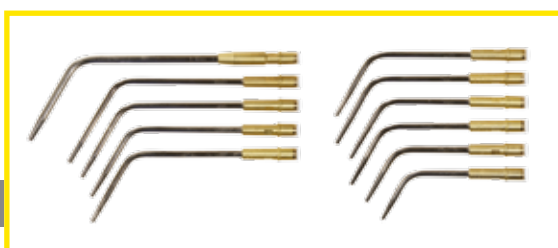
Description	Part Number
CA487 90°	0700 017 712

Flexible Welding Nozzles



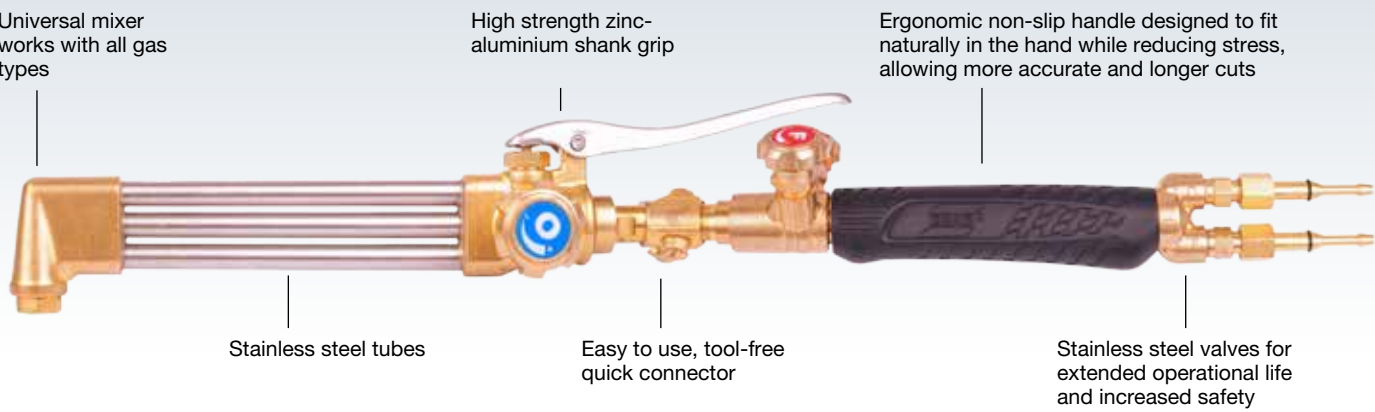
Gasflow Oxygen [l/h]	Thickness [mm]	Part Number
80	0,5-4	0700 017 728
160	1-2	0700 017 729
315	2-4	0700 017 730
500	4-6	0700 017 731
800	6-9	0700 017 732

Welding Nozzles



Gasflow Oxygen [l/h]	Thickness [mm]	Part Number
160	1-2	0700 017 720
230	1,5-3	0700 017 721
315	2-4	0700 017 722
400	3,5-5	0700 017 723
500	4-6	0700 017 724
800	6-9	0700 017 725
1000	8-12	0700 017 726
1200	9-14	0700 017 727

WH485 Torch System - Type 11



Type 11 - Welding Handle



Seal for handle / cutting attachment
0700 017 743



Quick connector WH485
0700 017 744

- Conforms to EN ISO 5172
- Compatible with other Type 11 / D75 torches on the market

Description	Part Number
WH485-FV INCL BV12 5,0mm	0700 017 710
Quick connector WH485	0700 017 744
HCV 1/4" 5,0 mm LH Acetylene 1 st	0700 017 850
HCV 1/4" 5,0 mm RH Oxygen 1 st	0700 017 851
HCV 1/4" 6,3 mm LH Acetylene 1 st	0700 016 780
HCV 1/4" 6.3 mm RH Oxygene 1 st	0700 016 781

Type 11 - Cutting Attachmenter



Seal for handle / cutting attachment
0700 017 743

Description	Part Number
CA487 90°	0700 017 712
Seal for handle / cutting attachment	0700 017 743
Type 11 nozzle nut	0309-0157

Type 11 Complete Outfit



Description	Part Number
WH 485 kit	0700 017 713

Innehåll

- WH485-FV Welding Handle with BV12 ø 5,0 mm checkvalves
- Cutting Attachment 90°
- Cutting Nozzle 3-8 mm
- Cutting Nozzle 8-20 mm
- Cutting Nozzle 20-50 mm
- Welding Nozzle 315 l/h
- Welding Nozzle 500 l/h
- Welding Nozzle 800 l/h
- Nozzle cleaner set

