

# Weldgas

## Gas Equipment



PRODUCT CATALOGUE  
2020



[www.weldfastuk.co.uk](http://www.weldfastuk.co.uk)

# Weldgas

## Gas Equipment

Choose Us

### Why choose us?

In an extremely competitive industry, aspects such as customer care, product quality and company innovation are sometimes lost, however, here at Weldfast UK we continue to maintain the important values beyond just making sales



#### Relationship With Customers

You are fundamental to our business, and we treat you accordingly; With care, consideration and respect.

#### A Wealth Of Experience

Combining the vast knowledge of the industry provided by our dedicated team means that Weldfast UK can offer decades of experience in all aspects of your welding and automation needs.

### Our Promise To You

#### Value For Money

We offer high quality goods at competitive prices, so our customers know they are getting the best deal possible.

#### Advice & Support

Our sales team are dedicated not only in assisting you with your purchases, but also any additional requirements you may have.



### The Weldgas Way

Weldgas is a vast and comprehensive range of UK tested gas equipment. We are constantly striving to provide you with the most advanced and safe equipment possible. Our design and development processes are frequently revised so that we are able to bring you the Weldgas range as you know it; with built to last performance. Consistently revising our designs means that the Weldgas range is never out of style. Our products utilise the latest technology available and this, combined with over 40 years' experience in the field, gives our users immaculate results and unrivalled precision; making you the best in the business.

Assembling our own range of gas equipment, using our ample stock of components, which are identified and traceable back through production reports means that Weldgas are also able to tender to special requirements, whether you are looking for regional specific products or special connections. We can meet all your expectations.

Your safety is at the forefront of our efforts. We rigorously quality assess test our regulators upon assembly as well as prior to dispatch to ensure that they are safe for use at all times, in all environments and during all applications. Furthermore, our regulators are third party tested by a European institute ensuring that the materials used comply with UK and European standards, to give you extra peace of mind.

The Weldgas range can give you the edge required to excel in this industry thanks to our UKAS calibrated in-house test facility. This facility gives us 400 bar of high purity, breathing quality air to test all regulators up to an outlet pressure of 250 bar. We have the ability to test pressure and flow, monitor valve creep, lock up, pressure drop and check for gauge accuracy. The master test equipment itself is annually tested every 6 months, this including an air quality test every 3 months to ensure that no impurities enter the test gas and equipment at the time of testing.

After all, to be the best you have to have the best...



# Weldgas

## Gas Equipment

### Table of Contents

<b>Regulators</b>	<b>Pages 5-22</b>	<b>Safety Relief Valves</b>	<b>Page 33</b>
⇒ Single Stage Economy	5-6	⇒ SV 805	33
⇒ Single Stage Premium	7-8	<b>Gas Filter</b>	<b>Page 34</b>
⇒ Two Stage	9-10	⇒ Gas Filter 77	34
⇒ High Flow	11	<b>Gas Mixer</b>	<b>Page 35</b>
⇒ High Pressure	12	⇒ KM20-100_2	35
⇒ Point Of Use	13-14	<b>Gas Savers</b>	<b>Page 36</b>
⇒ Heater/Regulator	15	⇒ Argon	36
⇒ Gas Pre-Heater	16	⇒ Oxygen/Acetylene	36
⇒ Eco-Flu	17-18	⇒ Oxygen/Propane	36
⇒ Optimator I Cylinder Regulator	19-20	⇒ Premium Oxygen/Acetylene	36
⇒ Optimator II Cylinder Regulator	20	⇒ Premium Oxygen/Propane	36
⇒ Optimator Manifold Regulator	20	<b>Cutting Torches &amp; Accessories</b>	<b>Pages 37-40</b>
⇒ Regulator Flow meter	21	⇒ Economy Torches	37
⇒ Mini MIG	22	⇒ Premium Torches	38
<b>Flashback Arrestors</b>	<b>Pages 23-28</b>	⇒ Injector Type	39
⇒ RF53N Non-Reset Barrel Type	23	⇒ Headnuts	37-39
⇒ Super 55 Resettable	24	⇒ Lightweight	40
⇒ High Flow	25-26	⇒ Type 5	40
⇒ Torch Mounted	27	<b>Cutting Nozzles</b>	<b>Pages 41-43</b>
⇒ RF53N-ES	28	⇒ Acetylene NM Cutting Nozzles	41
<b>Test Equipment</b>	<b>Page 29</b>	⇒ Sheet Metal	41
⇒ Test Rig 722	29	⇒ Acetylene Gauging	41
<b>Quick Coupling System</b>	<b>Page 30</b>	⇒ Light Duty (AFN)	41
⇒ Torch Mounted	30	⇒ Propane NM Cutting Nozzles	42
⇒ Regulator Mounted	30	⇒ Propane Gauging	42
<b>Non-Return Valves</b>	<b>Pages 31-32</b>	⇒ NM10 Heavy Duty Propane Cutting Nozzle	43
⇒ Ultra 10	31	⇒ 4" HDP Cutting Nozzle	43
⇒ Ultra 20	32	⇒ VVC Type	43
		⇒ NFF Type	43

# Weldgas

## Gas Equipment

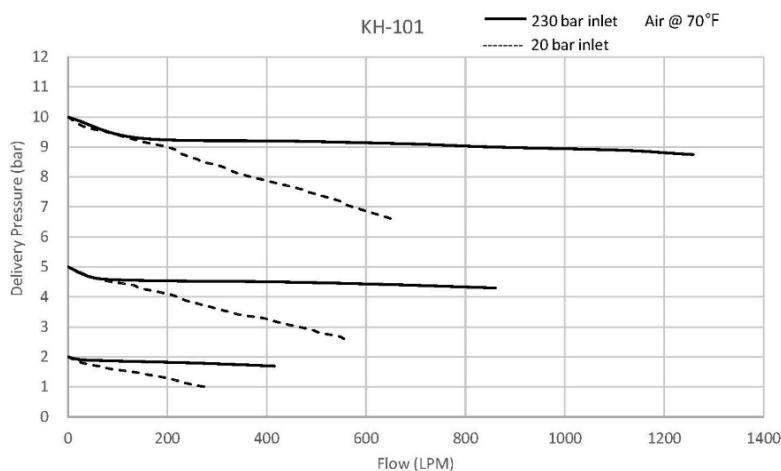
### Table of Contents

<b>Heating/Welding</b>	<b>Pages 44-48</b>	⇒	Combination Spanners & Spindle Keys	78
⇒ Propane Super Heating	44	⇒	Tip Cleaners	78
⇒ Acetylene Heating	44	⇒	Spark Lighters & Renewals	78-79
⇒ Type 5 Welding	45	⇒	Cylinder Valves, Extensions & Adaptors	80
⇒ Lightweight Welding	46		<b>Cylinder Trolleys &amp; Gas Storage</b>	<b>Pages 81-83</b>
⇒ NM Super Heating	47	⇒	Solid Tyre Trolley	81-82
⇒ PHNM	47	⇒	Pneumatic Tyre Trolley	82
⇒ Type 86 & 88 Propane Heating	48	⇒	Cylinder Cages	83
		⇒	Wall Brackets	83
<b>Flowmeters</b>	<b>Page 49</b>		<b>Thermic Lancing</b>	<b>Page 84</b>
⇒ Economy	49	⇒	Thermic Lance Holders	84
⇒ Premium	49	⇒	Thermic Lances	84
		⇒	Accessories	84
<b>Speciality Gas Equipment</b>	<b>Pages 50-66</b>		<b>Purging Equipment</b>	<b>Pages 85-88</b>
⇒ Switchover Boards	51-53	⇒	Rapid Purge System	85
⇒ Point of Use & Integrated	54-57	⇒	Inflatable Purge Bag System	86
⇒ Regulators (Cylinder)	58	⇒	Double Seal Kits	87
⇒ Food Processing Equipment	59-66	⇒	Weld-Purge Monitors	88
			<b>Portable Gas Cutting Machines &amp; Accessories</b>	<b>Pages 89-90</b>
<b>Cutting, Welding &amp; Brazing Kits</b>	<b>Pages 67-70</b>	⇒	Trac-Cut Straight Line	89
⇒ Lightweight	67	⇒	Pipe Cutting	90
⇒ Type 5	68		<b>Disposable Gas &amp; Accessories</b>	<b>Page 91</b>
⇒ Contractors Cutting	69	⇒	Mini MIG Regulators	91
⇒ Model D	70	⇒	Co2 Cylinder	91
		⇒	Argon Cylinder	91
<b>Gas Hoses</b>	<b>Pages 71-74</b>	⇒	Argon/Co2 Cylinder	91
⇒ Fitted Sets	71-72	⇒	Mini MIG Adaptor	91
⇒ Twin & Unfitted Hoses	73	⇒	Mini MIG Hose Set	91
⇒ Heavy Duty	74		<b>CP7 Gas Inspection</b>	<b>Page 92</b>
		⇒	Course Details & Starter Gas Test Kit	92
<b>Accessories</b>	<b>Pages 75-80</b>			
⇒ Hose Clips	75			
⇒ Pliers & O Clips	75			
⇒ Brass Hose Fittings	76-77			
⇒ Retractable Hose Reels	77			

# Regulators



Single Stage Economy



## Key Features:

- ◇ Fully Compliant To EN ISO 2503
- ◇ 3rd Party Tested
- ◇ 300 Bar Rated
- ◇ Unrivalled Pressure Control
- ◇ Light/Medium Duty Service
- ◇ Unique Encapsulated Valve Design
- ◇ Fully UK Tested
- ◇ 2 Year Warranty

## Materials:

- ◇ Body - Brass
- ◇ Bonnet - High Strength Zinc Alloy
- ◇ Gauges - Steel Case High Contrast Dial
- ◇ Diaphragm - Neoprene, Fibre Reinforced
- ◇ Valve - PCTFE/PTFE
- ◇ Valve Filter - Sintered Bronze 10 µ
- ◇ PA Handwheel - ABS
- ◇ Inlet Connection - Brass To BS341 Standard
- ◇ Outlet Connection - Brass

# Regulators



## Single Stage Economy



GAS0013



GAS0001



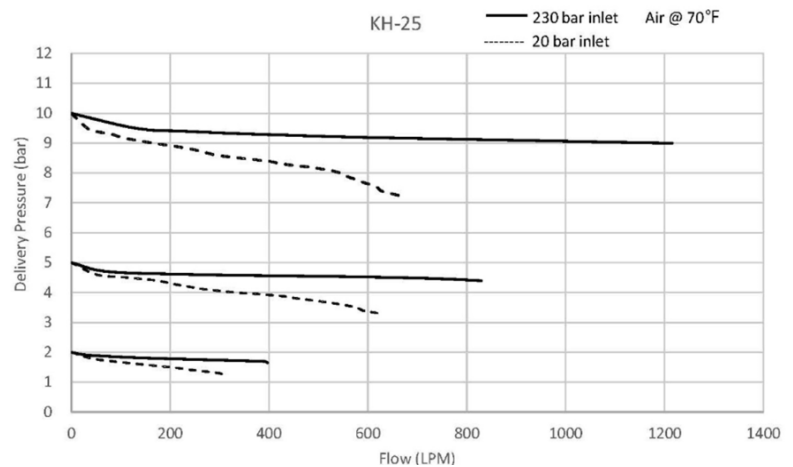
GAS0018

Part Number	Description	Max. Inlet Pressure	Outlet Pressure/Flow	Inlet Connection	Outlet Connection
GAS0001	Single Stage 2 Gauge Argon	300 Bar	0-35 L/Min	BS341 No.3 Base Entry	G3/8 BSP Right Hand
GAS0002	Single Stage 2 Gauge Oxygen	300 Bar	0-10 Bar	BS341 No.3 Base Entry	G3/8 BSP Right Hand
GAS0003	Single Stage 2 Gauge Acetylene	25 Bar	0-1.5 Bar	BS341 No.4 Base Entry	G3/8 BSP Left Hand
GAS0004	Single Stage 2 Gauge Co2	200 Bar	0-10 Bar	BS341 No.8 Base Entry	G3/8 BSP Right Hand
GAS0005	Single Stage 2 Gauge Inert Gas	300 Bar	0-10 Bar	BS341 No.3 Base Entry	G3/8 BSP Right Hand
GAS0007	Single Stage Plugged Propane	25 Bar	0-4 Bar	BS341 No.4 Base Entry	G3/8 BSP Left Hand
GAS0008	Single Stage Plugged Oxygen	300 Bar	0-10 Bar	BS341 No.3 Base Entry	G3/8 BSP Right Hand
GAS0009	Single Stage Plugged Acetylene	25 Bar	0-1.5 Bar	BS341 No.4 Base Entry	G3/8 BSP Left Hand
GAS0010	Single Stage 1 Gauge Argon	300 Bar	0-10 Bar	BS341 No.3 Base Entry	G3/8 BSP Right Hand
GAS0011	Single Stage 2 Gauge Argon	300 Bar	0-35 L/Min	BS341 No.3 Side Entry	G3/8 BSP Right Hand
GAS0012	Single Stage 2 Gauge Oxygen	300 Bar	0-10 Bar	BS341 No.3 Side Entry	G3/8 BSP Right Hand
GAS0013	Single Stage 2 Gauge Acetylene	25 Bar	0-1.5 Bar	BS341 No.4 Side Entry	G3/8 BSP Left Hand
GAS0014	Single Stage 2 Gauge Co2	200 Bar	0-10 Bar	BS341 No.8 Side Entry	G3/8 BSP Right Hand
GAS0015	Single Stage 2 Gauge Inert Gas	300 Bar	0-10 Bar	BS341 No.3 Side Entry	G3/8 BSP Right Hand
GAS0016	Single Stage 2 Gauge Oxygen	300 Bar	0-4 Bar	BS341 No.3 Base Entry	G3/8 BSP Right Hand
GAS0018	Single Stage 2 Gauge Propane	25 Bar	0-4 Bar	BS341 No.4 Side Entry	G3/8 BSP Left Hand
GAS0025	Single Stage 1 Gauge Argon	300 Bar	2 Bar Pre-Set	BS341 No.3 Base Entry	G3/8 BSP Right Hand

# Regulators



## Single Stage Premium



### Key Features:

- ◇ Fully Compliant To EN ISO 2503
- ◇ 3rd Party Tested
- ◇ 300 Bar Rated
- ◇ Unrivalled Pressure Control
- ◇ Medium/Heavy Duty Service
- ◇ Unique Encapsulated Valve Design
- ◇ Fully UK Tested
- ◇ All Gas Types And Configurations Available
- ◇ 3 Year Warranty

### Materials:

- ◇ Body - Brass
- ◇ Bonnet - High Strength Zinc Alloy
- ◇ Gauges - Steel Case High Contrast Dial
- ◇ Diaphragm - Neoprene, Fibre Reinforced
- ◇ Valve - PCTFE/PTFE
- ◇ Valve Filter - Sintered Bronze 10 µ
- ◇ PA Handwheel - ABS
- ◇ Inlet Connection - Brass To BS341 Standard
- ◇ Outlet Connection - Brass

# Regulators



## Single Stage Premium



GAS1030



GAS1038



GAS1034

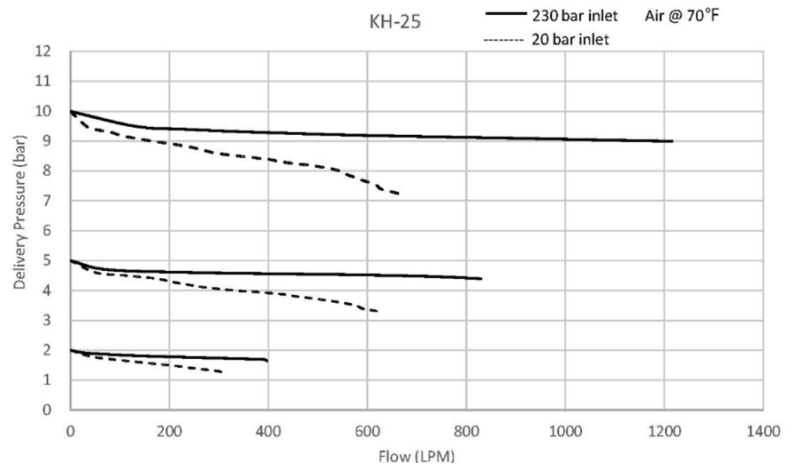
Part Number	Description	Max. Inlet Pressure	Outlet Pressure/Flow	Inlet Connection	Outlet Connection
GAS1021	Single Stage Plugged Oxygen	300 Bar	0-10 Bar	BS341 No.3 Base Entry	G3/8 BSP Right Hand
GAS1022	Single Stage Plugged Propane	25 Bar	0-4 Bar	BS341 No.4 Base Entry	G3/8 BSP Left Hand
GAS1023	Single Stage Plugged Acetylene	25 Bar	0-1.5 Bar	BS341 No.4 Base Entry	G3/8 BSP Left Hand
GAS1024	Single Stage 2 Gauge Oxygen	300 Bar	0-4 Bar	BS341 No.3 Base Entry	G3/8 BSP Right Hand
GAS1025	Single Stage 2 Gauge Oxygen	300 Bar	0-10 Bar	BS341 No.3 Base Entry	G3/8 BSP Right Hand
GAS1026	Single Stage 2 Gauge Acetylene	25 Bar	0-1.5 Bar	BS341 No.4 Base Entry	G3/8 BSP Left Hand
GAS1027	Single Stage 2 Gauge Argon	300 Bar	0-35 L/Min	BS341 No.3 Base Entry	G3/8 BSP Right Hand
GAS1028	Single Stage 2 Gauge Inert Gas	300 Bar	0-10 Bar	BS341 No.3 Base Entry	G3/8 BSP Right Hand
GAS1029	Single Stage 2 Gauge Co2	200 Bar	0-10 Bar	BS341 No.8 Base Entry	G3/8 BSP Right Hand
GAS1030	Single Stage 1 Gauge Argon	300 Bar	2 Bar Pre-Set	BS341 No.3 Base Entry	G3/8 BSP Right Hand
GAS1031	Single Stage 2 Gauge Oxygen	300 Bar	0-4 Bar	BS341 No.3 Side Entry	G3/8 BSP Right Hand
GAS1032	Single Stage 2 Gauge Oxygen	300 Bar	0-10 Bar	BS341 No.3 Side Entry	G3/8 BSP Right Hand
GAS1033	Single Stage 2 Gauge Acetylene	25 Bar	0-1.5 Bar	BS341 No.4 Side Entry	G3/8 BSP Left Hand
GAS1034	Single Stage 2 Gauge Propane	25 Bar	0-4 Bar	BS341 No.4 Side Entry	G3/8 BSP Left Hand
GAS1035	Single Stage 2 Gauge Co2	200 Bar	0-4 Bar	BS341 No.8 Side Entry	G3/8 BSP Right Hand
GAS1036	Single Stage 2 Gauge Inert Gas	300 Bar	0-10 Bar	BS341 No.3 Side Entry	G3/8 BSP Right Hand
GAS1037	Single Stage 2 Gauge Argon	300 Bar	0-35 L/Min	BS341 No.3 Side Entry	G3/8 BSP Right Hand
GAS1038	Single Stage 2 Gauge Argon Nevoc	300 Bar	0-35 L/Min	BS341 No.30 Side Entry	G3/8 BSP Right Hand
GAS1039	Single Stage 2 Gauge Inert Gas Nevoc	300 Bar	0-10 Bar	BS341 No.30 Side Entry	G3/8 BSP Right Hand
GAS0033	Single Stage 1 Gauge Argon	300 Bar	0-2 Bar Pre-Set	BS341 No.3 Side Entry	G3/8 BSP Right Hand
GAS0034	Single Stage 1 Gauge Argon Nevoc	300 Bar	0-2 Bar Pre-Set	BS341 No.30 Side Entry	G3/8 BSP Right Hand
GAS0150	Single Stage 2 Gauge Oxygen Nevoc	300 Bar	0-10 Bar	BS341 No.32 Side Entry	G3/8 BSP Right Hand

\*Other Gas Types And Configurations Available Upon Request.