Cutting Nozzles



ANM-E. Type 21 Acetylene Cutting Nozzles



- Solid, one piece construction manufactured from high grade tellurium copper
- Always for use with acetylene
- Unique mandrel swaging process produces smooth and accurate gas passages giving the best conditions for optimum flame stability and efficiency.
- 'Diamond' turned seats guarantees the necessary metal-to-metal connection required for maximum backfire resistance

ANM-E cutting nozzles are compatible with Type 21 torches

Description	Metal Thickness mm	Part Number
ANM-E	3-6	0700 016 616
ANM-E	5-12	0700 016 617
ANM-E	10-75	0700 016 618
ANM-E	70-100	0700 016 619
ANM-E	90-150	0700 016 620
ANM-E	190-300	0700 016 621

PNM-E. Type 21 Propane Cutting Nozzles



- PNM's differ from ANM nozzles as different gas mixing criteria apply
- Two piece design consisting of a brass inner nozzle and a hollow copper outer sheath
- Turbulence must be created between the inner and outer parts of the nozzle to obtain adequate mixing of the propane and oxygen
- The volume of mixed Oxy-Propane needs to be more than double that of Oxy-Acetylene for the same useable heat
- This extra volume is achieved by very large channels that are present on the brass inner nozzle which conduct the greater volumes of gas

PNM-E cutting nozzles are compatible with Type 21 torches

Description	Metal Thickness mm	Part Number
PNM-E	3-6	0700 016 628
PNM-E	5-12	0700 016 629
PNM-E	10-75	0700 016 630
PNM-E	70-100	0700 016 631
PNM-E	90-150	0700 016 632
PNM-E	190-300	0700 016 633

A-GNM. Type 21 Acetylene Gouging Nozzles



- Solid, one piece construction
- Strong flame for easy starts
- Integrated support piece

A-GNM gouging nozzles are compatible with Type 21 torches

Description	Thickness mm	Groove Width	Part Number
A-GNM 13	3 - 8	6 - 8	0700 016 640
A-GNM 19	6-11	8 - 11	0700 126 810

D75 / Type 11 Acetylene Cutting Nozzles



- Solid, one piece construction
- Strong, stable flame

D75 cutting nozzles are compatible with Type 11 torches

Description	Metal Thickness mm	Part Number
D75 - 1A	1,5 - 3	0700 017 715
D75 - 2A	3 - 8	0700 017 716
D75 - 3A	8 - 20	0700 017 717
D75 - 4A	20 - 50	0700 017 718
D75 - 5A	50 - 100	0700 017 719

Safety Devices

Flashback arrestors

ESAB's range of flashback arrestors are all designed for optimum usage, giving high flow rates whilst still providing the highest levels of function and safety.

The range is extensive and offers users the option to have a safety device at the torch and regulator.

All ESAB flashback arrestors fully conform to the standard BS EN 730-1

Safety elements by flashback arrestor type

Model	Non return valve (NA)	Flame arrestor (FA)	Thermal cut off valve (TV)	Pressure sensitive cut off valve (PV)	Dust filter
FR2000	X	X	X	X	X
FR1000	X	X	X	X	X
FRT	X	X	X		X
FTH	X	X			X
FT	X	X			X

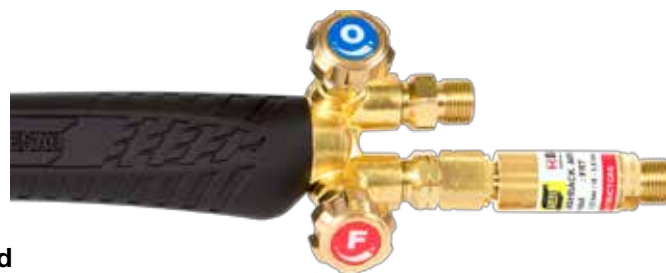
All fuel gas models are suitable for the following Gas service

Gas	Working Pressure (bar)	Working Pressure (Mpa)
Acetylene (A)	1,5	0,15
Propane (P)	5	0,5
Hydrogen (H)	3,5	0,35
Ethylene (E)	5	0,5
Methane (M)	5	0,5
Town Gas (C)	5	0,5

FBA's suitable for fuel gases are suitable for a range of fuel gases however it is industry best practice that once a gas is used with the equipment, it remains in use on that gas type only.



Regulator Mounted
FR2000, FR1000, FRT



Torch Mounted
FT, FTH,

FR1000 – Resettable flashback arrestors

FR1000 is the most popular choice of flashback arrestor for manual cutting and welding applications. Features a built-in Reset function.