# Regulators



## Two Stage



### Key Features:

- ◇ Fully Compliant To EN ISO 2503
- ◇ 3rd Party Tested
- ◇ 300 Bar Rated
- ◇ Durable High Pressure Piston Design
- ◇ Unrivalled Pressure Control
- ◇ Medium/Heavy Duty Service
- ◇ Unique Encapsulated Valve Design
- ◇ High Performance PRV, To Allow Rapid Pressure Release Safely
- ◇ Fully UK Tested
- ◇ All Gas Types And Configurations Available
- ◇ 3 Year Warranty

### Materials:

- ◇ Body - Brass
- ◇ Bonnet - High Strength Zinc Alloy
- ◇ Gauges - Steel Case High Contrast Dial
- ◇ LP Diaphragm - Neoprene, Fibre Reinforced
- ◇ HP & LP Valve - PCTFE/PTFE
- ◇ HP Piston - Brass
- ◇ Valve Filter - Sintered Bronze 10 µ
- ◇ PA Handwheel - ABS
- ◇ Inlet Connection - Brass To BS341 Standard
- ◇ Outlet Connection - Brass

# Regulators



## Two Stage



GAS0021



GAS045



GAS0026

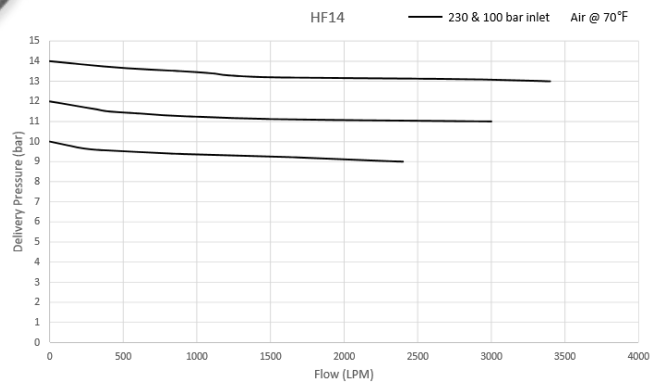
Part Number	Description	Max. Inlet Pressure	Outlet Pressure/Flow	Inlet Connection	Outlet Connection
GAS0020	Two Stage 2 Gauge Argon	300 Bar	0-35 L/Min	BS341 No.3 Base Entry	G3/8 BSP Right Hand
GAS0021	Two Stage 2 Gauge Inert Gas	300 Bar	0-10 Bar	BS341 No.3 Base Entry	G3/8 BSP Right Hand
GAS0022	Two Stage 2 Gauge Oxygen	300 Bar	0-10 Bar	BS341 No.3 Base Entry	G3/8 BSP Right Hand
GAS0023	Two Stage 2 Gauge Acetylene	25 Bar	0-1.5 Bar	BS341 No.4 Base Entry	G3/8 BSP Left Hand
GAS0026	Two Stage 2 Gauge Acetylene	25 Bar	0-1.5 Bar	BS341 No.4 Side Entry	G3/8 BSP Left Hand
GAS0027	Two Stage 2 Gauge Oxygen	300 Bar	0-10 Bar	BS341 No.3 Side Entry	G3/8 BSP Right Hand
GAS0037	Two Stage 2 Gauge Inert Gas	300 Bar	2 Bar Pre-Set	BS341 No.3 Base Entry	G3/8 BSP Right Hand
GAS0039	Two Stage 2 Gauge Inert Gas	300 Bar	0-10 Bar	BS341 No.3 Side Entry	G3/8 BSP Right Hand
GAS0044	Two Stage 2 Gauge Argon Nevoc	300 Bar	0-35 L/Min	BS341 No.30 Side Entry	G3/8 BSP Right Hand
GAS0047	Two Stage 2 Gauge Inert Gas Nevoc	300 Bar	0-10 Bar	BS341 No.30 Side Entry	G3/8 BSP Right Hand
GAS0048	Two Stage 2 Gauge Oxygen Nevoc	300 Bar	0-10 Bar	BS341 No.32 Side Entry	G3/8 BSP Right Hand
GAS043	Two Stage 2 Gauge Propane	25 Bar	0-4 Bar	BS341 No.4 Base Entry	G3/8 BSP Left Hand
GAS045	Two Stage 2 Gauge Hydrogen	300 Bar	0-10 Bar	BS341 No.4 Base Entry	G3/8 BSP Left Hand
GAS074	Two Stage 2 Gauge Propane	25 Bar	0-4 Bar	BS341 No.4 Side Entry	G3/8 BSP Left Hand

\*Other Gas Types And Configurations Available Upon Request.

# Regulators



## High Flow I4



### Key Features:

- ◇ High Flow Regulator Suitable For Industry Demands Such As Thermic Lancing And Other Heavy Duty Cutting Applications
- ◇ Cylinder Or Pipeline Use
- ◇ Machined Bar Stock Body And Bonnet Offers High Strength And Long Service Life
- ◇ Smooth Pressure Control
- ◇ Piston Design To Offer Unrivalled Durability And Service Life
- ◇ High Performance PRV Ensures Rapid Pressure Release Safely
- ◇ High Contrast Gauges
- ◇ 3 Year Warranty

### Materials:

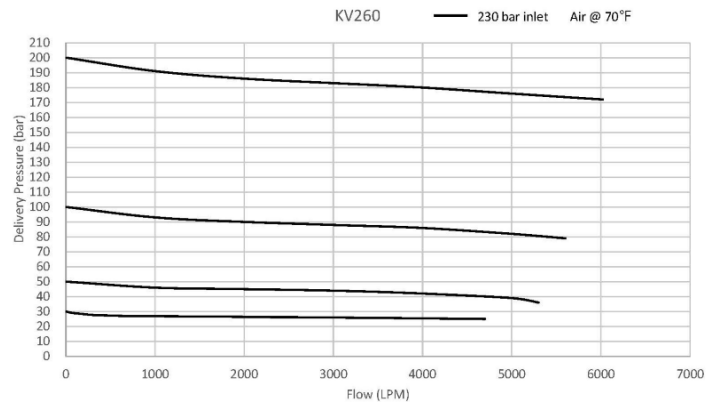
- ◇ Body - Machined Brass
- ◇ Bonnet - Machined Brass
- ◇ Gauges - Steel Case High Contrast Dial
- ◇ Diaphragm - Brass Piston
- ◇ Valve - PCTFE
- ◇ PA Adjustment - Stainless Steel C/W Brass
- ◇ T Bar - Captivated
- ◇ Inlet Connection - Brass
- ◇ Outlet Connection - Brass

Part Number	Description	Max. Inlet Pressure	Outlet Pressure/Flow	Inlet Connection	Outlet Connection
GAS1099	High Flow I4 Oxygen	300 Bar	0-14 Bar	1" BSP C/W 1" x BS341 No3 Adaptor	G3/8 BSP Right Hand
GAS1984	High Flow I4 Inert Gas	300 Bar	0-14 Bar	1" BSP C/W 1" x BS341 No3 Adaptor	G3/8 BSP Right Hand

# Regulators



## High Pressure



### Key Features:

- ◇ High Pressure Regulator Suitable For Refrigeration, Charging And Many Other Applications Where High Pressure Is Required
- ◇ Piston Design Ensures Longer Service Life Over Competitors Stainless Steel Diaphragm Design
- ◇ Up To 200 Bar Outlet Pressures For The Most Demanding Of Applications
- ◇ Smooth, Unrivalled Pressure Control
- ◇ High Performance PRV Ensures Rapid Pressure Release Safely
- ◇ High Contrast Gauges
- ◇ 3 Year Warranty

### Materials:

- ◇ Body - Brass
- ◇ Bonnet - Machined Brass
- ◇ Gauges - Steel Case High Contrast Dial
- ◇ Diaphragm - Brass Piston
- ◇ Valve - PCTFE
- ◇ Valve Filter - Sintered Bronze 10 µ
- ◇ PA Handwheel - ABS
- ◇ Inlet Connection - Brass To BS341 Standard
- ◇ Outlet Connection - Brass

Part Number	Description	Max. Inlet Pressure	Outlet Pressure/Flow	Inlet Connection	Outlet Connection
GAS1104	Single Stage 2 Gauge*	300 Bar	0-28 Bar	BS341 No.3 Side Entry**	G3/8 BSP Right Hand***
GAS1107	Single Stage 2 Gauge*	300 Bar	0-40 Bar	BS341 No.3 Side Entry**	G3/8 BSP Right Hand***
GAS1108	Single Stage 2 Gauge*	300 Bar	0-55 Bar	BS341 No.3 Side Entry**	G3/8 BSP Right Hand***
GAS1102	Single Stage 2 Gauge*	300 Bar	0-100 Bar	BS341 No3 Side Entry**	1/4 NPT Right Hand***
GAS1103	Single Stage 2 Gauge*	300 Bar	0-200 Bar	BS341 No3 Side Entry**	1/4 NPT Right Hand***

\*Please State Gas Type When Ordering

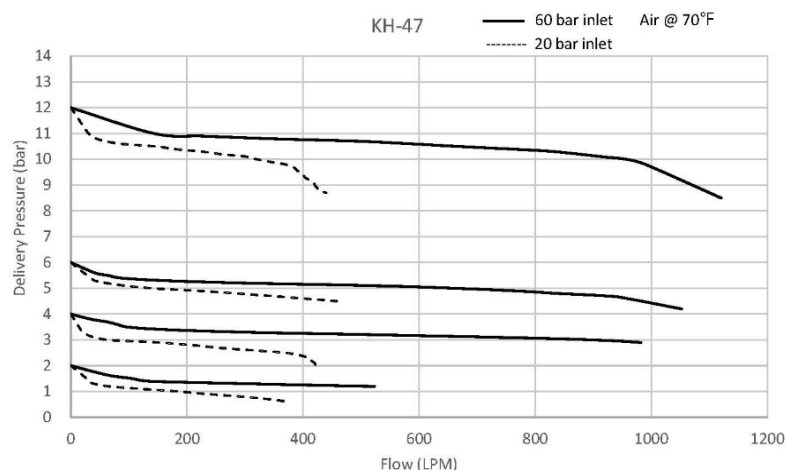
\*\*Other Inlet Connections Are Available On Request

\*\*\*Other Outlet Connections Are Available On Request

# Regulators



Point Of Use



## Key Features:

- ◇ Fully Compliant To EN ISO 7291
- ◇ 3rd Party Tested
- ◇ 60 Bar Rated For Pipeline Secondary Control
- ◇ Unrivalled Pressure Control
- ◇ Medium/Heavy Duty Service
- ◇ Unique Encapsulated Valve Design
- ◇ All Gas Types Available
- ◇ Fully UK Tested
- ◇ All Industry Configurations Available
- ◇ 3 Year Warranty

## Materials:

- ◇ Body - Brass
- ◇ Bonnet - High Strength Zinc Alloy
- ◇ Gauges - Steel Case High Contrast Dial
- ◇ Diaphragm - Neoprene, Fibre Reinforced
- ◇ Valve - PCTFE/PTFE
- ◇ Valve Filter - Sintered Bronze 10 µ
- ◇ PA Handwheel - ABS
- ◇ Inlet Connection - Brass
- ◇ Outlet Connection - Brass

# Regulators



Point Of Use



Part Number	Description	Max. Inlet Pressure	Outlet Pressure/Flow	Inlet Connection	Outlet Connection
GAS1056	Single Stage 1 Gauge Oxygen	60 Bar	0-12 Bar	3/8 BSP Right Hand Rear Entry	6 O Clock
GAS1058	Single Stage 1 Gauge Propane	25 Bar	0-4 Bar	3/8 BSP Left Hand Rear Entry	6 O Clock
GAS1059	Single Stage 1 Gauge Inert Gas	60 Bar	0-12 Bar	1/4 NPT Rear Entry	6 O Clock
GAS1060	Single Stage 1 Gauge Inert Gas	60 Bar	0-12 Bar	3/8 BSP Right Hand Rear Entry	6 O Clock
GAS1062	Single Stage 1 Gauge Acetylene	25 Bar	0-1.5 Bar	3/8 BSP Left Hand Rear Entry	6 O Clock
GAS1065	Single Stage 1 Gauge Oxygen	60 Bar	0-12 Bar	1/4 NPT Rear Entry	6 O Clock
GAS1066	Single Stage 1 Gauge Propane	25 Bar	0-4 Bar	1/4 NPT Rear Entry	6 O Clock
GAS1067	Single Stage 1 Gauge Acetylene	25 Bar	0-1.5 Bar	1/4 NPT Rear Entry	6 O Clock
GAS1068	Single Stage 1 Gauge Inert Gas	60 Bar	0-12 Bar	1/4 NPT Rear Entry	3 O Clock
GAS1069	Single Stage 1 Gauge Inert Gas	60 Bar	0-4 Bar	1/4 NPT Rear Entry	6 O Clock
GAS1071	Single Stage 1 Gauge Hydrogen	60 Bar	0-12 Bar	1/4 NPT Rear Entry	6 O Clock

\*Other Gas Types And Configurations Available Upon Request.

# Regulators



## Heater/Regulator



### Key Features:

- ◇ Fully Compliant To EN ISO 2503
- ◇ Available In 110V & 230V
- ◇ Thermostatically Controlled Heating Element Up To 60°C (±10°C)  
Allows Uninterrupted Gas Flow And Eliminates "Icing" Effect During Withdrawal
- ◇ Flowrate 0-25 L/Min
- ◇ Calibrated Flowmeter From 3.5 Bar Inlet Pressure
- ◇ Suitable For Argon & Co2
- ◇ Unrivalled Flow Control
- ◇ Light/Medium Duty Service
- ◇ Unique Encapsulated Valve Design
- ◇ Fully UK Gas And Electrically Tested
- ◇ 3 Year Warranty

### Materials:

- ◇ Body - Chrome Plated Brass
- ◇ Bonnet - Chrome Plated High Strength Zinc Alloy
- ◇ Gauges - Steel Case High Contrast Dial
- ◇ Diaphragm - Neoprene, Fibre Reinforced
- ◇ Valve - PCTFE
- ◇ Valve Filter - Sintered Bronze 10 µ
- ◇ Inlet Connection - Chrome Plated Brass To BS341 Standard
- ◇ Outlet Connection - Chrome Plated Brass

Part Number	Description	Max. Inlet Pressure	Outlet Pressure/Flow	Inlet Connection	Outlet Connection
GAS1105	Single Stage 1 Gauge 110V Inert Gas	300 Bar	0-25 L/Min	BS341 No.8	G3/8 BSP Right Hand 6 O Clock
GAS1106	Single Stage 1 Gauge 230V Inert Gas	300 Bar	0-25 L/Min	BS341 No.8	G3/8 BSP Left Hand 6 O Clock

\*Other Gas Types And Configurations Available Upon Request

# Gas Pre-Heater

GPH-200

A patented system that puts the heat where it has to be: in the gas! The system allows for an efficient heat transfer, complete with plug 230 V/50 Hz for high pressure applications, especially for high output or Low atmosphere temperatures.



## Technical Data:

- ◇ Body: Plastic
- ◇ Stem: Brass
- ◇ Max. Inlet Pressure: 300 Bar
- ◇ Dimensions: L 150 mm x H 90 mm
- ◇ Voltage: 230V 50Hz
- ◇ Seals: EPDM/PTFE
- ◇ Leakage Rate: 1x10<sup>-6</sup>mbar
- ◇ Weight: 2,0 Kg
- ◇ Temperature Range: -20 To +60 °C

## Key Features:

- ◇ Fully Approved, CE Marked
- ◇ Allows Effective Heating Of Inert And Non-Corrosive Gases Directly From Cylinder Mounting.
- ◇ Effectively Eliminates The Icing Effect Of Downstream Equipment
- ◇ Up To 300 Bar Max. Working Pressure
- ◇ Housing Protection Class IP65
- ◇ All Global Inlet And Outlet Connections Available
- ◇ Temperature Limiter With Manual Reset of 80° ± 5°C

Part Number	Description
GAS5611	Gas Pre-Heater GPH 200, 300 Bar Rated, 230V/50Hz, IP65

# Eco-Flo



With the cost of welding gases showing no signs of reducing, have you ever thought how much gas is wasted through the surge every time you press the trigger of your welding torch?

It's proven that a considerable amount of gas is lost through tacking, spot, and short run seam welding. Our unique Eco-Flo regulator, which is fully compliant to all relevant EN ISO standards, is proven to significantly eliminate this problem while keeping the gas flow consistent, optimising your welding process, reducing weld porosity and improving weld quality. This is achieved by reducing and regulating the cylinder pressure to a much lower pressure compared to a conventional single or two stage regulator while keeping the outlet flow constant and accurate upon cylinder depletion, over a period of time especially through non-continuous welding processes the cost saving on your gas consumption will astound you!!

**Save Up To 45% Of Gas Compared  
To A Conventional Regulator By  
Eliminating The Gas Surge At Your  
Torch**

Type Of Weld	Potential Gas Saving
Spot Weld	35-45%
Combined Spot And Seam Welding	25-35%
Short Run Seam Welding	15-20%

# Regulators



Eco-Flo



## Key Features:

- ◇ Fully Compliant To EN ISO 2503
- ◇ Fully UK Tested Prior To Dispatch
- ◇ Up to 300 Bar Rated Service
- ◇ High Contrast Easy To Read Contents Gauge
- ◇ High Strength Flow Tube
- ◇ All Global Inlet Connections Available
- ◇ Offering Up to 30 L/Min Outlet Range
- ◇ Elimination Of Gas Surge During Weld Process
- ◇ Two Stage Regulator Technology
- ◇ 360° Rotation Of Flowmeter Allows Multi-Positioning Option

## Materials:

- ◇ Body - Forged Brass
- ◇ Flow Tube - Polycarbonate
- ◇ Pressure Gauge - Steel Case, High Contrast Dial
- ◇ Inlet Connection - Brass To BS341 Standard
- ◇ Outlet Connection - Brass
- ◇ PA Handwheel - ABS

Part Number	Description	Max. Inlet Pressure	Outlet Flow	Inlet Connection	Outlet Connection
GAS5616	Eco-Flo Inert Gas	230 Bar	30 L/Min	BS341 No.3	G3/8 BSP Right Hand
GAS5617	Eco-Flo Inert Gas Nevoc	300 Bar	30 L/Min	BS341 No. 30	G3/8 BSP Right Hand

# Regulators

Optimator



Save 43% Gas  
With Optimator!

# Regulators



## Optimator



GAS0093



GAS0094



GAS5618

Part Number	Description	Max. Inlet Pressure	Outlet Flow	Inlet Connection	Outlet Connection
<b>Standard Optimator</b>					
GAS0093	Standard Optimator Side Entry	230 Bar	0-30 L/Min	BS341 No.3	G3/8 BSP Right Hand
GAS0091	Standard Optimator Side Entry Lockable	230 Bar	0-30 L/Min	BS341 No.3	G3/8 BSP Right Hand
GAS0096	Standard Optimator Side Entry Nevoc	300 Bar	0-30 L/Min	BS341 No.30	G3/8 BSP Right Hand
GAS0092	Standard Optimator Side Entry Lockable Nevoc	300 Bar	0-30 L/Min	BS341 No.30	G3/8 BSP Right Hand
GAS0097	Standard Optimator Base/Top Entry	230 Bar	0-30 L/Min	BS341 No.3	G3/8 BSP Right Hand
GAS0099	Standard Optimator Base/Top Entry Lockable	230 Bar	0-30 L/Min	BS341 No.3	G3/8 BSP Right Hand
<b>Outlet Point Optimator</b>					
GAS0094	Optimator Single Outlet Point	10 Bar	0-30 L/Min	G3/8 BSP Right Hand	G3/8 BSP Right Hand
<b>Optimator II</b>					
GAS5618	Optimator II Side Entry	230 Bar	0-30 L/Min	BS341 No.3	G3/8 BSP Right Hand
GAS0098	Optimator II Base/Top Entry	230 Bar	0-30 L/Min	BS341 No.3	G3/8 BSP Right Hand

# Regulators



## Regulator Flowmeter



### Key Features:

- ◇ Fully Compliant To EN ISO 2503
- ◇ Flowrate 0-30 L/Min
- ◇ Calibrated Flowmeter
- ◇ Suitable For Argon, Co2 And Other Inert Gases
- ◇ Precise Flow Control
- ◇ Light/Medium Duty Service
- ◇ Long Lasting Piston Design
- ◇ Fully UK Tested
- ◇ 2 Year Warranty

### Materials:

- ◇ Body - Forged Brass
- ◇ Gauge - Steel Case High Contrast Dial
- ◇ Flow Tube - Polycarbonate
- ◇ Diaphragm - Brass Piston
- ◇ Valve - PCTFE
- ◇ Inlet Connection - Brass To BS341
- ◇ Outlet Connection - Forged Brass
- ◇ Control Valve - Stainless Steel

Part Number	Description	Max. Inlet Pressure	Outlet Pressure/Flow	Inlet Connection	Outlet Connection
GAS0017	Regulator Flowmeter	230 Bar	0-30 L/Min	BS341 No.3	G3/8 BSP Right Hand

# Regulators



## Mini MIG



### Key Features:

- ◇ Fully Compliant To EN ISO 2503
- ◇ Flowrate 0-6 L/Min
- ◇ Suitable for Argon, Co2 And Other Inert Gases
- ◇ Precise Flow Control
- ◇ Light/Medium Duty Service
- ◇ Long Lasting Piston Design
- ◇ Fully UK Tested
- ◇ 2 Year Warranty
- ◇ Compact Design Ideal For Disposable Cylinder Use

### Materials:

- ◇ Body - Machined Brass
- ◇ Gauges - Steel Case High Contrast Dial
- ◇ Diaphragm - Neoprene, Fibre Reinforced
- ◇ Valve - PCTFE
- ◇ Inlet Connection - Brass
- ◇ Outlet Connection - Machined Brass
- ◇ PA Handwheel - ABS



### Key Features:

- ◇ Flowrate 0-6 L/min
- ◇ Suitable For Argon, Co2 And Other Inert Gases
- ◇ Precise Flow Control
- ◇ Light Duty Service
- ◇ Compact Design Ideal For Disposable Cylinder Use

### Materials:

- ◇ Body - Forged Brass
- ◇ Diaphragm - NBR, Fibre Reinforced
- ◇ Valve - PU
- ◇ Inlet Connection - Brass M10 x 1
- ◇ Outlet Connection - Machined Brass

Part Number	Description	Max. Inlet Pressure	Outlet Pressure/Flow	Inlet Connection	Outlet Connection
GAS0029	Single Stage Premium Mini MIG Inert Gas	230 Bar	0-6 L/Min	M10 x 1	4mm Push Fit
GAS0050	Mini MIG Inert Gas	20 Bar	0-6 L/Min	M10 x 1	4mm Push Fit
GAS0035	Mini MIG Inert Gas 1 Gauge	20 Bar	0-6 L/Min	M10 x 1	4mm Push Fit

# Flashback Arrestors



RF53N Non-Reset



WITT RF flashback arrestors for reliable protection against dangerous reverse flow and flashbacks according to DIN EN ISO 5175-1

Every arrestor 100% tested.

The best flashback arrestors in the world.

- ◇ A Large Surface Area Flame Arrestor **FA** Of Stainless Steel Construction Extinguishes Any Dangerous Flashback
- ◇ A Temperature Sensitive Cut-Off Valve **TV** Extinguishes Sustained Flashbacks Long Before The Internal Temperature Of The Arrestor Reaches A Dangerous Level
- ◇ A Spring Loaded Non-Return Valve **NV** Prevents Slow Or Sudden Reverse Gas Flow From Explosive Mixtures In The Gas Supply
- ◇ A Filter At The Gas Inlet Protects The Arrestor Against Dirt Contamination, Extending The Service Life

Part Number	Description	Inlet Connection
GAS1015	RF53N Oxygen Flashback Arrestor	G3/8 BSP Right Hand
GAS1016	RF53N Fuel Gas Flashback Arrestor	G3/8 BSP Left Hand

Gases	Working Pressure (Bar)
Acetylene (A)	1.5 Bar
Town Gas (C)	5.0 Bar
Natural Gas (M)	5.0 Bar
LPG (P)	5.0 Bar
Hydrogen (H)	3.0 Bar
Oxygen (O)	25.0 Bar
Compressed Air (D)	25.0 Bar

# Flashback Arrestors



Super 55 Resettable



From the product range "Super", one of the best flashback arrestors in the world for reliable protection against dangerous gas backflow and flashbacks according to DIN EN ISO 5175-1.

Every arrestor 100% tested.

- ◇ Extinguish Dangerous Flashbacks With Sintered Stainless Steel Elements **FA**
- ◇ Immediately Cuts Off The Gas Supply. And Therefore Prevents Dangerous Further Work After Any Flashback Or Gas Backflow Via Pressure Sensitive Cut-Off Valve **PV**
- ◇ Extinguish Sustained Backfire - Via Temperature Sensitive Cut-Off Valve **TV**
- ◇ Avoid The Formation Of Explosive Mixtures In The Gas Supply-Via Non-Return Valve **NV**
- ◇ Indicate Flashbacks And Gas Backflow Optically - Via Red Alarm Mark
- ◇ Allow Simple Resumption Of Work After The Cause Of Hazard Has Been Removed - Via Resetting The Sleeve
- ◇ Offer Long Service Life Due To Protection Against Dirt - Via Filter At Gas Inlet

Part Number	Description	Inlet Connection
GAS1017	Super 55 Oxygen Flashback Arrestor	G3/8 BSP Right Hand
GAS1018	Super 55 Fuel Gas Flashback Arrestor	G3/8 BSP Left Hand

Gases	Working Pressure (Bar)
Acetylene (A)	1.5 Bar
Town Gas (C)	5.0 Bar
Natural Gas (M)	5.0 Bar
LPG (P)	5.0 Bar
Hydrogen (H)	3.0 Bar
Oxygen (O)	15.0 Bar
Compressed Air (D)	15.0 Bar

# Flashback Arrestors



85-20 High Flow



**WITT flashback arrestors for reliable protection against dangerous reverse flow and flashbacks according to DIN EN ISO 5175-1**

**Every arrestor 100% tested.**

**The best flashback arrestors in the world.**

- ◇ A Large Surface Area Flame Arrestor **FA** Of Stainless Steel Construction Extinguishes Any Dangerous Flashback
- ◇ A Temperature Sensitive Cut-Off Valve **TV** Extinguishes Sustained Flashbacks Long Before The Internal Temperature Of The Arrestors Reach A Dangerous Level
- ◇ A Spring Loaded Non-Return Valve **NV** Prevents Slow Or Sudden Reverse Gas Flow From Explosive Mixtures In The Gas Supply
- ◇ For Pipeline Outlets And Single Cylinders With High Users For Example Supply Units For Gas Cutting Machines

Part Number	Description	Inlet Connection
GAS5619	85-20 Flashback Arrestor	G1/2" Right Hand Female
GAS5620	85-20 Flashback Arrestor	1/2" NPT Female
GAS5621	85-20 Flashback Arrestor	G1" Right Hand Female
GAS5622	85-20 Fuel Gas Flashback Arrestor	G3/4 "Left Hand
GAS5623	85-20 Oxygen Flashback Arrestor	G3/4 "Right Hand

Gases	Working Pressure (Bar)
Acetylene (A)	1.5 Bar
Natural Gas (M)	4.0 Bar
Ethylene (E)	4.0 Bar
Propane (P)	4.0 Bar
Hydrogen (H)	4.0 Bar
Oxygen (O)	16.0 Bar
Compressed Air (D)	16.0 Bar

# Flashback Arrestors



85-30 Maximum Flow



**WITT flashback arrestors for reliable protection against dangerous reverse flow and flashbacks according to DIN EN ISO 5175-1**

**Every arrestor 100% tested.**

**The best flashback arrestors in the world.**

- ◇ A Large Surface Area Flame Arrestor **FA** Of Stainless Steel Construction Extinguishes Any Dangerous Flashback
- ◇ A Temperature Sensitive Cut-Off Valve **TV** Extinguishes Sustained Flashbacks Long Before The Internal Temperature Of The Arrestors Reach A Dangerous Level
- ◇ A Spring Loaded Non-Return Valve **NV** Prevents Slow Or Sudden Reverse Gas Flow From Explosive Mixtures In The Gas Supply
- ◇ A Filter At The Gas Inlet Protects The Arrestor Against Dirt Contamination, Extending The Service Life
- ◇ For Pipeline Outlets And Single Cylinders With High Users For Example Supply Units For Gas Cutting Machines

Part Number	Description	Inlet Connection
GAS5624	85-30 Flashback Arrestor	3/4" NPT Female
GAS5625	85-30 Flashback Arrestor	1" NPT Female
GAS5626	85-30 Fuel Gas Flashback Arrestor	G3/4" Left Hand
GAS5627	85-30 Fuel Gas Flashback Arrestor	G1" Left Hand
GAS5628	85-30 Oxygen Flashback Arrestor	G3/4" Right Hand
GAS5629	85-30 Oxygen Flashback Arrestor	G1" Right Hand

Gases	Working Pressure (Bar)
Acetylene (A)	1.5 Bar
Natural Gas (M)	5.0 Bar
Ethylene (E)	4.0 Bar
Propane (P)	3.5 Bar
Hydrogen (H)	4.0 Bar
Oxygen (O)	25.0 Bar
Compressed Air (D)	25.0 Bar

# Flashback Arrestors



## Torch Mounted E460



WITT flashback arrestors E460 for reliable protection against dangerous gas backflow and flashbacks according To DIN EN ISO 5175-1.

Every arrestor 100% tested.

The best flashback arrestors in the world.

- ◇ A Large Surface Area Flame Arrestor FA Of Stainless Steel Construction Extinguishes Any Dangerous Flashback
- ◇ A Spring Loaded Non-Return Valve NV Prevents Slow Or Sudden Reverse Gas Flow Forming Explosive Mixtures In The Gas Supply
- ◇ A Filter At The Gas Inlet Protects The Arrestor Against Dirt Contamination, Extending The Service Life
- ◇ The Flashback Arrestors Series E460 May Be Installed At The Inlet Of The Blowpipe

Part Number	Description	Inlet Connection
GAS5630	E460-1 Torch Mounted Oxygen Flashback Arrestor	1/4 Tail
GAS5631	E460-1 Torch Mounted Fuel Gas Flashback Arrestor	1/4 Tail
GAS5632	E460-1 Torch Mounted Oxygen Flashback Arrestor	3/8 Tail
GAS5633	E460-1 Torch Mounted Fuel Gas Flashback Arrestor	3/8 Tail
GAS5634	E460-3 Torch Mounted Oxygen Flashback Arrestor	1/4 BSP Right Hand
GAS5635	E460-3 Torch Mounted Fuel Gas Flashback Arrestor	1/4 BSP Left Hand
GAS5636	E460-3 Torch Mounted Oxygen Flashback Arrestor	3/8 BSP Right Hand
GAS5637	E460-3 Torch Mounted Fuel Gas Flashback Arrestor	3/8 BSP Left Hand

Gases	Working Pressure (Bar)
Oxygen (O)	20.0 Bar
Compressed Air (D)	20.0 Bar
Acetylene (A)	1.5 Bar
LPG (P)	5.0 Bar
Natural Gas (M)	5.0 Bar
Hydrogen (H)	4.0 Bar

# Flashback Arrestors



RF53N-ES



WITT flashback arrestors for reliable protection against dangerous reverse gas flow and flashbacks according to DIN EN ISO 5175-1.

Every arrestor 100% tested.

The best flashback arrestors in the world.

- ◇ A Large Surface Area Flame Arrestor FA Of Stainless Steel Construction Extinguishes Any Dangerous Flashback
- ◇ A Temperature Sensitive Cut-Off Valve TV Extinguishes Sustained Flashbacks Long Before The Internal Temperature Of The Arrestors Reaches A Dangerous Level
- ◇ A Spring Loaded Non-Return Valve NV Prevents Slow Or Sudden Reverse Gas Flow Forming Explosive Mixtures In The Gas Supply
- ◇ A Filter At The Gas Inlet Protects The Arrestor Against Dirt Contamination, Extending The Service Life
- ◇ Ideal For Use With Corrosive Gases In The Chemical Industry, Process Technology Or In The Laboratory Area

Part Number	Description	Connection
GAS5638	RF53N-ES Oxygen Flashback Arrestor	1/4 NPT Female
GAS5639	RF53N-ES Fuel Gas Flashback Arrestor	1/4 NPT Female
GAS5640	RF53N-ES Oxygen Flashback Arrestor	3/8 NPT Female
GAS5641	RF53N-ES Fuel Gas Flashback Arrestor	3/8 NPT Female

Gases	Working Pressure (Bar)
Oxygen (O)	25.0 Bar
Compressed Air (D)	25.0 Bar
Acetylene (A)	1.5 Bar
LPG (P)	5.0 Bar
Natural Gas (M)	5.0 Bar
Hydrogen (H)	3.0 Bar

# Test Equipment



## Test Rig 722



Flashbacks, dirt and external damage may effect the flow capacity and proper functioning of flashbacks and non-return valves.

Therefore annual testing of all safety elements is imperative to avoid hazardous situations.

### Benefits:

- ◇ Helps To Save Money - No More Costly Services By Testing Companies Required
- ◇ Ready For Immediate And Flexible Use e.g. During Breaks
- ◇ Only One Test Rig For All Flashback Arrestors And Non-Return Valves (Up To DN 50)
- ◇ Only One Test Rig For All 5 Tests
- ◇ Easy And Time Saving Operation
- ◇ Clear Readings
- ◇ Robust Design
- ◇ Maintenance Free

### Tests:

- ◇ Leak Tightness To Atmosphere
- ◇ Test Of Non-Return Valve Against Low And High Back Pressure
- ◇ Operating Pressure Of Pressure Sensitive Gas Cut Off Valve
- ◇ Measurement Of Flow Capacity Of Flashback Arrestors

Part Number	Description
GAS5642	Test Rig 722

# Quick Release Couplings



SK100



## WITT - Couplings guarantee safety

- ◇ No Uncontrolled Escape Of Gas When Disconnected Due To Automatic Cut Off Valve
- ◇ No Build Up Of Explosive Gas Mixtures In The Pipeline Because Of Non-Return Valve
- ◇ No Confusion Between Connection - Different Connections For Oxygen, Fuel And Inert Gases

## WITT - Couplers save time and money

- ◇ Lightening Fast Connection And Disconnection Of Equipment
- ◇ Simplest Selection Of The Right Body And Probe Because Of New Colour Coded Probe
- ◇ Flexible Extensions Of Hoses Without Additional Equipment
- ◇ Probe Made From Stainless Steel With Hardness of 25 Rockwell
- ◇ Dirt Filter Protects The Hose Coupling And Equipment

Part Number	Description	Inlet Connection
GAS5643	SK100-1 Torch End Oxygen Quick Release Coupling Body	1/4 Tail
GAS5644	SK100-1 Torch End Fuel Gas Quick Release Coupling Body	1/4 Tail
GAS5645	SK100-1 Torch End Oxygen Quick Release Coupling Body	1/4 BSP Right Hand
GAS1123	SK100-1 Torch End Fuel Gas Quick Release Coupling Body	1/4 BSP Left Hand
GAS1113	SK100-1 Torch End Oxygen Quick Release Coupling Body	3/8 Tail
GAS1118	SK100-1 Torch End Fuel Gas Quick Release Coupling Body	3/8 Tail
GAS1116	SK100-3 Regulator End Oxygen Quick Release Coupling Body	3/8 BSP Right Hand
GAS1121	SK100-3 Regulator End Fuel Gas Quick Release Coupling Body	3/8 BSP Right Hand
GAS1137	Oxygen Quick Release Probe	1/4 Tail
GAS1098	Fuel Gas Quick Release Probe	1/4 Tail
GAS1117	Oxygen Quick Release Probe	3/8 Tail
GAS1122	Fuel Gas Quick Release Probe	3/8 Tail
GAS1115	Oxygen Quick Release Probe	3/8 BSP Right Hand
GAS1124	Fuel Gas Quick Release Probe	3/8 BSP Left Hand

# Non-Return Valves



Ultra 10



**WITT non-return valves for reliable protection against dangerous reverse gas flow.**

**Flow - optimised valve system causes very low pressure drop at minimal noise emission.**

**Every non-return valve 100% tested.**

## Benefits:

- ◇ A Spring Loaded Non-Return Valve Prevents Back Feeding Of Gases Which Could Lead To Unwanted Gas Mixtures
- ◇ Low Pressure Drop - Using Complex Valve Assembly With Low Opening Pressures (ca. 4 mbar)
- ◇ Stainless Steel Filter (100 µm) In The Gas Inlet Protects The Non-Return Valve Against Dirt Contamination, Extending The Service Life
- ◇ Flow-Optimised Valve System For:
  - Ultra Low Pressure Drop
  - Minimal Noise Emission
- ◇ No Leaks - Using Of A Spring Loaded Valve Assembly With Elastomer Sealing
- ◇ In Accordance To DIN EN ISO 5175-2
- ◇ Available In Brass Or Stainless Steel
- ◇ Diverse Applications - Useful For Many Technical Gases

Part Number	Description	Inlet Connection
GAS5646	Ultra 10, Brass, Town Gas (C), Natural Gas (M), LPG (P), Hydrogen (H), Oxygen (D), Compressed Air (D)	GI/2"
GAS5647	Ultra 10, Stainless Steel, Town Gas (C), Natural Gas (M), LPG (P), Hydrogen (H), Oxygen (D), Compressed Air (D)	GI/2"

# Non-Return Valves



Ultra 20



**WITT non-return valves for reliable protection against dangerous reverse gas flow.**

**Flow - optimised valve system causes very low pressure drop at minimal noise emission.**

**Every non-return valve 100% tested.**

## Benefits:

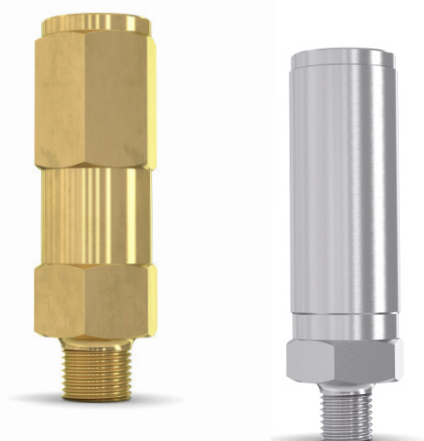
- ◇ A Spring Loaded Non-Return Valve Prevents Back Feeding Of Gases Which Could Lead To Unwanted Gas Mixtures
- ◇ Low Pressure Drop - Using Complex Valve Assembly With Low Opening Pressures (ca. 4 mbar)
- ◇ Stainless Steel Filter (100 µm) In The Gas Inlet Protects The Non-Return Valve against Dirt Contamination, Extending The Service Life
- ◇ Flow-Optimised Valve System For:
  - Ultra Low Pressure Drop
  - Minimal Noise Emission
- ◇ No Leaks - Using Of A Spring Loaded Valve Assembly With Elastomer Sealing
- ◇ In Accordance To DIN EN ISO 5175-2
- ◇ Available In Brass Or Stainless Steel
- ◇ Diverse Applications - Useful For Many Technical Gases

Part Number	Description	Inlet Connection
On Request	Ultra 20, Brass, Town Gas (C), Natural Gas (M), LPG (P), Hydrogen (H), Oxygen (D), Compressed Air (D)	G3/4" or G1"
On Request	Ultra 20, Stainless Steel, Town Gas (C), Natural Gas (M), LPG (P), Hydrogen (H), Oxygen (D), Compressed Air (D)	G3/4" or G1"

# Safety Relief Valves



SV 805



Spring loaded, direct acting safety relief valve for venting excess pressure from receivers, pipelines and other equipment.