Choose FR1000 for:

- Welding up to 30 mm
- Cutting up to 200 mm
- Heating up to 100 mm

FR1000 offers the following safety features:

- Dust filter
- Angled outlet connection – safe hose fall angle
- Gas non-return valve
- Flame arrestor
- Thermal cut-off valve
- Pressure sensitive gas cut-off valve

Model	Description	Gas Type	Connection Thread	Part Number
FR1000	Regulator mounted, resettable flashback arrestors	Oxygen	3/8" RH	0700 016 550
		Fuel Gas	3/8" LH	0700 016 551
		Oxygen	1/4" RH	0700 018 151



Safety Devices

Flashback arrestors and quick connectors

Regulator and torch mounted flashback arrestors

■ FR2000 – High-flow, resettable flashback arrestors

Model	Description	Gas Type	Connection Thread	Part Number
FR2000	Regulator mounted, resettable, high-flow flashback arrestors	Oxygen	3/8" RH	0700 016 552
		Fuel Gas	3/8" LH	0700 016 553
		Oxygen	1/4" RH	0700 018 150



■ FRT – Non resettable

Model	Description	Gas Type	Connection Thread	Part Number
FRT	Regulator mounted, non-resettable flashback arrestors	Oxygen	3/8" RH	0700 016 554
		Fuel Gas	3/8" LH	0700 016 555
		Oxygen	1/4" RH	0700 017 780



■ FTH / FT – Torch mounted, Non resettable

Model	Description	Gas Type	Connection Thread	Part Number
FTH	Torch mounted, non-resettable flashback arrestor, for unfitted hose	Oxygen	8 mm Nipple - 3/8" RH	0700 016 558
		Fuel Gas	8 mm Nipple - 3/8" LH	0700 016 559
		Fuel Gas	9 mm Nipple - 3/8" LH	0700 018 154
		Oxygen	6,3 mm Nipple - 3/8" RH	0700 017 781
		Fuel Gas	6,3 mm Nipple - 3/8" LH	0700 017 782
		Oxygen	6,3mm Nipple - 1/4" RH	0700 017 783
FT	Torch mounted, non-resettable flashback arrestor	Oxygen	3/8" RH	0700 016 556
		Fuel Gas	3/8" LH	0700 016 557
		Oxygen	1/4" RH	0700 016 740
		Fuel Gas	1/4" LH	0700 016 739



Flashback arrestors

Quick Connectors

■ CR Quick Connector -regulator mounted quick connector

Model	Description	Gas Type	Connection Thread	Part Number
CR	Regulator mounted quick connector	Oxygen	G3/8" RH	0700 018 160
		Fuel Gas	G3/8" LH	0700 018 161
		Oxygen	G1/4" RH	0700 018 162
		Inert gas	G1/4" RH	0700 018 163



■ CH Quick Connector - in hose or torch mounted (with hose tail) quick connector

Model	Description	Gas Type	Connection Thread	Part Number
CH	Quick connector - in-hose or torch mounted with hose tail	Oxygen	5,0mm	0700 018 360
		Fuel Gas	5,0mm	0700 018 361
		Oxygen	6,3mm	0700 018 164
		Fuel Gas	6,3mm	0700 018 165
		Inert gas	6,3mm	0700 018 166
		Oxygen	8mm	0700 018 167
		Fuel Gas	8mm	0700 018 168
		Inert gas	8mm	0700 018 169
		Fuel Gas	9mm	0700 018 170



■ D2 Coupling pin with hose tail

Model	Description	Gas Type	Connection Thread	Part Number
D2	Coupling pin with hose tail	Oxygen	5,0mm	0700 018 358
		Fuel Gas	5,0mm	0700 018 359
		Oxygen	6,3mm	0700 018 171
		Fuel Gas	6,3mm	0700 018 172
		Inert gas	6,3mm	0700 018 173
		Oxygen	8mm	0700 016 768
		Fuel Gas	8mm	0700 016 769
		Inert gas	8mm	0700 018 174
		Fuel Gas	9mm	0700 018 175



■ D1 Coupling pin with swivel nut

Model	Description	Gas Type	Connection Thread	Part Number
D1	Coupling pin with swivel nut	Oxygen	G3/8" RH	0700 016 777
		Fuel Gas	G3/8" LH	0700 016 778
		Inert gas	G3/8" RH	0700 018 176
		Oxygen	G1/4" RH	0700 018 177
		Inert gas	G1/4" RH	0700 018 178



Hose Assemblies and Fittings

Twinhose

Twinhose for oxygen/acetylene (blue/red). Hoses are marked with gas type, dimension and pressure data. They are supplied in 40 m lengths.