## Benefits:

- ◇ According To PED 2014/68/EU, Category IV, Module B And D
- ◇ Individual Opening Pressure
- ◇ TÜV-Certification Of Pressure Setting
- ◇ Available In Brass Or Stainless Steel (ES)
- ◇ Sealing Material To Suit Gas Or Customer Request
- ◇ Compact Size For Easy, Problem Free Installation
- ◇ Range Of Inlet Connections
- ◇ With/Without Condensation Outlet
- ◇ Protective Dust Cap
- ◇ SV805A (Manual Ventilation), For Checking Of Safety Function
- ◇ Adapter For Connection To Ventilation Pipe

Part Number	Description	Burst Pressure	Inlet Connection	Outlet Connection
GAS5648	SV805 Brass	400 Bar	1/4 NPT	M24 x 1
GAS5649	SV805 Brass	400 Bar	1/4	M24 x 1
GAS5650	SV805 Brass	400 Bar	3/8 NPT	M24 x 1
GAS5651	SV805 Brass	400 Bar	3/8	M24 x 1
GAS5652	SV805 Brass	400 Bar	1/2 NPT	M24 x 1
GAS5653	SV805 Brass	400 Bar	1/2	M24 x 1
GAS5654	SV805 Brass	400 Bar	3/4 NPT	M24 x 1
GAS5655	SV805 Brass	400 Bar	3/4	M24 x 1
GAS5656	SV805ES Stainless Steel	600 Bar	1/4 NPT	M24 x 1
GAS5657	SV805ES Stainless Steel	600 Bar	1/4	M24 x 1
GAS5658	SV805ES Stainless Steel	600 Bar	3/8 NPT	M24 x 1
GAS5659	SV805ES Stainless Steel	600 Bar	3/8	M24 X 1
GAS5660	SV805ES Stainless Steel	600 Bar	1/2 NPT	M24 x 1
GAS5661	SV805ES Stainless Steel	600 Bar	1/2	M24 x 1
GAS5662	SV805ES Stainless Steel	600 Bar	3/4 NPT	M24 x 1
GAS5663	SV805ES Stainless Steel	600 Bar	3/4	M24 x 1

# Gas Filters



## Gas Filter 77



### Benefits:

- ◇ Ultra Fine Filtration Of Mechanical Impurities Through Bronze Or Stainless Steel Filter Inserts
- ◇ Broad Range Of Uses - Compatible With Many Technical Gases
- ◇ Change Of Filter Possible While Installed Due To User-Friendly Design
- ◇ High Flowrate Thanks To Flow Maximising Design
- ◇ Condensate Can Be Collected And Removed Using Condensate Drain
- ◇ Easy To Install Thanks To Large Choice Of Connections
- ◇ Reliable Filtering Performance Increases Service Life Of Downstream Fittings And Equipment
- ◇ Meets All The Requirements Of EIGA Guideline IGC Doc I3/I2/E "Oxygen Pipeline And Piping Systems"
- ◇ Pre-Cleaned To EIGA Guideline IGC Doc I3/I2/E, And Ready For O2
- ◇ Withstands Maximum Line Pressure (40 bar) Even If It Becomes Clogged

Part Number	Description	Working Pressure	Inlet/Outlet Connection	Filtering Fineness
GAS5664	Gas Filter 77	Oxygen 40 Bar	G3/4 Both Sides	5 µm
		Fuel Gas 50 Bar		
GAS5665	Gas Filter 77	Oxygen 40 Bar	G3/4 Both Sides	50 µm
		Fuel Gas 50 Bar		

# Gas Mixers



KM20-100\_2



**Gas mixing systems for 2 or 3 defined gases, designed for a variety of industrial applications, particularly for all areas with sharply Fluctuating Mixed gas extraction quantities.**

- ◇ Capacity Range From 0 To Approx. 544 NI/Min. For The Exact Pressure And Flow Capacity Ratios.
- ◇ A Proportional Mixing Valve (-2ME) Or Three Single Mixing Valves (-3ME), Each With A Control Knob And % -Scale, Provide Infinitely Variable Mixture Settings
- ◇ Gas Mixture Withdrawal Possible From Zero To The Maximum Flow Capacity

## High Process Reliability

- ◇ Independent Of Pressure Fluctuations In The Gas Supply
- ◇ Intermittent Gas Mixture Withdrawal Possible
- ◇ Lockable Transparent Door For Protection Of Settings
- ◇ Splash-Proof And Robust Stainless Steel Housing

Part Number	Description
GAS5666	Gas Mixer KM20-100_2

# Gas Savers



## Economisers

GAS1008



### Key Features:

- ◇ Pre-Set 8 L/Min Outlet Flow
- ◇ Simple Installation Onto The Outlet Of The Regulator
- ◇ Helps to Prevent The Initial Gas Surge During The Welding Process
- ◇ Saves Money On Gas Consumption
- ◇ Ideal For When The Application Requires The "Tacking" Process

### Key Features:

- ◇ Easy Install Onto Workbench
- ◇ Fine Control Valve For Pilot Flame
- ◇ Quick Action Gas Shut Off Ensures Considerable Gas Saving
- ◇ Reinforced Diaphragm Sealing System Increases Service Life
- ◇ Universal Arm Suitable For All Manufacturers Handles And Shanks



GAS1009 & GAS5046



GAS1063 & GAS1064

### Key Features:

- ◇ Easy Install Onto Workbench
- ◇ Fine Control Valve for Unrivalled Pilot Flame
- ◇ Quick Action Gas Shut Off Ensures Considerable Gas Saving
- ◇ O Ring Sealing System Ensures Long Service Life
- ◇ Universal Arm Suitable For All Manufacturers Handles And Shanks

Part Number	Description	Inlet Connection
GAS1008	Argon Economiser	G3/8 BSP
GAS1009	Oxygen/Acetylene Economy Gas Economiser	G3/8 BSP
GAS5046	Oxygen/Propane Economy Gas Economiser	G3/8 BSP
GAS1063	Oxygen/Acetylene Premium Gas Economiser	G3/8 BSP
GAS1064	Oxygen/Propane Premium Gas Economiser	G3/8 BSP

# Cutting Torches & Accessories



Economy



## Key Features:

- ◇ Fully Compliant To EN ISO 5172
- ◇ Fully UK Tested
- ◇ Ergonomically Designed For Optimum User Comfort
- ◇ Smooth Pre-Heat Control Allows Ease Of Use Even With Gloves
- ◇ Outstanding Control And Introduction Of Cutting Oxygen
- ◇ Reinforced Cutter Head Ensures No Heat Distortion
- ◇ Medium/Heavy Duty Service
- ◇ Up To 300mm Cutting Capacity
- ◇ Standard G3/8 BSP Inlet Connections
- ◇ Acetylene Or Propane Use
- ◇ 12 Month Warranty

## Materials:

- ◇ Cutter Body - Forged Brass
- ◇ Handle - Brass Coloured Aluminium
- ◇ Cutter Head - Forged Brass
- ◇ Tube - 316L Seamless Stainless Steel
- ◇ Pre-Heat Valves - Stainless Steel Spindle
- ◇ Cutting Oxygen Lever - 316L Stainless Steel
- ◇ Inlet Connection - Brass

Part Number	Description	Inlet Connection
GAS2005	Eco 18/90° NM Cutting Torch	G3/8 BSP
GAS2003	NM Headnut	N/A
GAS2001	Small Circle Cutting Attachment	N/A
GAS2002	Large Circle Cutting Attachment	N/A

# Cutting Torches & Accessories



Premium

## Key Features:

- ◇ Fully Compliant To EN ISO 5172
- ◇ Fully UK Tested
- ◇ Ergonomically Designed for Optimum User Comfort
- ◇ Smooth Pre-Heat Control Allows Ease Of Use Even With Gloves
- ◇ Outstanding Control and Introduction Of Cutting Oxygen
- ◇ Reinforced Cutter Head Ensures No Heat Distortion
- ◇ Brass Handle For Perfect Weighted Balance
- ◇ Medium/Heavy Duty Service
- ◇ Up To 300mm Cutting Capacity
- ◇ Standard G3/8 BSP Inlet Connections
- ◇ Acetylene or Propane Use
- ◇ 12 Month Warranty

## Materials:

- ◇ Cutter Body - Forged Brass
- ◇ Handle - Brass
- ◇ Cutter Head - Forged Brass
- ◇ Tube - 316L Seamless Stainless Steel
- ◇ Pre-Heat Valves - Stainless Steel Spindle
- ◇ Cutting Oxygen Lever - 316L Stainless Steel
- ◇ Inlet Connection - Brass



Part Number	Description	Inlet Connection
GAS2005P	Premium 18/90° NM Cutting Torch	G3/8 BSP
GAS3000	Premium 18/180° NM Cutting Torch	G3/8 BSP
GAS2006	Premium 27/75° NM Cutting Torch	G3/8 BSP
GAS2007	Premium 27/180° NM Cutting Torch	G3/8 BSP
GAS2008	Premium 36/75° NM Cutting Torch	G3/8 BSP
GAS1989	Premium 36/90° NM Cutting Torch	G3/8 BSP
GAS2009	Premium 36/180° NM Cutting Torch	G3/8 BSP
GAS2010	Premium 48/75° NM Cutting Torch	G3/8 BSP
GAS2011	Premium 48/180° NM Cutting Torch	G3/8 BSP
GAS2019	Premium 60/75° NM Cutting Torch	G3/8 BSP
GAS2000	Premium 72/75° NM Cutting Torch	G3/8 BSP
GAS2004	Premium 72/180° NM Cutting Torch	G3/8 BSP
GAS1987	Premium 96/75° NM Cutting Torch	G3/8 BSP
GAS2003	NM Headnut	N/A

# Cutting Torches & Accessories



## Injector Type



GAS1140

### Key Features:

- ◇ Fully Compliant To EN ISO 5172
- ◇ Fully UK Tested
- ◇ Ergonomically Designed For Optimum User Comfort
- ◇ Smooth Pre-Heat Control Allows Ease Of Use Even With Gloves
- ◇ Outstanding Control And Introduction Of Cutting Oxygen
- ◇ Injector Aids Higher Temperature Flame At Lower Pressures
- ◇ Medium/Heavy Duty Service
- ◇ Triangular Tube Formation For Exceptional Strength
- ◇ Solid Forged Brass Head
- ◇ Standard G3/8 BSP Inlet Connections
- ◇ 12 Month Warranty

### Materials:

- ◇ Cutter Body - Forged Brass
- ◇ Handle - Brass
- ◇ Cutter Head - Forged Brass
- ◇ Tube - 316L Seamless Stainless Steel
- ◇ Pre-Heat Valves - Stainless Steel Spindle With Brass Tap
- ◇ Cutting Oxygen Lever - 316L Stainless Steel\* Or Brass
- ◇ Inlet Connection - Brass

GAS1110



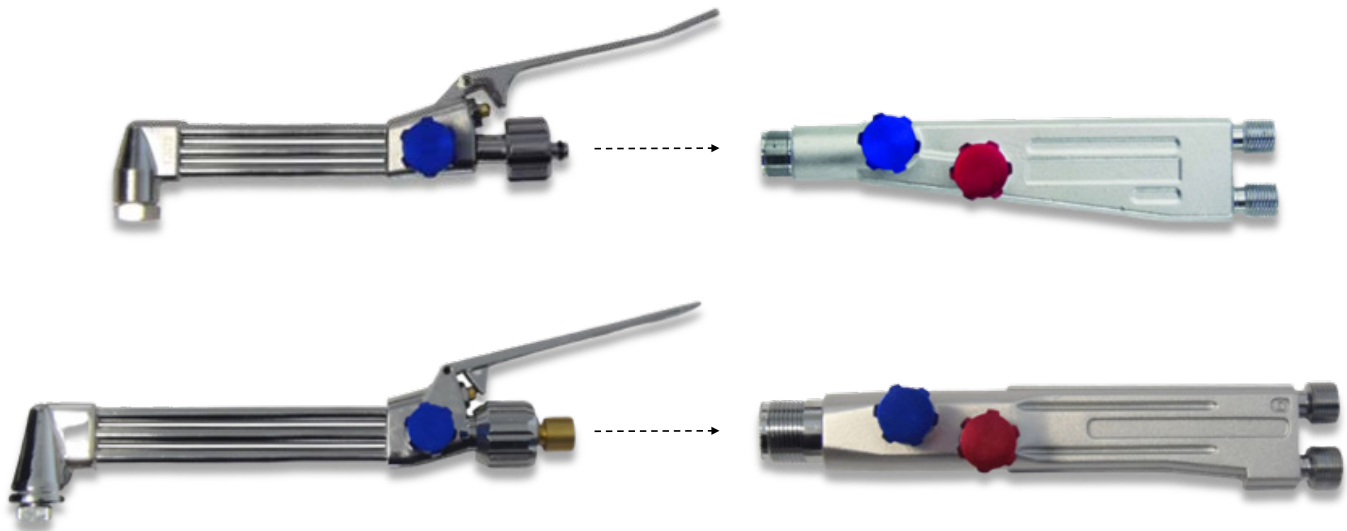
Part Number	Description	Inlet Connection
GAS1110	WG-142 Type 500mm/20" Injector Cutting Torch 90°	G3/8 BSP
GAS2040	Type 62-5 500mm/20" Injector Cutting Torch 90°	G3/8 BSP
GAS2041	Type 62-5 835mm/32" Injector Cutting Torch 90°	G3/8 BSP
GAS2042	Type 62-5 835mm/32" Injector Cutting Torch 70°	G3/8 BSP
GAS1140	Type 62-5 1219mm/48" Injector Cutting Torch 90°	G3/8 BSP
GAS1141	Type 62-5 1524mm/60" Injector Cutting Torch 90°	G3/8 BSP
GAS1142	Type 62-5 1829mm/72" Injector Cutting Torch 90°	G3/8 BSP
GAS2043	Type 62-5 Headnut	N/A
GAS1077	Type WG-142 Headnut	N/A

\*Only WG-142 Model With Stainless Steel Handle

# Cutting Torches & Accessories



Lightweight & Type 5



## Key Features:

- ◇ Fully Compliant To EN ISO 5172
- ◇ Fully UK Tested
- ◇ Ergonomically Designed For Optimum User Comfort
- ◇ Smooth Pre-Heat Control Allows Ease Of Use Even With Gloves
- ◇ Outstanding Control And Introduction Of Cutting Oxygen
- ◇ Medium/Heavy Duty Service
- ◇ Solid Forged Brass Head
- ◇ Standard G1/4 Or G3/8 BSP Inlet Connections
- ◇ 12 Month Warranty

## Materials:

- ◇ Handle - High Strength Alloy
- ◇ Cutting Attachment Body - Chrome Plated Brass
- ◇ Cutter Head - Forged Brass
- ◇ Tube - 316L Seamless Stainless Steel
- ◇ Pre-Heat Valves - Stainless Steel Spindle With Alloy Tap
- ◇ Cutting Oxygen Lever - 316L Stainless Steel
- ◇ Inlet Connection - Stainless Steel

Part Number	Description	Inlet Connection
GAS2020	Lightweight Shank	G1/4 BSP
GAS2021	Lightweight Cutting Attachment	-
GAS2049	Type 5 Shank	G3/8 BSP
GAS2050	Type 5 Cutting Attachment	-

# Cutting & Gouging Nozzles



Acetylene



Part Number	Description
GAS2070	ANMS 1/32 Cutting Nozzle (3-6mm)
GAS2071	ANMS 3/64 Cutting Nozzle (5-12mm)
GAS2072	ANMS 1/16 Cutting Nozzle (10-75mm)
GAS2073	ANMS 5/64 Cutting Nozzle (70-100mm)
GAS2075	ANMS 3/32 Cutting Nozzle (90-150mm)
GAS2074	ANMS 7/64 Cutting Nozzle (140-200mm)
GAS2076	ANMS 1/8 Cutting Nozzle (190-300mm)



Part Number	Description
GAS2078	ANML 1/32 Cutting Nozzle (3-6mm)
GAS2079	ANML 3/64 Cutting Nozzle (5-12mm)
GAS2080	ANML 1/16 Cutting Nozzle (10-75mm)
GAS2081	ANML 5/64 Cutting Nozzle (70-100mm)
GAS2082	ANML 3/32 Cutting Nozzle (140-200mm)
GAS2083	ANML 7/64 Cutting Nozzle (90-150mm)
GAS2084	ANML 1/8 Cutting Nozzle (190-300mm)



Part Number	Description
GAS2088	ASN Cutting Nozzle (1-3mm)



Part Number	Description
GAS2085	AGNM Gouging Nozzle Size 13 (3-8mm)
GAS2086	AGNM Gouging Nozzle Size 19 (6-10mm)
GAS2087	AGNM Gouging Nozzle Size 25 (10-13mm)



Part Number	Description
GAS2035	AFN Lightweight Cutting Nozzle 1/32
GAS2036	AFN Lightweight Cutting Nozzle 3/64
GAS2037	AFN Lightweight Cutting Nozzle 1/16



Part Number	Description
GAS2038	ASFN Cutting Nozzle (0-3mm)

# Cutting & Gouging Nozzles



Propane



Part Number	Description
GAS3037	PNMS 1/32 9 Spline Cutting Nozzle (3-6mm)
GAS3038	PNMS 3/64 9 Spline Cutting Nozzle (5-12mm)
GAS3039	PNMS 1/16 9 Spline Cutting Nozzle (10-75mm)
GAS3040	PNMS 5/64 9 Spline Cutting Nozzle (70-100mm)
GAS3042	PNMS 3/32 9 Spline Cutting Nozzle (90-150mm)
GAS3034	PNMS 7/64 9 Spline Cutting Nozzle (140-200mm)
GAS3041	PNMS 1/8 9 Spline Cutting Nozzle (190-300mm)

Part Number	Description
GAS2300	PNML 1/32 9 Spline Cutting Nozzle (3-6mm)
GAS2301	PNML 3/64 9 Spline Cutting Nozzle (5-12mm)
GAS2302	PNML 1/16 9 Spline Cutting Nozzle (10-75mm)
GAS2303	PNML 5/64 9 Spline Cutting Nozzle (70-100mm)
GAS2304	PNML 3/32 9 Spline Cutting Nozzle (90-150mm)
GAS2305	PNML 7/64 9 Spline Cutting Nozzle (140-200mm)
GAS2306	PNML 1/8 9 Spline Cutting Nozzle (190-300mm)



Part Number	Description
GAS5130	PGNM No.1 Propane Gouging Nozzle (3-6mm)
GAS5131	PGNM No.2 Propane Gouging Nozzle (5-9mm)
GAS5132	PGNM No.3 Propane Gouging Nozzle (6-12mm)
GAS5133	PGNM No.4 Propane Gouging Nozzle (10-16mm)

Part Number	Description
GAS5134	1GG Type Propane Gouging Nozzle (3-6mm)
GAS5135	2GG Type Propane Gouging Nozzle (5-10mm)
GAS5136	3GG Type Propane Gouging Nozzle (6-13mm)
GAS5137	4GG Type Propane Gouging Nozzle (10-19mm)

# Cutting & Gouging Nozzles



Propane



Part Number	Description
GAS3061	NMD Propane Heavy Duty Cutting Nozzle



Part Number	Description
GAS5151	4" HDP Cutting Nozzle



Part Number	Description
GAS2130	VVC Type 5/0 Cutting Nozzle (1-4mm)
GAS2131	VVC Type 4/0 Cutting Nozzle (4-6mm)
GAS2132	VVC Type 3/0 Cutting Nozzle (6-9mm)
GAS2133	VVC Type 00 Cutting Nozzle (9-12mm)
GAS2134	VVC Type 0 Cutting Nozzle (12-20mm)
GAS2135	VVC Type 0 1/2 Cutting Nozzle (20-35mm)
GAS2136	VVC Type 1 Cutting Nozzle (35-60mm)
GAS2137	VVC Type 1 1/2 Cutting Nozzle (60-75mm)
GAS2138	VVC Type 2 Cutting Nozzle (75-125mm)
GAS2139	VVC Type 2 1/2 Cutting Nozzle (125-150mm)
GAS2140	VVC Type 3 Cutting Nozzle (150-175mm)
GAS2141	VVC Type 4 Cutting Nozzle (175-200mm)
GAS2142	VVC Type 5 Cutting Nozzle (200-225mm)
GAS2143	VVC Type 5 1/2 Cutting Nozzle (225-250mm)



Part Number	Description
GAS5140	NFF Type No.1 Cutting Nozzle (6-25mm)
GAS5141	NFF Type No.2 Cutting Nozzle (25-50mm)
GAS5142	NFF Type No.3 Cutting Nozzle (50-75mm)
GAS5143	NFF Type No.4 Cutting Nozzle (75-150mm)
GAS5144	NFF Type No.5 Cutting Nozzle (150-200mm)
GAS5145	NFF Type No.6 Cutting Nozzle (200-300mm)

# Heating & Welding Equipment



## Type 5 Propane & Acetylene Heating



### Acetylene Equipment

Part Number	Description
GAS2049	Type 5 Shank
GAS2051	Type 5 Acetylene Mixer
GAS2154	AHT Heating Neck
GAS2151	AHT 25 Acetylene Heating Nozzle
GAS2152	AHT 50 Acetylene Heating Nozzle
GAS2153	AHT 100 Acetylene Heating Nozzle

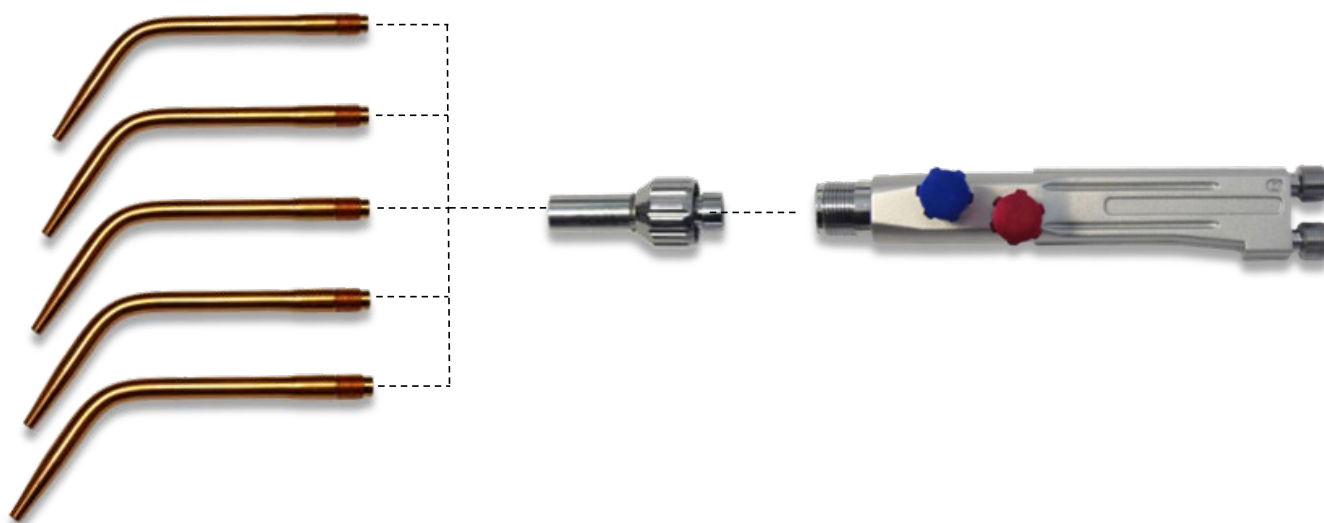
### Propane Equipment

Part Number	Description
GAS2049	Type 5 Shank
GAS2052	Type 5 Propane Heating Mixer
GAS2161	270mm Stainless Steel Bent Neck
GAS2162	700mm Stainless Steel Bent Neck
GAS2156	H1 Super Heating Nozzle
GAS2157	H2 Super Heating Nozzle
GAS2158	H3 Super Heating Nozzle
GAS2159	H4 Super Heating Nozzle
GAS2160	H5 Super Heating Nozzle