Check the hoses regularly. To avoid leakage, replace the hose when cracks start to appear.

■ Conforms to EN 559



Twinhose

Description	Part Number
5,0 x 5,0 mm twinhose, 40 m	0700 018 640
6,3 x 6,3 mm twinhose, 40 m	0700 018 641
8,0 x 8,0 mm twinhose, 40 m	0700 018 642

Hose fittings and supplies

Description	Diameter	Connection	Pack Size	Part Number
Hose Check Valves (HCV's)	5,0 mm	1/4" LH	1	0700 017 850
		1/4" RH	1	0700 017 851
	6,3 mm	1/4" LH	1	0700 016 780
		1/4" RH	1	0700 016 781
		3/8" LH	1	0700 016 782
		3/8" RH	1	0700 016 783
	8 mm	3/8" LH	1	0700 016 784
		3/8" RH	1	0700 016 785
	10 mm	3/8" LH	1	0700 016 786
		3/8" RH	1	0700 016 787



Description	Diameter	Connection	Pack Size	Part Number
Nut Couplings	N/A	1/4" BSP LH	10	0700 016 788
		1/4" BSP RH	10	0700 016 789
		3/8" BSP RH	10	0700 016 790
		3/8" BSP LH	10	0700 016 791



Description	Diameter	Connection	Pack Size	Part Number
Nipples / Tails	5,0 mm	1/4"	10	0700 017 854
	6,3 mm	1/4"	10	0700 016 792
		3/8"	10	0700 016 793
	8 mm	3/8"	10	0700 016 794
	10 mm	3/8"	10	0700 016 795



Description	Diameter	Connection	Pack Size	Part Number
O-clips	6,3 mm	N/A	100	0700 888 910
	8 mm	N/A	100	0700 017 060
	10 mm	N/A	100	0700 888 911

Torch Accessories

ESAB gas equipment accessories

Nozzle cleaner sets

- For cleaning orifices of welding and cutting nozzles.

Description	Pack Size	Part Number
Nozzle cleaner set	1	0700 153 391



Spark lighters

- Pistol, cup and triplehead models.

Description	Pack Size	Part Number
SL2 'Pistol' type	5	0700 154 807
SL2 Flints	100	0700 119 695
SL3 'Cup' type	1	0701 380 220
SL3 Flints	5	0701 380 221



CO2 Heater

- Specifically designed for use with Carbon Dioxide, this unit allows flows of up to 19 l/min without risk of freezing or noticeable changes in the flow or pressure.

Description	Voltage / Watts	Part Number
CO2 Heater	230V / 200W	0701 020 010



Economiser

- Gas Economy device

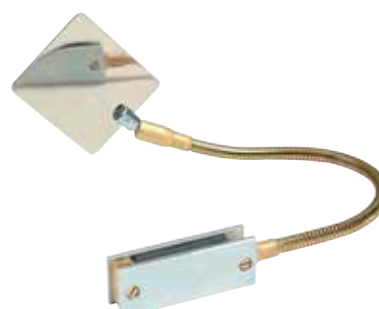
Description	Pack Size	Part Number
Economiser	1	0701 282 575



Inspection mirror with magnet

- Stainless steel inspection mirror for inspecting welds.

Description	Part Number
Inspection mirror, 500 mm with magnetic base	0000 595 319



Accessories

Eye Protection

Warrior with DIN 5 Lens

- The shade 5 spectacles provide protection not only against IR/UV light but also against visible light during gas welding/cutting.

Description	Pack Size	Part Number
Warrior safety spectacles, DIN 5 lens	10	0700 012 033



ESAB Ski goggles with DIN 5 lens

- The special injected frame offers supreme user comfort as well as durability. Expanded Visual field. Cross Vent technology keeps air flowing in and moisture out. Moulded 2mm poly carbonate lens provides great impact protection. These goggles meet ANSI Z87.1+ impact standard. ESAB Revolution UVIR Shade 5 is CE certified in addition to EN 169:2002 Optical Radiation (Welding).

Description	Pack Size	Part Number
ESAB Ski goggle shade 5	1	0700 012 033



ESAB Flip Front Goggle Round Shade 5

- Protective goggle shade 5 for gas welding, brazing and gas cutting. The goggles are ventilated and have a flip-front mechanism. CE approved according EN 166/EN 175.

Description	Pack Size	Part Number
Flip Front Goggle, Shade 5	1	0700 012 022
Filter Lens 50mm DIN 4	25	0000 665 604
Filter Lens 50mm DIN 5	25	0000 665 605
Filter Lens 50mm DIN 6	25	0000 665 606
Glass cover lens 50mm glas	50	0000 665 600
Plastic cover lens 50mm plast	50	0000 665 618



Curved TIG Gauntlet

- These superior new welding gloves from ESAB offer a whole new approach to fit, form and function. Ergonomically designed to fit the natural curve of the hand, offering increased quality & comfort to the wearer. The TIG glove is made from thin high quality leather, with improved fit for higher dexterity. The glove is highly durable, with welted seams & kevlar stitching. The glove is also extremely light weight, which increases the comfort to the wearer.

Description	Pack Size	Part Number
Curved TIG Gauntlet, M	1	0700 005 036
Curved TIG Gauntlet, L	1	0700 005 041
Curved TIG Gauntlet, XL	1	0700 005 042
Curved TIG Gauntlet, XXL	1	0700 005 037



Accessories

Cylinder Trolleys



Trolley FK 240

- Gas bottle trolley FK 240 is approved for two 40 or 50 litre gas bottles. Supplied with pneumatic tyres and a lockable toolbox. Approved for lifting. CE approved.

Description	Part Number
Trolley FK 240 for 2 x 50 l	0349 968 528



Trolley FK 220

- Gas bottle trolley FK220 is approved for two 20 litre gas bottles. Supplied either with solid rubber tyres or large pneumatic tyres. Approved for lifting. CE approved.

Description	Part Number
Trolley FK 220 with solid rubber tyres for 2 x 20 l	0349 968 526
Trolley FK 220 with pneumatic rubber tyres for 2 x 20 l	0349 968 527



FK 220
Solid tyres



FK 220
Pneumatic tyres

Universal Single Trolley

- Universal trolley approved for one 40 or 50 litre gas bottle. Supplied with solid rubber tyres. Unassembled. Approved for lifting. CE approved.

Description	Part Number
Universal Single Trolley for 1 x 50 l	0700 014 044



Copper-coated wire for gas welding

OK Gasrod 98.70

OK Gasrod 98.70

- OK Gasrod 98.70 is a 1.0Mn-alloyed, copper-coated welding rod for gas welding of unalloyed steels in applications including tanks and piping.

Description	Diameter [mm]	Length [mm]	Part Number	Pack [kg]
OK Gasrod 98.70 1.6x1000 5kg	1,6	1000	9870 16R 150	5
OK Gasrod 98.70 2.0x1000 5kg	2,0	1000	9870 20R 150	5
OK Gasrod 98.70 2.5x1000 5kg	2,4	1000	9870 25R 150	5
OK Gasrod 98.70 3.0x1000 5kg	3,0	1000	9870 30R 150	5
OK Gasrod 98.70 4.0x1000 5kg	4,0	1000	9870 40R 150	5