# Heating & Welding Equipment



## Type 5 Welding



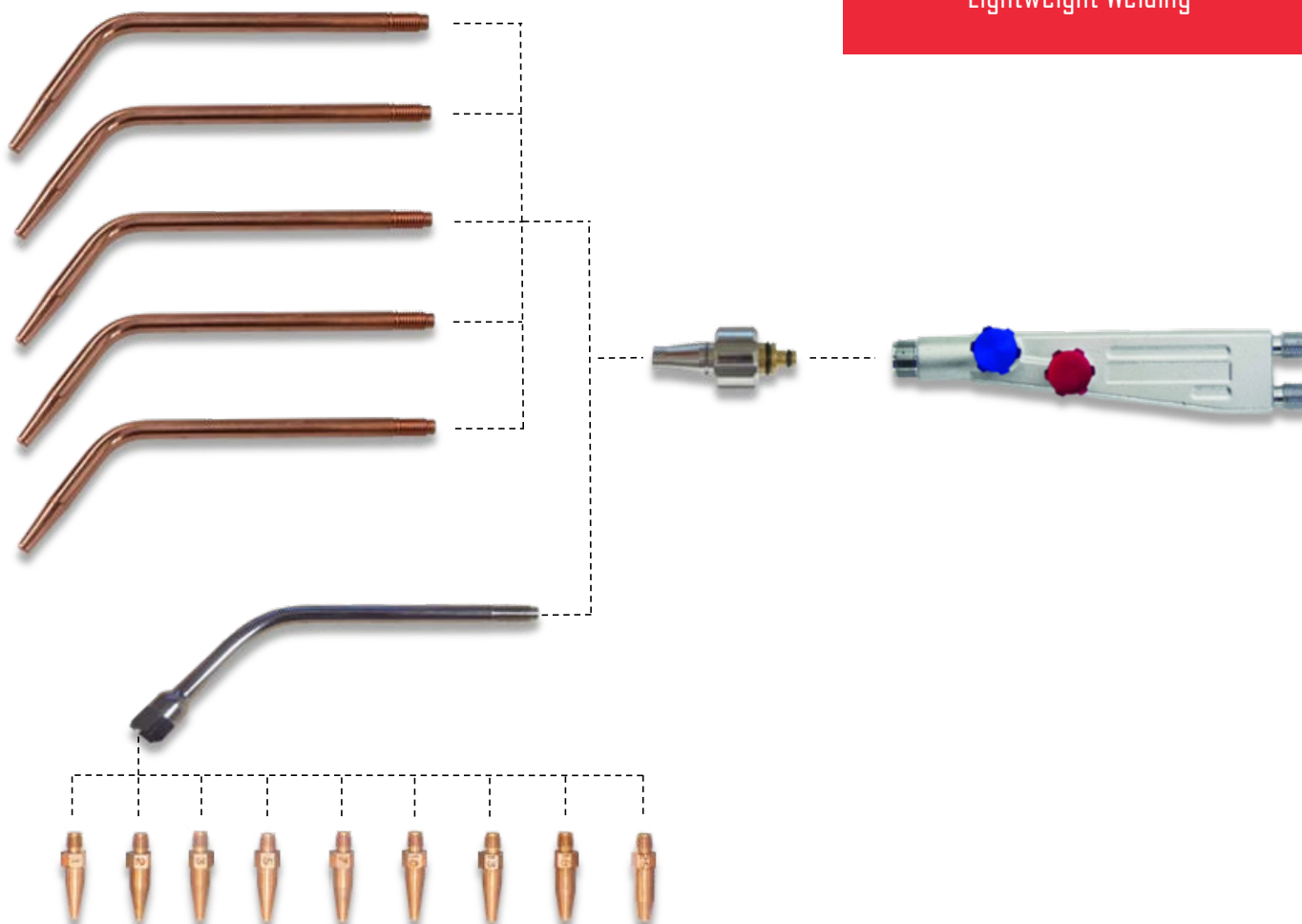
Type 5 Equipment

Part Number	Description
GAS2049	Type 5 Shank
GAS2051	Type 5 Welding Mixer
GAS2055	Type 3-5 Swaged Welding Nozzle No.1
GAS2056	Type 3-5 Swaged Welding Nozzle No.2
GAS2057	Type 3-5 Swaged Welding Nozzle No.3
GAS2058	Type 3-5 Swaged Welding Nozzle No.5
GAS2059	Type 3-5 Swaged Welding Nozzle No.7
GAS2060	Type 3-5 Swaged Welding Nozzle No.10
GAS2061	Type 3-5 Swaged Welding Nozzle No.13
GAS2062	Type 3-5 Swaged Welding Nozzle No.18
GAS2063	Type 3-5 Swaged Welding Nozzle No.25
GAS2064	Type 3-5 Swaged Welding Nozzle No.35
GAS2065	Type 3-5 Swaged Welding Nozzle No.45
GAS2067	Type 3-5 Swaged Welding Nozzle No.90

# Heating & Welding Equipment



## Lightweight Welding



### Lightweight Swaged Welding Equipment

Part Number	Description
GAS2020	Lightweight Shank
GAS2022	Lightweight Welding Mixer
GAS2025	Lightweight Swaged Welding Nozzle No.1
GAS2026	Lightweight Swaged Welding Nozzle No.2
GAS2027	Lightweight Swaged Welding Nozzle No.3
GAS2028	Lightweight Swaged Welding Nozzle No.5
GAS2029	Lightweight Swaged Welding Nozzle No.7
GAS2030	Lightweight Swaged Welding Nozzle No.10
GAS2031	Lightweight Swaged Welding Nozzle No.13
GAS2032	Lightweight Swaged Welding Nozzle No.18
GAS2033	Lightweight Swaged Welding Nozzle No.25

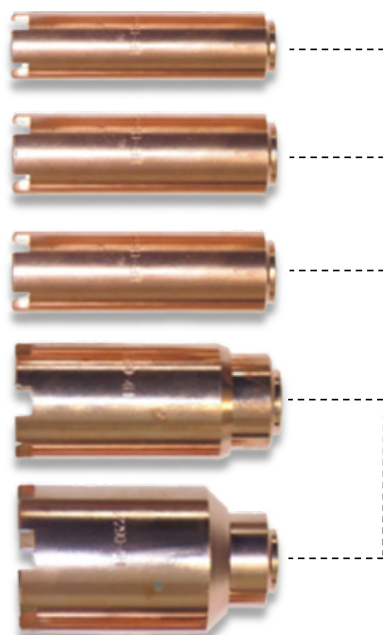
### DH Lightweight Welding Equipment

Part Number	Description
GAS2020	Lightweight Shank
GAS2022	Lightweight Welding Mixer
GAS2100	DH Neck
GAS2101	DH No.1 Nozzle
GAS2102	DH No.2 Nozzle
GAS2103	DH No.3 Nozzle
GAS2104	DH No.5 Nozzle
GAS2105	DH No.7 Nozzle
GAS2106	DH No.10 Nozzle
GAS2107	DH No.13 Nozzle
GAS2108	DH No.18 Nozzle
GAS2109	Dh No.25 Nozzle

# Heating & Welding Equipment



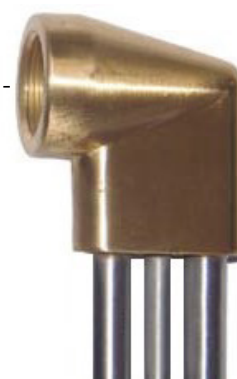
## NM & PHNM Heating



NM Super Heating Adaptor



PHNM Heating Nozzle



\*Not suitable for use with combination torches

Part Number	Description
GAS3027	NM Super Heating Adaptor
GAS2156	H1 Super Heating Nozzle
GAS2157	H2 Super Heating Nozzle
GAS2158	H3 Super Heating Nozzle
GAS2159	H4 Super Heating Nozzle
GAS2160	H5 Super Heating Nozzle

Part Number	Description
GAS3035	PHNM Heating Nozzle
GAS3036	PHNM Replacement Insert

# Heating & Welding Equipment



## Type 86/88 Propane Heating



Part Number	Description
GAS1125	Type 86 Handle (No Lever)
GAS1126	Type 88 Handle (With Lever)
GAS1127	Type 86/88 Stainless Steel Neck 150mm
GAS1128	Type 86/88 Stainless Steel Neck 350mm
GAS1129	Type 86/88 Stainless Steel Neck 600mm
GAS1130	Type 86/88 Stainless Steel Dual Outlet Neck Extension
GAS1131	Type 86/88 Brass Burner 28mm Diameter
GAS1132	Type 86/88 Brass Burner 32mm Diameter
GAS1133	Type 86/88 Brass Burner 35mm Diameter
GAS1134	Type 86/88 Brass Burner 50mm Diameter
GAS1135	Type 86/88 Stainless Steel Burner 40mm Diameter
GAS1136	Type 86/88 Stainless Steel Burner 50mm Diameter

# Flowmeters



0-14 & 0-40 L/Min



Part Number	Description
GAS1011	0-14 L/Min Inert Gas Eco Flowmeter



Part Number	Description
GAS1010	0-40 L/Min Inert Gas Eco Flowmeter



Part Number	Description
GAS1072	0-14 L/Min Inert Gas Premium Flowmeter



Part Number	Description
GAS1073	0-40 L/Min Inert Gas Premium Flowmeter

## DELIVERING SUPERIOR GAS SAFETY, CONTROL AND PRODUCTIVITY

Since Rotarex founder A.T. Schmitz began producing innovative gas cylinder valves over 90 years ago, the company has grown to become a World-Leading producer of very high quality gas control products and systems. Now, thanks to their experience, dedication to quality and technical excellence, gas companies, suppliers and installers are confident their projects will achieve the highest level of safety and performance. Present in over 65 countries with factories and sales offices in key locations around the world, their customers count on them to deliver the products and services they need wherever they are.

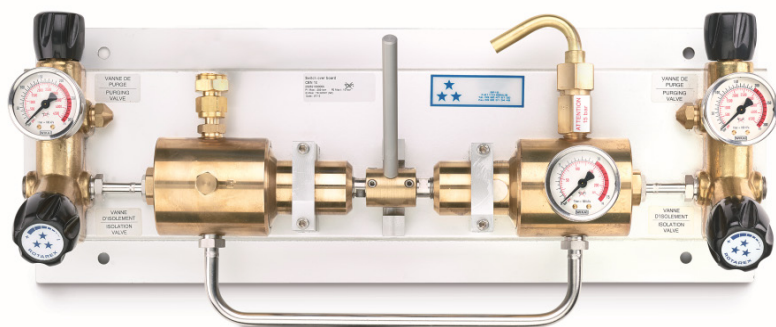


**ROTAREX**  
VALVES - FITTINGS - REGULATORS

# Speciality Gas Equipment



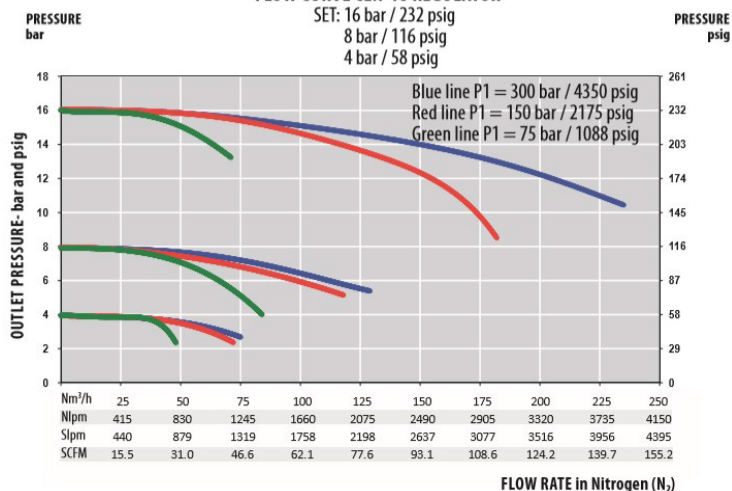
## Series CEN Brass Switchover Board



- ◇ Diaphragm Single Stage
- ◇ Balanced Valve Technology
- ◇ Purity Up To 5.5
- ◇ Inlet Pressure:  
200 Bar (2900 psig)  
300 Bar (4350 psig)
- ◇ Outlet Pressure:  
10, 16, 30, 50 Bar  
145, 232, 435, 725 psig
- ◇ Acetylene Version:  
P1 = 25 Bar (362.5 psig)  
P2 = 1 Bar (14.5 psig)
- ◇ Propane Version:  
P1 = 25 Bar (362.5 psig)  
P2 = 4 Bar (58 psig)

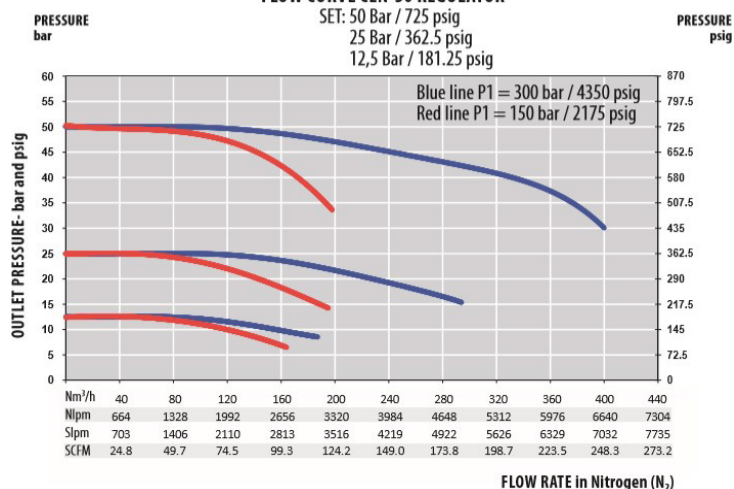
**FLOW CURVE CEN-16 REGULATOR**

SET: 16 bar / 232 psig  
8 bar / 116 psig  
4 bar / 58 psig



**FLOW CURVE CEN-50 REGULATOR**

SET: 50 Bar / 725 psig  
25 Bar / 362.5 psig  
12.5 Bar / 181.25 psig



### Key Features:

- ◇ Possible To Manage 4 Gas Cylinders Without Any Extension And A Gas For Purging Operation (Up To 6 Cylinders Without Any Extension - Without Using The Purge Line)
- ◇ No Risk That A Source Flows Into The Other One
- ◇ The Automatic Switchover Board Also Available
- ◇ Ready To Install With All Components Pre-Mounted On the Panel
- ◇ Best-In-Class Pressure Stability With Balanced Valve Technology
- ◇ Can be Used With Contact Gauges And Alarm Box

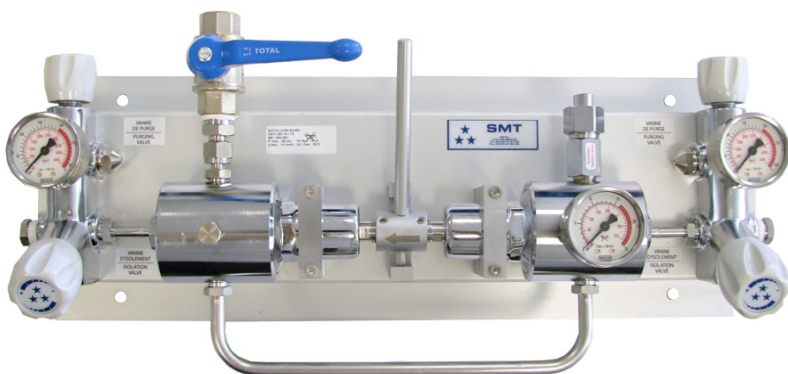
### Applications:

- ◇ Suitable For The High Flow Supply Of Non-Corrosive Industrial Gases, e.g. Plasma, TIG And MIG Applications And Other Related Processes In Cutting And Welding

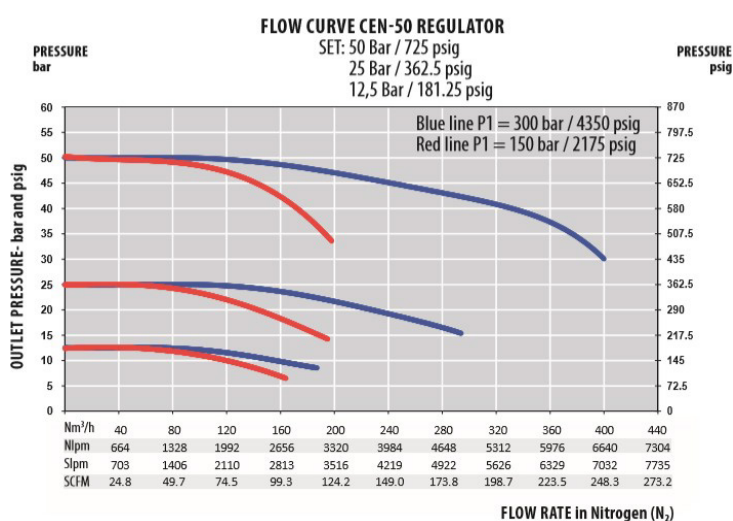
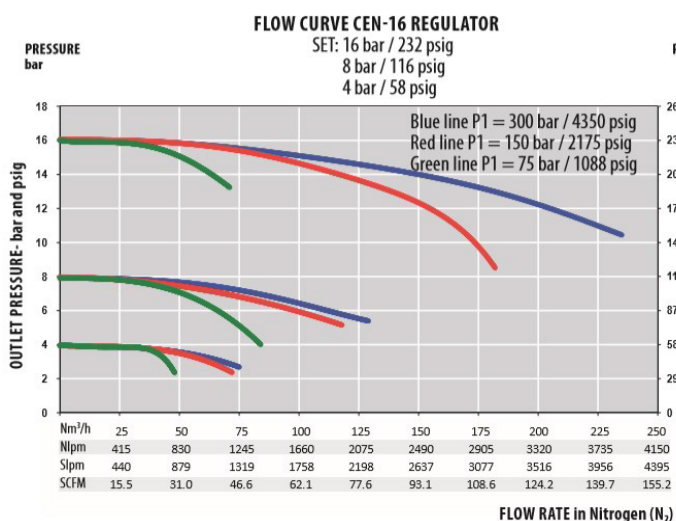
# Specialty Gas Equipment



## Series CEN Switchover Board



- ◇ Diaphragm Single Stage
- ◇ Balanced Valve Technology
- ◇ Purity Up To 6.0
- ◇ Inlet Pressure:  
200 Bar (2900 psig)  
300 Bar (4350 psig)
- ◇ Outlet Pressure:  
10, 16, 30, 50 Bar  
145, 232, 435, 725 psig
- ◇ Acetylene Version:  
P1 = 25 Bar (362.5 psig)  
P2 = 1 Bar (14.5 psig)
- ◇ Propane Version:  
P1 = 25 Bar (362.5 psig)  
P2 = 4 Bar (58 psig)



### Key Features:

- ◇ Possible To Manage 4 Gas Cylinders Without Any Extension And A Gas For Purging Operation (Up To 6 Cylinders Without Any Extension - Without Using The Purge Line)
- ◇ No Risk That A Source Flows Into The Other One
- ◇ Automatic Switchover Board Also Available
- ◇ Ready To Install With All Components Pre-Mounted On the Panel
- ◇ Best-In-Class Pressure Stability With Balanced Valve Technology
- ◇ Can be Used With Contact Gauges And Alarm Box

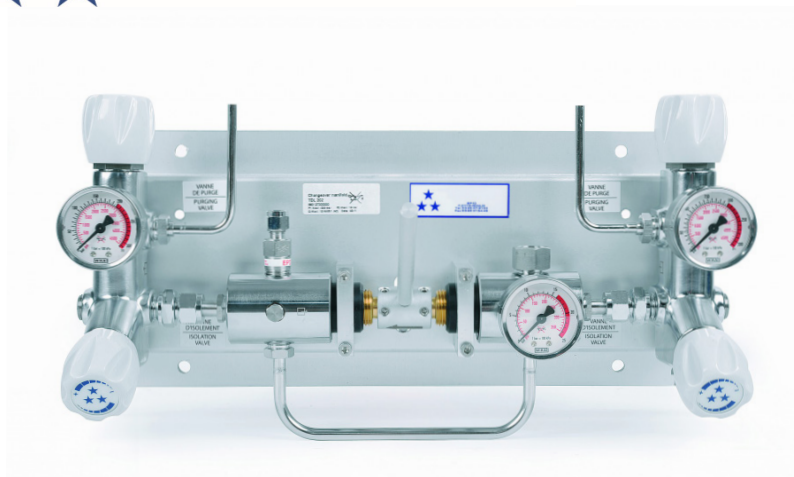
### Applications:

- ◇ Suitable For The High Flow Supply Of Non-Corrosive Industrial Gases, E.G. Plasma, TIG And MIG Applications And Other Related Processes In Cutting And Welding

# Speciality Gas Equipment



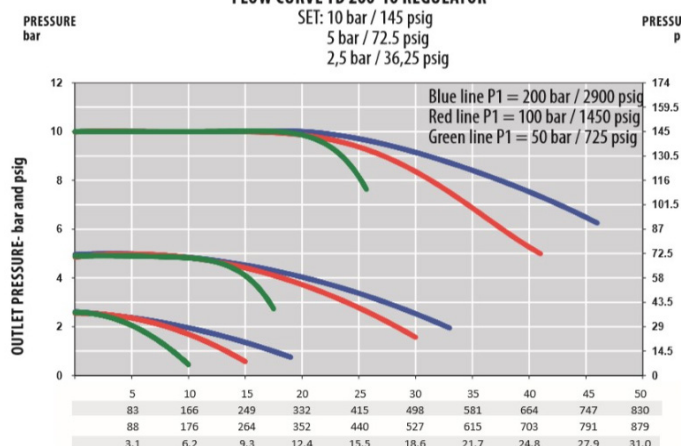
## Switchover Board TD 202 Series



- ◇ Diaphragm Single Stage
- ◇ Purity Up To 6.0
- ◇ Inlet Pressure:  
200 Bar (2900 psig)  
300 Bar (4350 psig)
- ◇ Outlet Pressure:  
10 Bar (145 psig)  
16 Bar (232 psig)

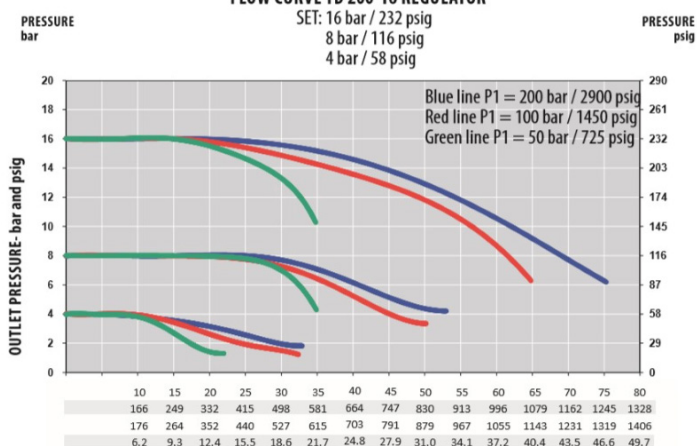
**FLOW CURVE TD 200-10 REGULATOR**

SET: 10 bar / 145 psig  
5 bar / 72.5 psig  
2,5 bar / 36,25 psig



**FLOW CURVE TD 200-16 REGULATOR**

SET: 16 bar / 232 psig  
8 bar / 116 psig  
4 bar / 58 psig



### Key Features:

- ◇ Possible To Manage 4 Gas Cylinders Without Any Extension And A Gas For Purging Operation (Up To 6 Cylinders Without Any Extension - Without Using The Purge Line)
- ◇ No Risk That A Source Flows Into The Other One
- ◇ The Automatic Switchover Board Does Not Need To Be Reset To Allow Reversal Of Cycle
- ◇ Ready To Install With All Components Pre-Mounted On the Panel
- ◇ Can Be Assembled With A Collection Tube On The Relief Valve And Purge Outlet
- ◇ Can Be Assembled With A Outlet Shut-Off Valve
- ◇ Contact Gauges Can Be Used When An Alarm Box Is Required To Indicate Gas Source Status

### Applications:

- ◇ Ideally Suited To Ensure Gas Supply From Many High Pressure Sources Of High Purity Non-Corrosive Gases With Low Flow
- ◇ Dedicated To The Supply Of Gas Analysers In Laboratories, Control Units, And For Petrochemical Applications

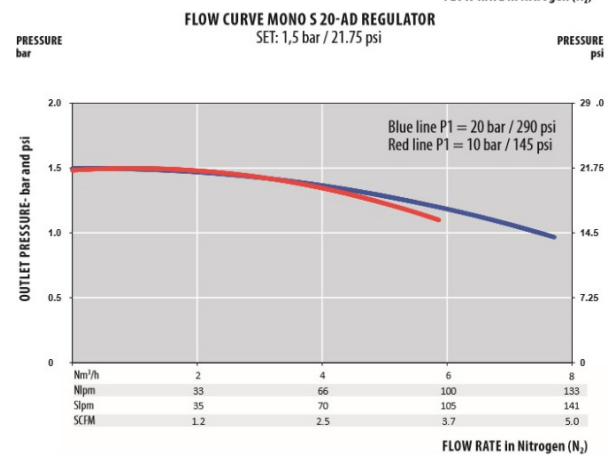
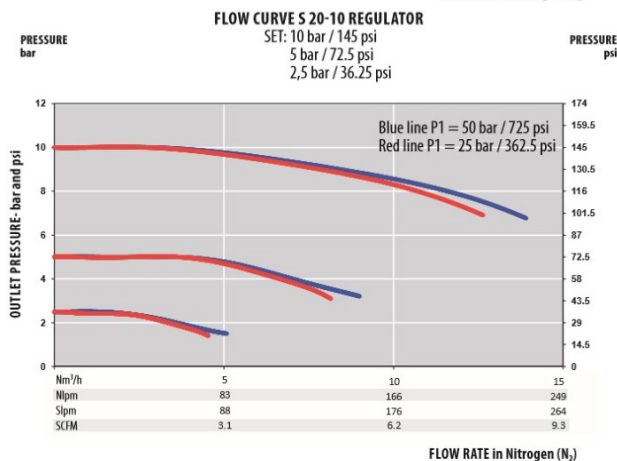
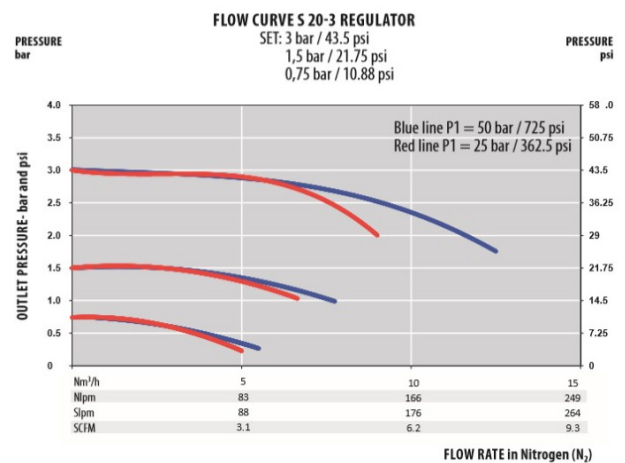
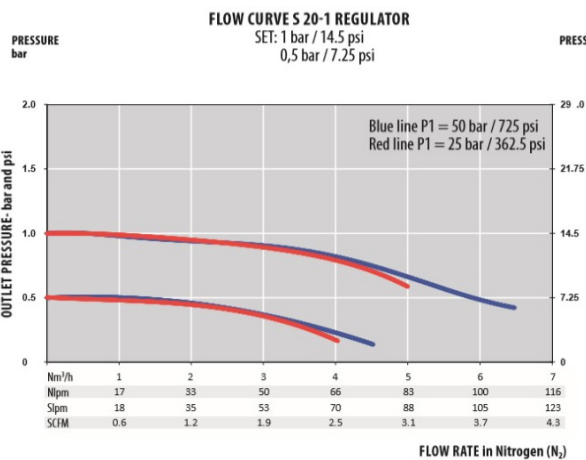
# Speciality Gas Equipment



## Mono Series S20 Compact Point Of Use



- ◇ Bellow Single Stage
- ◇ Purity Up To 6.0
- ◇ Inlet Pressure:  
50 Bar (725 psi)
- ◇ Outlet Pressure:  
1, 3, 10 Bar (14.5, 44, 145 psi)
- ◇ Acetylene Version (AD - C<sub>2</sub>H<sub>2</sub>):  
P1 = 20 Bar (290 psi)  
P2 = 1.5 Bar (21.75 psi)



### Key Features:

- ◇ Compact Outline And Ergonomic Design Make This Point Of Use Suitable For Laboratory Furniture
- ◇ Acetylene Version Also Available
- ◇ Compact Design

### Applications:

- ◇ A Terminal Point Of Use For Speciality Gas Applications In A Laboratory Or Workshop

# Speciality Gas Equipment

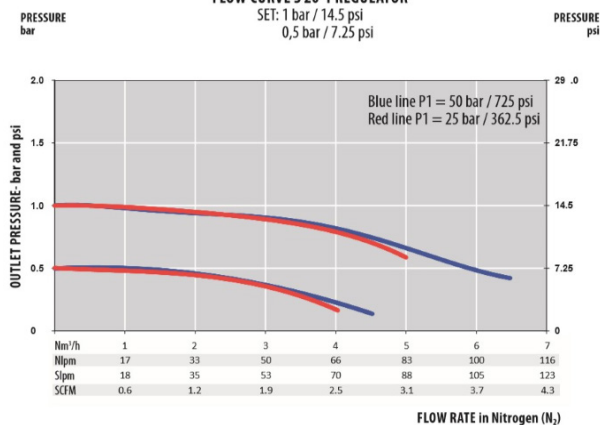


## Series S20 Line Regulator

- ◇ Bellow Single Stage
- ◇ Purity Up To 6.0
- ◇ Inlet Pressure:  
50 Bar (725 psi)
- ◇ Outlet Pressure:  
1, 3, 10 Bar (14.5, 44, 145 psi)

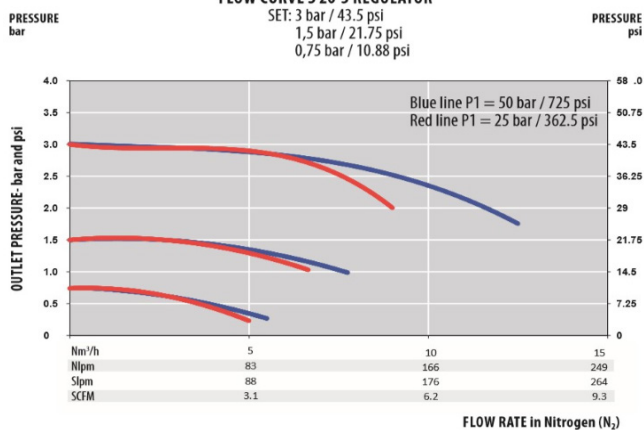
**FLOW CURVE S 20-1 REGULATOR**

SET: 1 bar / 14.5 psi  
0,5 bar / 7.25 psi



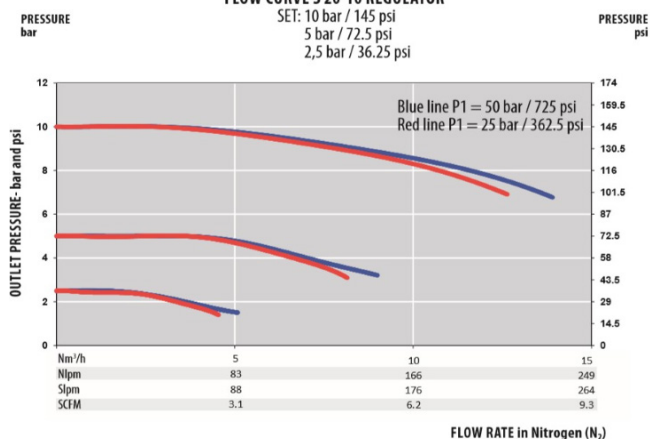
**FLOW CURVE S 20-3 REGULATOR**

SET: 3 bar / 43.5 psi  
1,5 bar / 21.75 psi  
0,75 bar / 10.88 psi



**FLOW CURVE S 20-10 REGULATOR**

SET: 10 bar / 145 psi  
5 bar / 72.5 psi  
2,5 bar / 36.25 psi



### Key Features:

- ◇ Bellow Technology Provides A Large Range Of Accurate Outlet Pressures In A Compact Design
- ◇ Wall Or Panel Mounting Options
- ◇ Acetylene Version Available

### Applications:

- ◇ Used As A Line Or Point Of Use Regulator For Speciality Gas Applications Requiring Very Precise Repeatability And A High Precision Outlet Pressure
- ◇ Ideally Suited To Laboratory Applications Such As Gas Delivery To Inductive Plasma Spectrometer, Protection And Support Gas For Chromatograph

# Speciality Gas Equipment

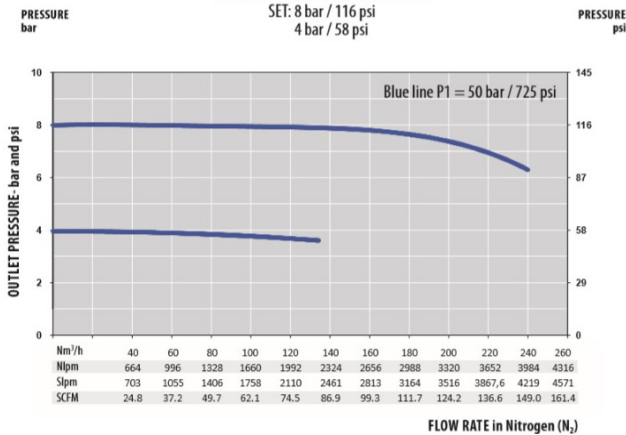


## Series DC50 High Flow Line Regulator

- ◇ Diaphragm Single Stage
- ◇ Balanced Valve Technology
- ◇ Purity Up To 5.0
- ◇ Inlet Pressure:  
50 Bar (725 psi)
- ◇ Outlet Pressure:  
8, 15, 40 Bar (116, 217, 580 psi)
- ◇ Acetylene Version (AD -  $C_2H_2$ ):  
P1 = 1.5 Bar (21.75 psi)  
P2 = 0.8 Bar (12 psi)

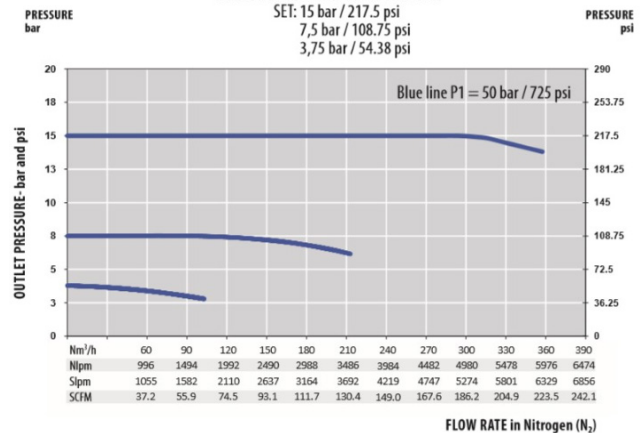
**FLOW CURVE DC 50-8 REGULATOR**

SET: 8 bar / 116 psi  
4 bar / 58 psi



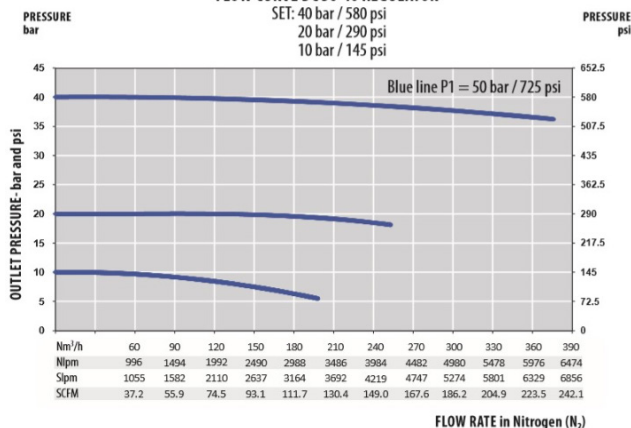
**FLOW CURVE DC 50-15 REGULATOR**

SET: 15 bar / 217.5 psi  
7.5 bar / 108.75 psi  
3.75 bar / 54.38 psi



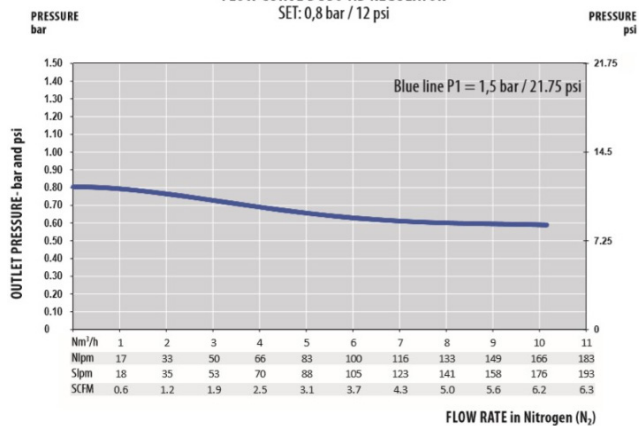
**FLOW CURVE DC 50-40 REGULATOR**

SET: 40 bar / 580 psi  
20 bar / 290 psi  
10 bar / 145 psi



**FLOW CURVE DC 50-AD REGULATOR**

SET: 0.8 bar / 12 psi



### Key Features:

- ◇ Low Pressure Regulator With High Flow, No Vibration
- ◇ Best In Class Pressure Stability With Balanced Valve Technology
- ◇ Reduced Strain On The Seat Increases Regulator Life

### Applications:

- ◇ For All Applications Requiring A Low Pressure Outlet With High Flow
- ◇ Ideally Suited As A Line Regulator In Combination With Supply Or Switch Over Board

# Speciality Gas Equipment

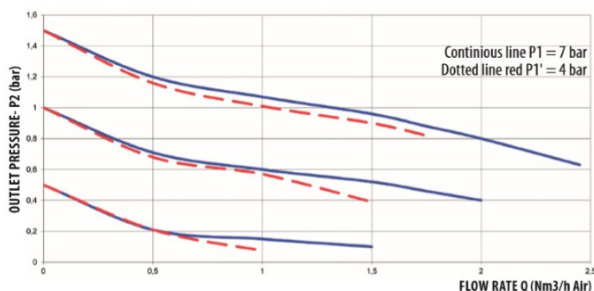


## Series C790 Modular Point Of Use

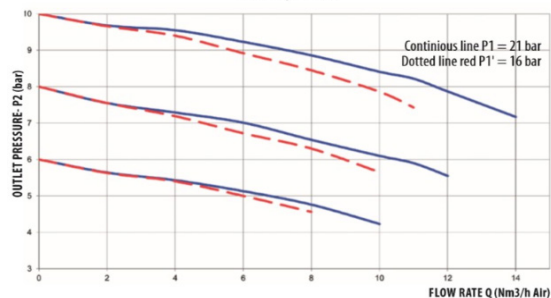


- ◇ Diaphragm Single Stage
- ◇ Purity Up To 6.0
- ◇ Inlet Pressure:  
50 Bar (725 psi)
- ◇ Outlet Pressure:  
1.5, 5.5, 10 Bar  
(21.75, 79.75, 145 psi)
- ◇ Acetylene Version (AD - C<sub>2</sub>H<sub>2</sub>):  
PI = 1.5 Bar (21.75 psi)

POU BRASS - LINE PRESS.CGA E-4  
SET: P2 up to 1.5 bar



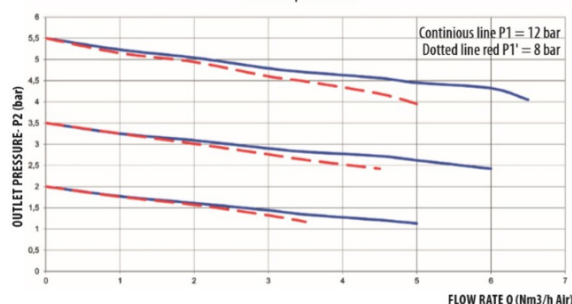
POU BRASS - LINE PRESS.CGA E-4  
SET: P2 up to 10 bar



### Key Features:

- ◇ A Complete Range To Cover Any Types Of Laboratory Configuration
- ◇ Each Model Can Be Equipped With An Optional Flow-Control Valve
- ◇ The 60 µm Mesh Inlet Filter Prevents Contamination Of The Regulator By Particles During Installation
- ◇ All Gas Wetted Components Are Cleaned According To The Rotarex 3 Star Quality Process
- ◇ Improved Chemical Compatibility: Acetone Resistant Pressure Regulator Window, Acids & Alkaline Resistant Covers To Increase Durability With PTFE/PCTFE Joints, HDPE Plastics And Hastelloy<sup>®</sup> Diaphragm
- ◇ Each POU Is 100% Tested With Helium
- ◇ All POU Are Equipped With EASY FIX Pre Positioning System To Prevent The Rotation Of The POU During Installation And Tightening