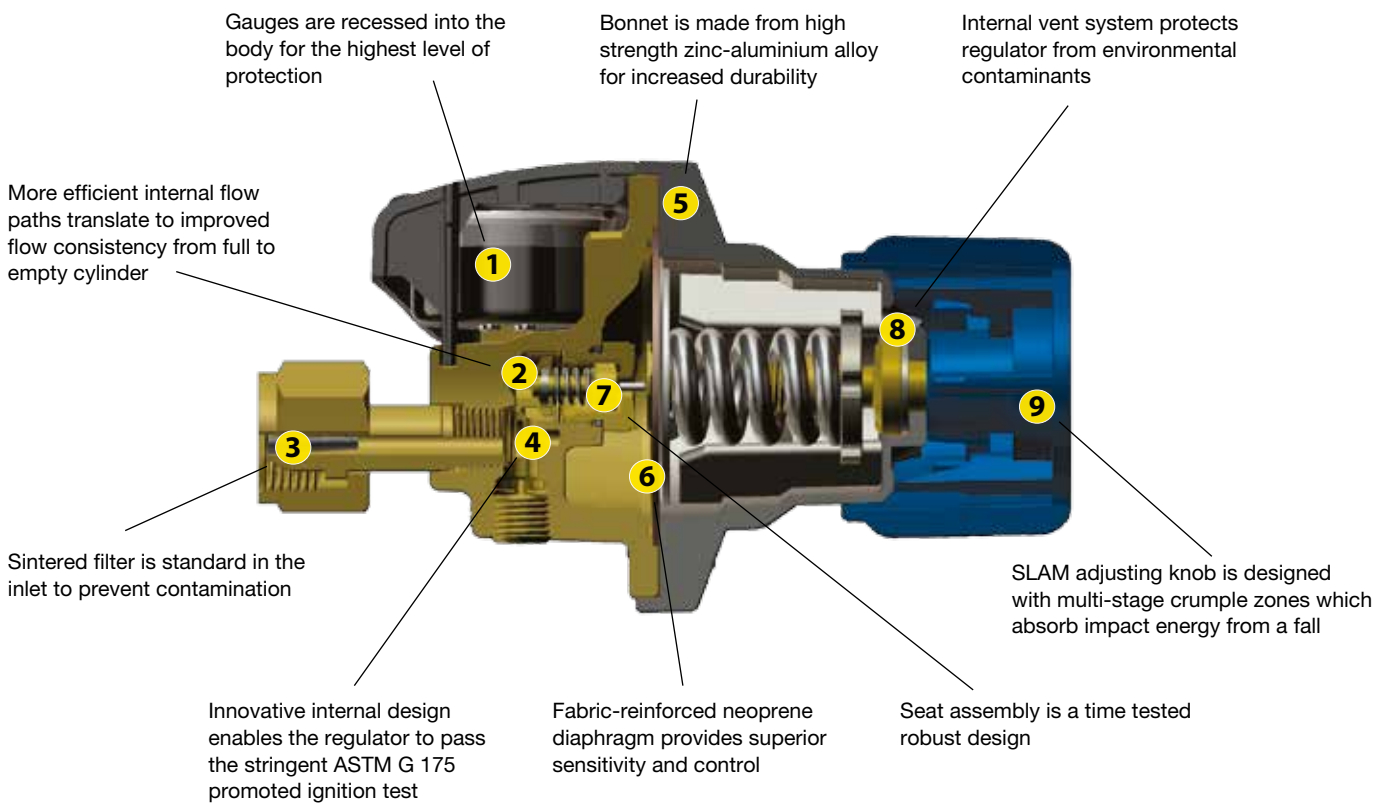
Classifications		Wire composition			Typical mech. properties all weld metal		
SFA/AWS A5.2	R60	C	Si	Mn	Yield Stress	Tensile Strength	Elongation
EN 12536	Oil	0,1%	0,2%	1,0%	300 MPa	390 MPa	20 %

Regulators

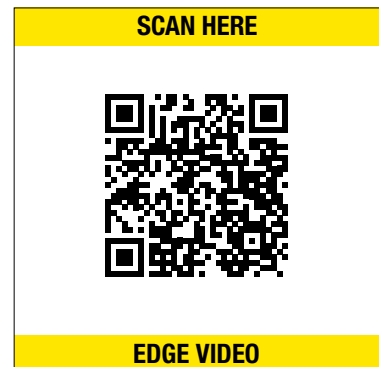
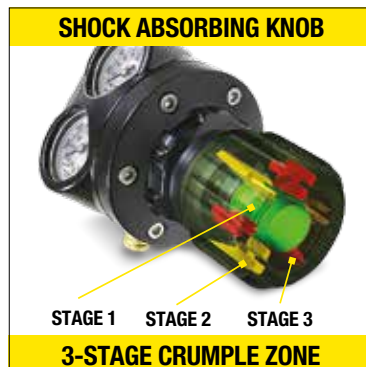
EDGE™ Series Regulators

Choose EDGE!

Innovative EDGE Series Regulators offer safety and advanced design. The regulators offer the safest, most reliable and highest quality gas control technology, giving you more value for your purchase. The EDGE Series regulators have easy to read gauges with enhanced graphics, color-coded knobs for quick gas identification, and offer more natural and safer hand/body positioning for adjusting delivery pressure. Durable and compact, the advanced design makes them some of the most compact industrial regulators available on the market. Construction materials have been carefully chosen for optimum durability, including a forged brass body, stainless steel bolts, and a regulator housing cap constructed of a zinc-aluminum alloy which has nearly twice the yield strength of brass. Meets ISO 2503



SLAM™ Technology



EDGE regulators feature SLAM™ (Shock Limitation and Absorption Mechanism) technology built into the adjusting knob. The three-stage crumple zone provides additional strength and protection to the regulator internals and cylinder valve to improve safety in the workplace.