POU BRASS - LINE PRESS.CGA E-4  
SET: P2 up to 5.5 bar

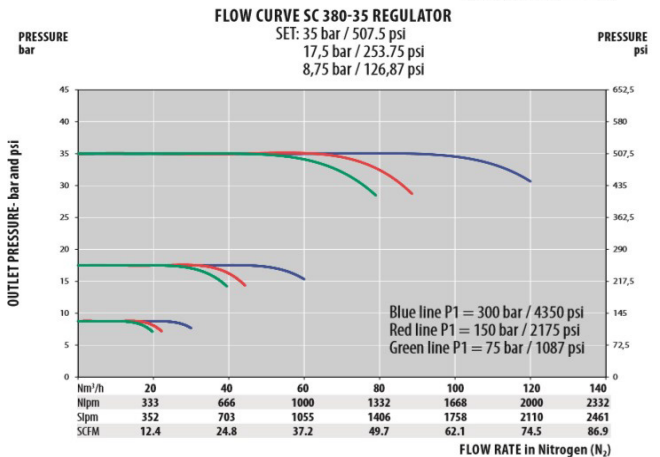
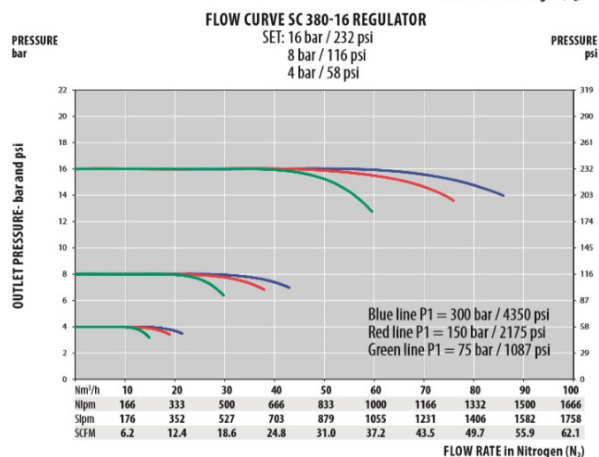
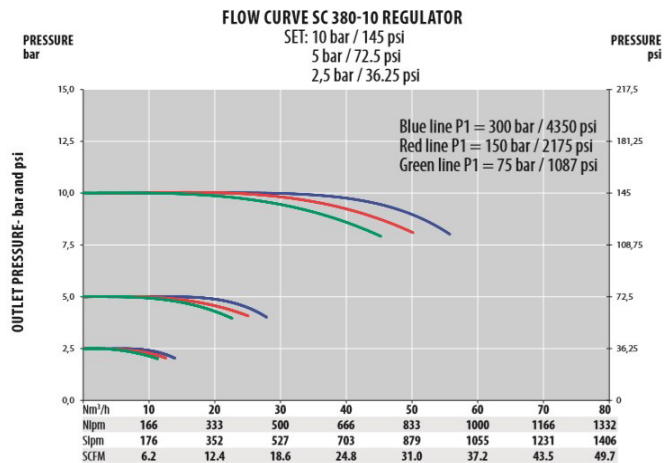
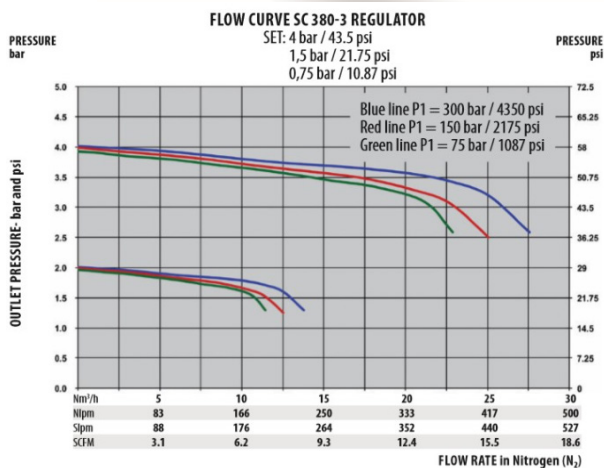


# Speciality Gas Equipment



## Series SC 280-SC 380 HP Cartridge Regulator

- ◇ Diaphragm Single Stage
- ◇ Purity Up To 6.0
- ◇ Inlet Pressure:  
200 Bar (2900 psi)  
300 Bar (4350 psi)
- ◇ Outlet Pressure:  
1.5, 4, 10, 16, 35, 50 Bar  
(21.75, 58, 145, 232, 508, 725 psi)
- ◇ Available In Chrome Plated Brass Or  
Stainless Steel Versions



### Key Features:

- ◇ Cartridge Seat Technology
- ◇ Accurate Pressure Control, Handwheel In Compliance With ATEX Regulation
- ◇ Relief Valve Material - Brass EPDM, Stainless FPM

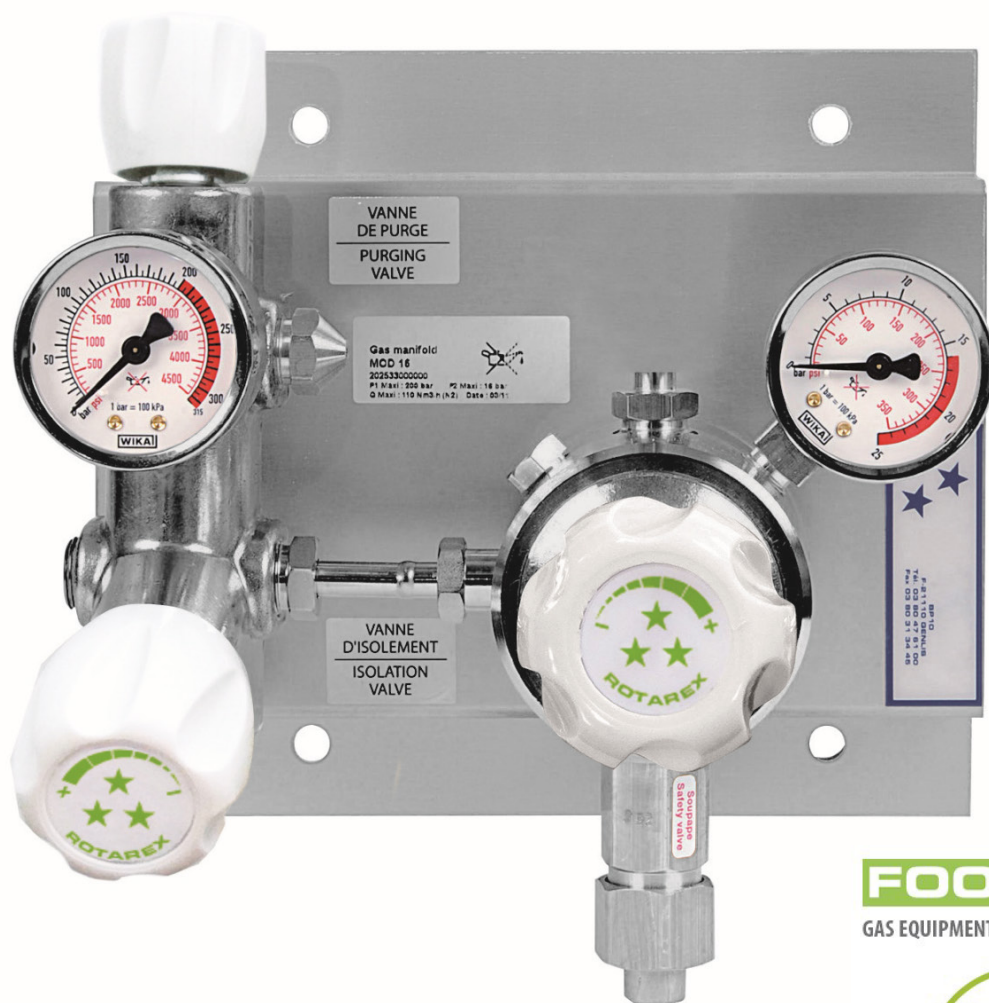
### Applications:

- ◇ Designed For Cylinder Regulator Applications
- ◇ Suited For Pure, Inert And Corrosive Gases

# FOODLINE

Rotarex, is proud to introduce FOODLINE<sup>®</sup>, a comprehensive line of gas-supply equipment for the food processing industry that's certified compliant with EU regulation EC 1935:2004. This regulation was put in place to ensure materials used in food processing will not introduce any contaminant that could be harmful for humans.

By achieving the EC1935:2004 certification, food processors, gas companies and system installers can be confident that Rotarex's FOODLINE<sup>®</sup> equipment will not introduce contaminants into gases used in food processing or that are considered part of the "food package" at a level that is unsafe for people.



**FOODLINE**

GAS EQUIPMENT FOR FOOD PROCESSING



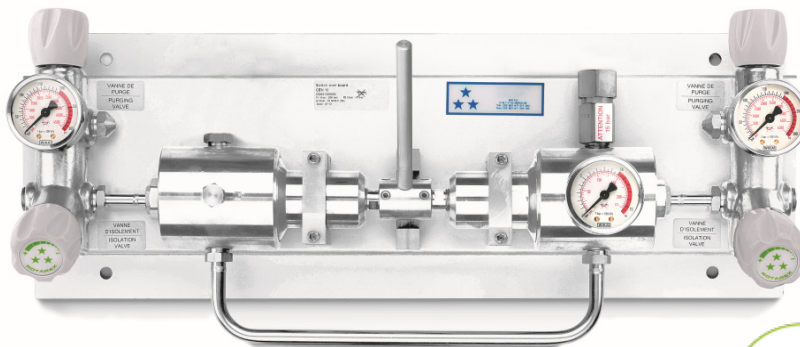
# ROTAREX

VALVES - FITTINGS - REGULATORS

# Food Processing Equipment



## Series CEN 200 F Switchover Board

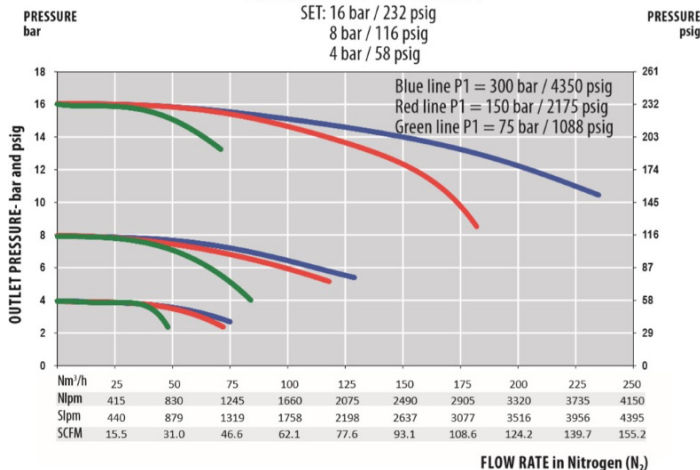


- ◇ Diaphragm Single Stage
- ◇ Balanced-Valve Technology
- ◇ Inlet Pressure: 200 Bar (2900 psig)
- ◇ Outlet Pressure: 16/30 Bar (232/435 psig)



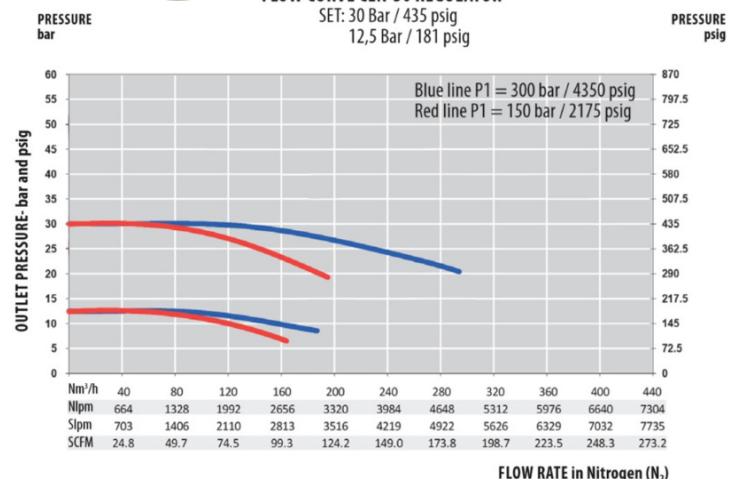
### FLOW CURVE CEN-16 REGULATOR

SET: 16 bar / 232 psig  
8 bar / 116 psig  
4 bar / 58 psig



### FLOW CURVE CEN-30 REGULATOR

SET: 30 Bar / 435 psig  
12,5 Bar / 181 psig



#### Key Features:

- ◇ Possible To Connect 4 Gas Cylinders Without Any Extension And A Gas For Purging Operation (Up To 6 Cylinders Without Any Extension - Without Using The Purge Line).
- ◇ No Risk That A Source Flows Into The Other One.
- ◇ Ready To Install With All Components Pre-Mounted On A Board.
- ◇ Best-Of-Class Pressure Stability With Balanced-Valve Technology
- ◇ Can Also Be Equipped With A Collection Tube On The Relief Valve And Purge Outlet.
- ◇ Using Contact Gauges, The Switchover Board Can Also Be Equipped With An Alarm Box To Indicate The Source Status.

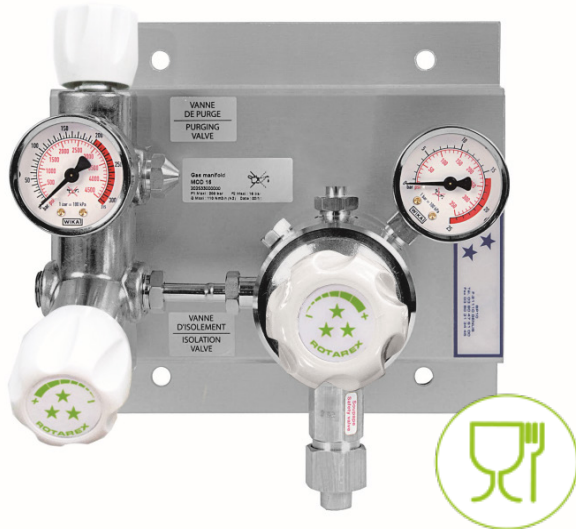
#### Applications:

- ◇ Dedicated Food Version With Full Compatibility Of Materials

# Food Processing Equipment



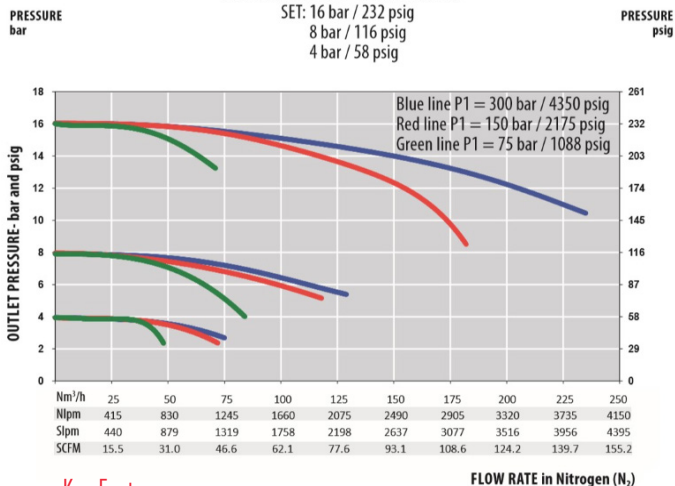
## Series MOD 200 F Supply Board



- ◇ Diaphragm Single Stage
- ◇ Balanced-Valve Technology
- ◇ Inlet Pressure: 200 Bar (2900 psig)
- ◇ Outlet Pressure: 16, 50 bar (232, 725 psig)

### FLOW CURVE MOD-16 REGULATOR

SET: 16 bar / 232 psig  
8 bar / 116 psig  
4 bar / 58 psig

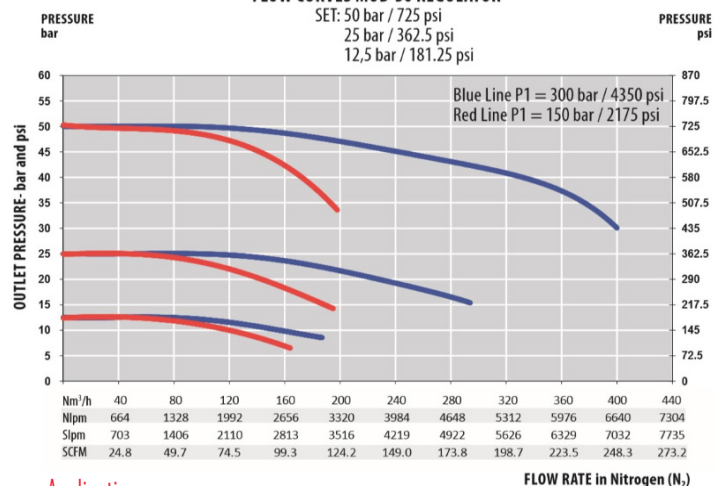


#### Key Features:

- ◇ Possible To Connect 2 Gas Cylinders And A Gas For Purging Operation (Up To 3 Cylinders Without Any Extension - Without Using The Purge Line).
- ◇ Ready To Install: All Components Are Pre-Mounted On A Board.
- ◇ Best-Of-Class Pressure Stability With Balanced Valve Technology
- ◇ Non-Whipping Filter Improves Safety Of The Operator During The Cylinder Replacement.
- ◇ Can Be Connected To An Alarm Box Using Contact Gauges.

### FLOW CURVES MOD-50 REGULATOR

SET: 50 bar / 725 psi  
25 bar / 362.5 psi  
12.5 bar / 181.25 psi



#### Applications:

- ◇ Dedicated Food Version With Full Compatibility Of Materials.
- ◇ Used In Combination With A Switchover Board For The Regulation Of The Emergency Source During Maintenance On The Principal Source. This Avoids Installing Extensions And Reduces The Amount Of Leaking Points

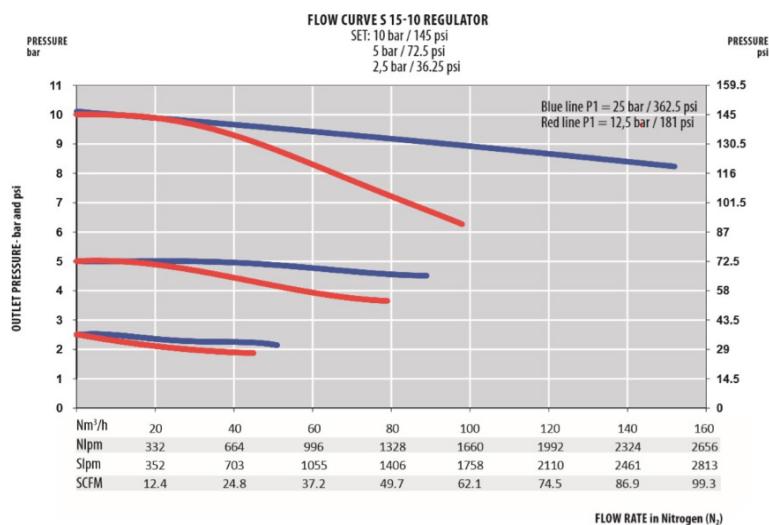
# Food Processing Equipment



## Mono Series S 15 F Compact Point Of Use



- ◇ Diaphragm Single Stage
- ◇ Balanced-Valve Technology
- ◇ Inlet Pressure: 25 Bar (360 psi)
- ◇ Outlet Pressure: 10 Bar (145 psi)



### Key Features:

- ◇ Made Up With A Series S 15 Type Regulator And A VLM 200 Valve.
- ◇ Best-In-Class Pressure Stability With Balanced Valve Technology.
- ◇ Compact Outline Dimensions And Ergonomic Design Make This Point Of Use Suitable For Laboratory Furniture.

### Applications:

- ◇ Dedicated Food Version With Full Compatibility Of Materials.
- ◇ A Terminal Point Of Use For Specialty Gas Applications In A Laboratory Or In A Workshop.