Regulators

EDGE™ 4 Series Regulators

Edge 4 Series single stage regulator range

- Forged brass body
- Zinc - aluminium bonnet
- High impact ABS gauge guard for increased durability
- 40mm high contrast steel gauges
- External self reseating relief valve
- Sintered inlet filter - nickel plated bronze
- SLAM impact absorbing safety knob
- Achieves ASTM G - 175 promoted ignition test
- Meets ISO 2503

Supplied with:

2 gaskets, hose nipples, nut and instruction manual.



Ordering Information - Pressure

Part Number	Gas Type	Pressure	Gauge 1	Gauge 2	Max. Pressure	Inlet connection	Outlet Connection
0700 017 625	Hydrogen	0-10 Bar	0-315 Bar	0-16 Bar	200 Bar	W21,8 X 1/14" LH	G3/8" LH
0700 017 630	Acetylene	0-1,5 Bar	0-25 Bar	0-2,5 Bar	25 Bar	G 3/4" (utv)	G3/8" LH
0700 017 631	Oxygen	0-10 Bar	0-315 Bar	0-16 Bar	200 Bar	W21,8 X 1/14"	G3/8"
0700 017 632	Argon/CO2	0-10 Bar	0-315 Bar	0-16 Bar	200 Bar	W24,32 X 1/14"	G3/8"
0700 017 633	Nitrogen	0-16 Bar	0-315 Bar	0-2,5 Bar	200 Bar	W24,32 X 1/14"	G3/8"
0700 017 444	Propane	0-25 Bar	0-25 Bar	0-4 Bar	25 Bar	W21,8 X 1/14" LH	G3/8" LH

Ordering Information - Flow

Part Number	Gas Type	Flow Rate	Content Gauge	Flowmeter	Max. Pressure	Inlet connection	Outlet Connection
0700 017 636	Argon/CO2	0-40 l/min	0-315 Bar	0-50 l/min	200 Bar	W24,32 X 1/14"	G3/8"
0700 017 454	Argon/CO2	0-40 l/min	0-315 Bar	0-50 l/min	200 Bar	W21,8 X 1/14"	G1/4" RH

Accessories

Model	Description	Pack Size	Part Number
Gasket	Nylon gasket for oxygen, argon and CO2 regulators. Ø18,5 x 11,8mm	10 pieces	1408-0162
Gasket	Nylon gasket for acetylene regulators. Ø18,5 x 9,6mm	10 pieces	1408-0163

See pages 12-13 for the ESAB range of Flashback Arrestors.

Regulators

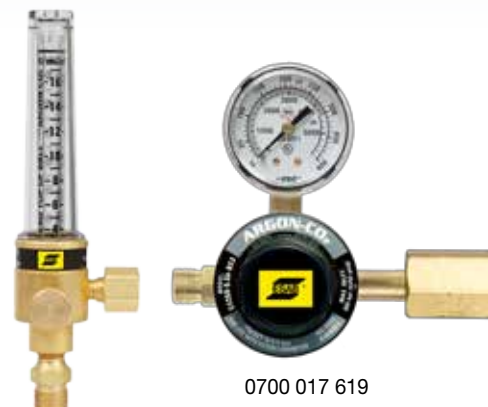
G Series Regulators

G Series medium capacity regulator range

- Gauge grey scale indicates supply and delivery pressure capacity of the regulator
- High strength zinc aluminium bonnet nearly twice the yield strength of forged brass provides exceptional durability
- 50mm steel gauges
- Colour coded knobs for ease of use and clear identification of gas type
- Forged brass body
- Extended stem fits all common cylinder valves
- Meets ISO 2503

Supplied with:

2 gaskets, hose nipples, nut and instruction manual.



0700 017 619

0701 300 021 /
0701 300 022

Ordering Information - Pressure

Part Number	Gas Type	Pressure	Gauge 1	Gauge 2	Max. Pressure	Inlet connection	Outlet Connection
0700 017 621	Oxygen	0-10 Bar	0-315 Bar	0-16 Bar	200 Bar	W21,8 X 1/14"	G3/8
0700 017 628	Oxygen	0-4 Bar	0-315 Bar	0-16 Bar	200 Bar	W21,8 X 1/14"	G3/8
0700 017 620	Acetylene	0-1,5 Bar	0-25 Bar	0-2,5 Bar	25 Bar	G 3/4" (utv)	G3/8 LH
0700 017 623	Propane	0-2,5 Bar		0-4 Bar	25 Bar	POL 0,885" x 1/14" LH (utv)	G3/8 LH
0700 017 463	Oxygen	0-10 Bar	0-315 Bar	0-16 Bar	200 Bar	G 3/4 RH	G1/4 RH
0700 017 465	Propane	0-2,5 Bar		0-4 Bar	25 Bar	W21,8 x 1/14" LH	G3/8 LH
0700 017 634	Nitrogen	30-200 Bar	0-400 Bar	0-315 Bar	300 Bar	W24,32 X 1/14"	G3/8
0700 017 635	Air	30-200 Bar	0-400 Bar	0-315 Bar	300 Bar	G5/8	G3/8

Ordering Information - Flow

Part Number	Gas Type	Flow Rate	Content Gauge	Flowmeter	Max. Pressure	Inlet connection	Outlet Connection
0700 017 629	Argon/CO2	0-40 l/min	0-315 Bar	0-50 l/min	200 Bar	W24,32 X 1/14"	G3/8
0700 017 626	CO2	0-40 l/min	0-315 Bar	0-50 l/min	200 Bar	W21,8 X 1/14"	G3/8
0700 017 467	Argon/CO2	0-40 l/min	0-315 Bar	0-50 l/min	200 Bar	W21,8 X 1/14"	G1/4 RH
0700 017 619	Argon/CO2	2 Bar (fixed)	0-315 Bar		200 Bar	W24,32 X 1/14"	G3/8
0700 017 472	Argon/CO2	2 Bar (fixed)	0-315 Bar		200 Bar	W21,8 x 1/14"	G3/8
0701 300 021	Flowmeter for TIG. 16 l/min. used with 0700 017 619.					G3/8	G3/8
0701 300 022	Flowmeter for MIG/MAG. 30 l/min. used with 0700 017 619.					G3/8	G3/8

Accessories

Part Number	Model	Description
1408-0162	Gasket	Nylon gasket for oxygen, argon and CO2 regulators. Ø18,5 x 11,8mm
1408-0163	Gasket	Nylon gasket for acetylene regulators. Ø18,5 x 9,6mm

Regulator/flowmeter combination

Optiflow™



Optiflow an exciting mix of economy and performance!

- Can reduce shielding gas consumption by 50%!
- Greatly reduces initial gas surge – improving weld quality
- The reduction in the gas surge results in less turbulence around the weld pool
- Less downtime in changing cylinders due to the increased efficiency of the Optiflow
- Available in two different basic versions – either for connection to gas cylinders or as part of a system for outlet points
- Multi stage design giving steady gas flow throughout the life of the cylinder



Optiflow



Optiflow II

Optiflow™

Offering up to 50% gas saving whilst reducing the gas surge and reducing the risk of porosity in the welding joint.

Optiflow II

All the features of the Optiflow but with the addition of an extra gas outlet should there be a wish to use a backing gas out of the same cylinder. The same savings for the shielding gas are obtained as with the Optiflow. The welding gas and backing gas can each be adjusted separately.

Optiflow Outlet Points

Offering the same gas saving features as the Optiflow.

Optiflow Built in Solution

For use alongside a normal regulator in order to add the gas saving function to a welding machine or feeder unit



Optiflow
Outlet Points



Optiflow
Gas Saver Solution

Beställningsinformation

Description	Inlet and Outlet Connection	Gas Type	Gas Flow	Part Number
Optiflow ar/mix	W24,32 x 1/14" inlet, G3/8" BSP outlet	Argon/Mix	30 LPM	0700 016 990
Optiflow II ar/mix with 2 flowmeters	W24,32 x 1/14" inlet, G3/8" BSP outlet	Argon/Mix	30 LPM	0700 016 995
Optiflow outlet point	G3/8" BSP inlet and outlet	Argon/Mix	30 LPM	0700 016 998
Optiflow outlet point lockable	G3/8" BSP inlet and outlet	Argon/Mix	30 LPM	0700 016 999
Optiflow for Altop/other quick connectors	Altop quick connectors	Argon/Mix	30 LPM	0700 017 000
Optiflow ar/mix s/e NEVOC	NEVOC inlet, G3/8" RH outlet	Argon/Mix	30 LPM	0700 017 001

Accessories

Part Number	Description
0700 016 985	Replacement Gauge
0700 016 986	Replacement Flowmeter





UNRIVALLED SERVICE AND SUPPORT.

Every ESAB product is backed by our commitment to superior customer service and support. Our skilled customer service department is prepared to quickly answer any questions, address problems, and help with maintenance and upgrading of your equipment. Our products are backed with the most comprehensive warranty in the business.

With ESAB, you can be sure that you purchased equipment that will meet your needs today and in the future. Ask your ESAB sales representative or distributor for a complete ESAB solution.

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