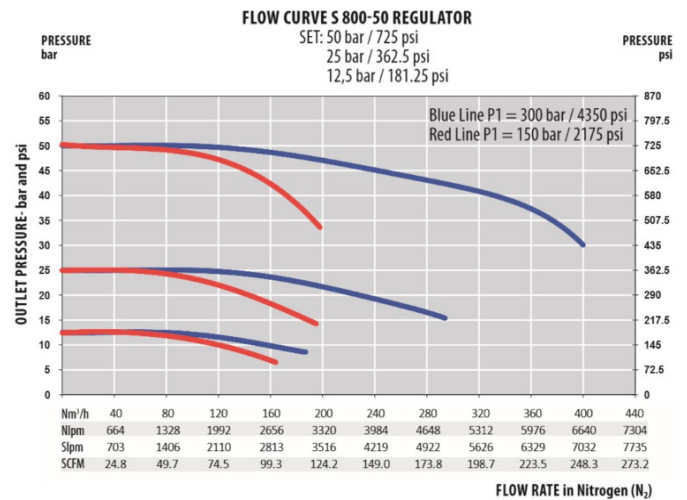
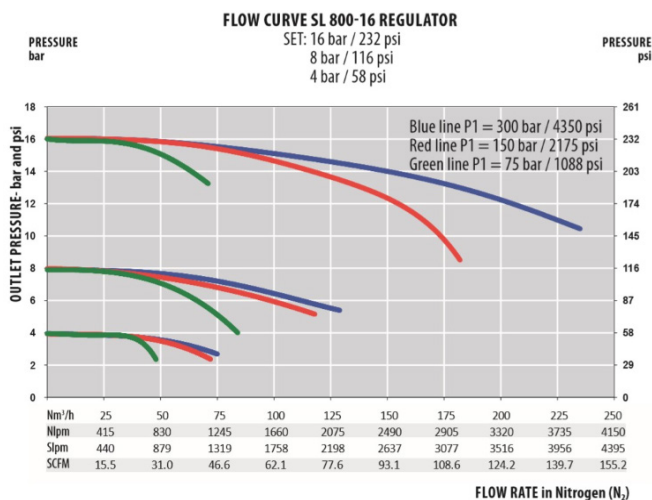
# Food Processing Equipment



## Series S800 F HP Regulator



- ◇ Diaphragm Single Stage
- ◇ Balanced-Valve Technology
- ◇ Inlet Pressure: 200 Bar (2900 psi)
- ◇ Outlet Pressure: 16/50 Bar (232/725 psi)



### Key Features:

- ◇ Best-In-Class Pressure Control With Balanced Valve Technology: The Effect Of Inlet Pressure Fluctuations On Outlet Pressure Are Minimized. The BV-Technology Enables The Delivery Of A Very Stable Outlet Pressure And Flow Even With High Flow.
- ◇ BV Technology Also Increases The Lifetime Of The Regulator And Reduces Ownership Cost.

### Applications:

- ◇ Dedicated Food Version With Full Compatibility Of Materials.
- ◇ Designed For Application As A Cylinder Regulator.
- ◇ Ideally Suited for High-Pressure Applications Requiring High Flow And Precise Outlet Pressure.

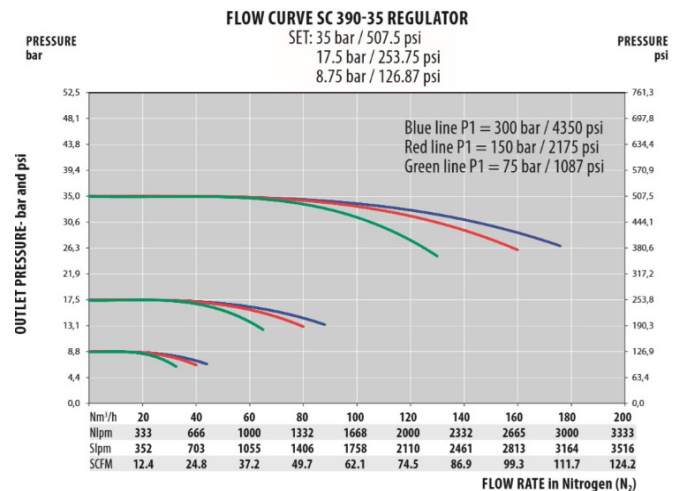
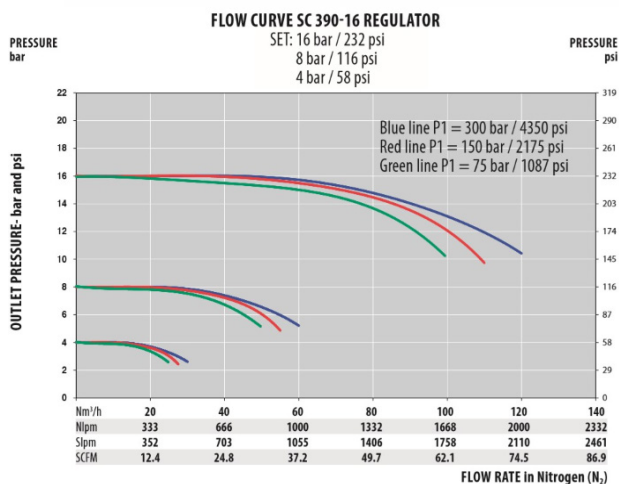
# Food Processing Equipment



## Series SC 290 F Single Stage HP Cartridge Regulator



- ◇ Diaphragm Single Stage
- ◇ Inlet Pressure:  
200 Bar (2900 psi)
- ◇ Outlet Pressure:  
16/35 Bar 232/508 psi



### Key Features:

- ◇ This Single Stage Regulator Is Based On The Cartridge Seat Technology.
- ◇ High Flow Regulator With A Very Stable Outlet Pressure Based On The Cartridge Technology.
- ◇ Accurate Pressure Control For Reliable Service.
- ◇ Chrome Plated Brass.
- ◇ Could Be Equipped With A Shut Off Valve.

### Applications:

- ◇ Dedicated Food Version With Full Compatibility Of Materials.
- ◇ Designed For Cylinder Regulator Applications.

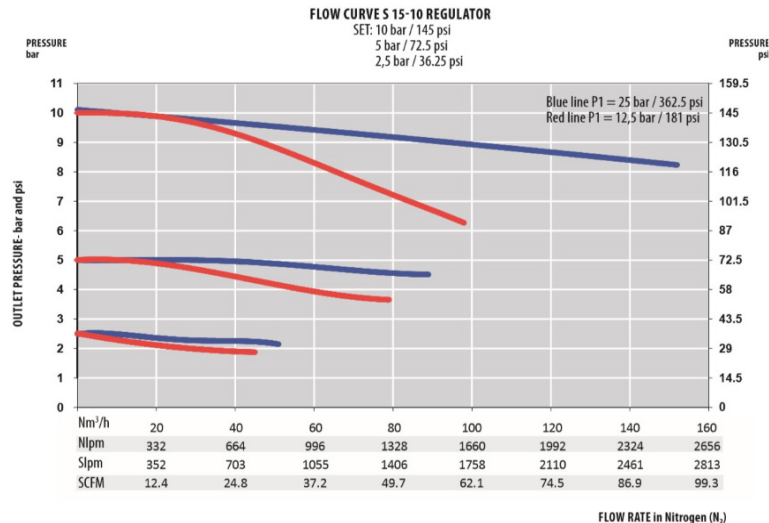
# Food Processing Equipment



## Series S 15 F Line Regulator



- ◇ Diaphragm Single Stage
- ◇ Balanced-Valve Technology
- ◇ Inlet Pressure:  
25 Bar (360 psi)
- ◇ Outlet Pressure:  
10 Bar (145 psi)



### Key Features:

- ◇ As A Second Level Of Regulation The S 15 Will Supply A Precise Outlet Pressure To The Process.
- ◇ Can Be Used For Wall Or Panel Mounting With Its Compact Design, Rear Threads And Fixing Ring.
- ◇ Best-In-Class Pressure Stability With Balance-Valve Technology: The Effect Of Inlet Pressure Fluctuations On Outlet Pressure Are Minimized. BV-Technology Delivers An Exceptionally Stable Outlet Pressure And Flow Even With High Flow Line Regulators.

### Applications:

- ◇ Dedicated Food Version With Full Compatibility Of Materials.
- ◇ Used As A line Regulator For High-Flow Industrial Or Lab Applications.

# Food Processing Equipment



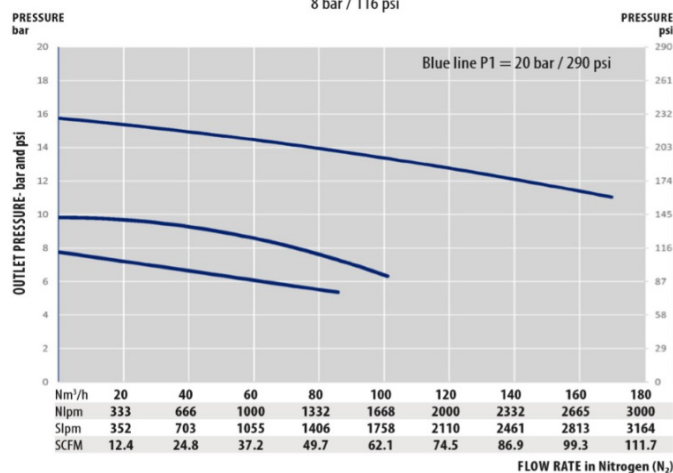
## Series DC 50 F High Flow Line Regulator



- ◇ Diaphragm Single Stage
- ◇ Balanced-Valve Technology
- ◇ Inlet Pressure:  
20 Bar (290 psi)
- ◇ Outlet Pressure:  
8, 15 Bar 116, 217 psi

**FLOW CURVE DC 50-8 REGULATOR**

SET: 16 bar / 232 psi  
10 bar / 145 psi  
8 bar / 116 psi



### Key Features:

- ◇ Low Pressure Regulator With High Flow, Without Vibration.
- ◇ Best-In-Class Pressure Stability With Balanced-Valve Technology: The Effect Of Inlet Pressure Fluctuations On Outlet Pressure Is Minimised. BV-Technology Enables The Delivery Of A Very Stable Outlet Pressure And Flow Even With High Flow Line Regulators.
- ◇ Reduced Strain On The Seat Increases Regulator Life And Reduces The Ownership Cost.

### Applications:

- ◇ Dedicated Food Version With Full Compatibility Of Materials.
- ◇ For All Applications Requiring A Low Pressure With High Flow.
- ◇ Ideally Suited As A Line Regulator In Combination Either With MOD Supply Board Or CEN Switch Over Board.

# Cutting & Welding Kits



## Lightweight



### Key Features:

- ◇ All Equipment Housed In A Strong & Durable Lightweight Carry Case
- ◇ Foam Insert Contributes To Keeping Equipment Free From Damage
- ◇ Ideal For "On Site" Applications
- ◇ All Equipment Fully Tested Prior To Dispatch

### Contents:

- ◇ Single Stage 2 Gauge Oxygen Regulator (GAS0002)
- ◇ Single Stage 2 Gauge Acetylene Regulator (GAS0003)
- ◇ RF53N Oxygen Flashback Arrestor (GAS1015)
- ◇ RF53N Fuel Gas Flashback Arrestor (GAS1016)
- ◇ Lightweight Shank (GAS2020)
- ◇ Lightweight Welding Mixer (GAS2022)
- ◇ Lightweight Cutting Attachment (GAS2021)
- ◇ AFN 3/64 (GAS2036)
- ◇ AFN 1/16 (GAS2037)
- ◇ Lightweight Swaged Welding Nozzle No.1 (GAS2025)
- ◇ Lightweight Swaged Welding Nozzle No.3 (GAS2027)
- ◇ Lightweight Swaged Welding Nozzle No.5 (GAS2028)
- ◇ Lightweight Swaged Welding Nozzle No.10 (GAS2030)
- ◇ Lightweight Swaged Welding Nozzle No.13 (GAS2031)
- ◇ Drop Forged Combination Spanner (GAS5060)
- ◇ Triple Flint Spark Lighter (GAS5052)
- ◇ Tip Cleaners (GAS3022)

Part Number	Description
GAS5198	Lightweight Cutting And Welding Kit

# Cutting & Welding Kits



## Type 5



### Key Features:

- ◇ All Equipment Housed In A Strong & Durable Lightweight Carry Case
- ◇ Foam Insert Contributes To Keeping Equipment Free From Damage
- ◇ Ideal For "On Site" Applications
- ◇ All Equipment Fully Tested Prior To Dispatch

### Contents:

- ◇ Single Stage 2 Gauge Oxygen Regulator (GAS0002)
- ◇ Single Stage 2 Gauge Acetylene Regulator (GAS0003)
- ◇ RF53N Oxygen Flashback Arrestor (GAS1015)
- ◇ RF53N Fuel Gas Flashback Arrestor (GAS1016)
- ◇ Type 5 Shank (GAS2049)
- ◇ Type 5 Welding Mixer (GAS2051)
- ◇ Type 5 Cutting Attachment (GAS2050)
- ◇ ANM 3/64 (GAS2071)
- ◇ ANM 1/16 (GAS2072)
- ◇ Type 3-5 Swaged Welding Nozzle No.1 (GAS2055)
- ◇ Type 3-5 Swaged Welding Nozzle No.3 (GAS2057)
- ◇ Type 3-5 Swaged Welding Nozzle No.5 (GAS2058)
- ◇ Type 3-5 Swaged Welding Nozzle No.10 (GAS2060)
- ◇ Type 3-5 Swaged Welding Nozzle No.13 (GAS2061)
- ◇ Drop Forged Combination Spanner (GAS5060)
- ◇ Triple Flint Spark Lighter (GAS5052)
- ◇ Tip Cleaners (GAS3022)

Part Number	Description
GAS5199	Type 5 Cutting And Welding Kit

# Cutting & Welding Kits



## Contractors Cutting Kit



### Key Features:

- ◇ All Equipment Housed In A Strong & Durable Carry Case
- ◇ Foam Insert Contributes To Keeping Equipment Free From Damage
- ◇ "Plug & Play" All Equipment Ready To Start Work
- ◇ Ideal For "On Site" Applications
- ◇ All Equipment Fully Tested Prior To Dispatch

### Contents - Oxygen/Acetylene Version:

- ◇ Single Stage 2 Gauge Oxygen Regulator (GAS0012)
- ◇ Single Stage 2 Gauge Acetylene Regulator (GAS0013)
- ◇ 18/90NM Cutting Torch (GAS2005)
- ◇ RF53N Oxygen Flashback Arrestor (GAS1015)
- ◇ RF53N Fuel Gas Flashback Arrestor (GAS1016)
- ◇ 10mm x 10 Metre Fitted Oxygen Hose (GAS4038)
- ◇ 10mm x 10 Metre Fitted Acetylene Hose (GAS4043)
- ◇ ANM 3/64 Cutting Nozzle (GAS2071)
- ◇ ANM 1/16 Cutting Nozzle (GAS2072)
- ◇ Triple Flint Spark Lighter (GAS5052)
- ◇ Dropped Forged Combination Spanner (GAS5060)

### Contents - Oxygen/Propane Version:

- ◇ Single Stage 2 Gauge Oxygen Regulator (GAS0012)
- ◇ Single Stage Propane Regulator (GAS0007)
- ◇ 18/90NM Cutting Torch (GAS2005)
- ◇ RF53N Oxygen Flashback Arrestor (GAS1015)
- ◇ RF53N Fuel Gas Flashback Arrestor (GAS1016)
- ◇ 10mm x 10 Metre Fitted Oxygen Hose (GAS4038)
- ◇ 10mm x 10 Metre Fitted Propane Hose (GAS4048)
- ◇ PNM 3/64 Cutting Nozzle (GAS3038)
- ◇ PNM 1/16 Cutting Nozzle (GAS3039)
- ◇ Triple Flint Spark Lighter (GAS5052)
- ◇ Dropped Forged Combination Spanner (GAS5060)

Part Number	Description
GAS5203	Oxygen/Acetylene Contractors Cutting Kit
GAS5204	Oxygen/Propane Contractors Cutting Kit

# Cutting & Welding Kits



## Model O Lead Burning



### Key Features:

- ◇ Conveniently Housed In A Small Compact Carry Case
- ◇ Ideal For Fine Brazing Applications Such As Jewellery Making And Roofing
- ◇ Can Be Used With Oxygen/Acetylene & Oxygen/Propane
- ◇ Unrivalled Flame Control
- ◇ Neck Can Be Fully Rotated
- ◇ Fully UK Tested Product



Part Number	Description
GAS2012	Model O Lead Burning Kit C/W 5 Tips
GAS5177	Model O Lead Burning Torch
GAS2013	Model O Tip No.1
GAS2014	Model O Tip No.2
GAS2015	Model O Tip No.3
GAS2016	Model O Tip No.4
GAS2017	Model O Tip No.5
GAS2018	Model O Replacement Neck

# Gas Hose & Accessories



## Fitted Hose Sets



### 6mm Hose Sets - 1/4 Hose Check Valve

Part Number	Description
GAS4000	6mm x 5 Metre Fitted Oxygen Hose 1/4 BSP H-C-V
GAS4001	6mm x 10 Metre Fitted Oxygen Hose 1/4 BSP H-C-V
GAS4002	6mm x 15 Metre Fitted Oxygen Hose 1/4 BSP H-C-V
GAS4003	6mm x 20 Metre Fitted Oxygen Hose 1/4 BSP H-C-V
GAS4068	6mm x 30 Metre Fitted Oxygen Hose 1/4 BSP H-C-V
GAS4004	6mm x 5 Metre Fitted Acetylene Hose 1/4 BSP H-C-V
GAS4005	6mm x 10 Metre Fitted Acetylene Hose 1/4 BSP H-C-V
GAS4006	6mm x 15 Metre Fitted Acetylene Hose 1/4 BSP H-C-V
GAS4007	6mm x 20 Metre Fitted Acetylene Hose 1/4 BSP H-C-V
GAS4064	6mm x 30 Metre Fitted Acetylene Hose 1/4 BSP H-C-V
GAS4008	6mm x 5 Metre Fitted Propane Hose 1/4 BSP H-C-V
GAS4009	6mm x 10 Metre Fitted Propane Hose 1/4 BSP H-C-V
GAS4010	6mm x 15 Metre Fitted Propane Hose 1/4 BSP H-C-V
GAS4011	6mm x 20 Metre Fitted Propane Hose 1/4 BSP H-C-V
GAS4069	6mm x 30 Metre Fitted Propane Hose 1/4 BSP H-C-V

### 6mm Hose Sets - 3/8 Hose Check Valve

Part Number	Description
GAS4012	6mm x 5 Metre Fitted Oxygen Hose 3/8 BSP H-C-V
GAS4013	6mm x 10 Metre Fitted Oxygen Hose 3/8 BSP H-C-V
GAS4014	6mm x 15 Metre Fitted Oxygen Hose 3/8 BSP H-C-V
GAS4015	6mm x 20 Metre Fitted Oxygen Hose 3/8 BSP H-C-V
GAS4016	6mm x 30 Metre Fitted Oxygen Hose 3/8 BSP H-C-V
GAS4017	6mm x 5 Metre Fitted Acetylene Hose 3/8 BSP H-C-V
GAS4018	6mm x 10 Metre Fitted Acetylene Hose 3/8 BSP H-C-V
GAS4019	6mm x 15 Metre Fitted Acetylene Hose 3/8 BSP H-C-V
GAS4020	6mm x 20 Metre Fitted Acetylene Hose 3/8 BSP H-C-V
GAS4021	6mm x 30 Metre Fitted Acetylene Hose 3/8 BSP H-C-V
GAS4022	6mm x 5 Metre Fitted Propane Hose 3/8 BSP H-C-V
GAS4023	6mm x 10 Metre Fitted Propane Hose 3/8 BSP H-C-V
GAS4024	6mm x 15 Metre Fitted Propane Hose 3/8 BSP H-C-V
GAS4025	6mm x 20 Metre Fitted Propane Hose 3/8 BSP H-C-V
GAS4026	6mm x 30 Metre Fitted Propane Hose 3/8 BSP H-C-V

# Gas Hose & Accessories



## Fitted Hose Sets



### 8mm Hose Sets - 3/8 Hose Check Valve

Part Number	Description
GAS4027	8mm x 5 Metre Fitted Oxygen Hose 3/8 BSP H-C-V
GAS4028	8mm x 10 Metre Fitted Oxygen Hose 3/8 BSP H-C-V
GAS4029	8mm x 15 Metre Fitted Oxygen Hose 3/8 BSP H-C-V
GAS4030	8mm x 20 Metre Fitted Oxygen Hose 3/8 BSP H-C-V
GAS4031	8mm x 30 Metre Fitted Oxygen Hose 3/8 BSP H-C-V
GAS4032	8mm x 5 Metre Fitted Acetylene Hose 3/8 BSP H-C-V
GAS4033	8mm x 10 Metre Fitted Acetylene Hose 3/8 BSP H-C-V
GAS4034	8mm x 15 Metre Fitted Acetylene Hose 3/8 BSP H-C-V
GAS4035	8mm x 20 Metre Fitted Acetylene Hose 3/8 BSP H-C-V
GAS4036	8mm x 30 Metre Fitted Acetylene Hose 3/8 BSP H-C-V
GAS5300	8mm x 5 Metre Fitted Propane Hose 3/8 BSP H-C-V
GAS5301	8mm x 10 Metre Fitted Propane Hose 3/8 BSP H-C-V
GAS5302	8mm x 15 Metre Fitted Propane Hose 3/8 BSP H-C-V
GAS5303	8mm x 20 Metre Fitted Propane Hose 3/8 BSP H-C-V
GAS5304	8mm x 30 Metre Fitted Propane Hose 3/8 BSP H-C-V

### 10mm Hose Sets - 3/8 Hose Check Valve

Part Number	Description
GAS4037	10mm x 5 Metre Fitted Oxygen Hose 3/8 BSP H-C-V
GAS4038	10mm x 10 Metre Fitted Oxygen Hose 3/8 BSP H-C-V
GAS4039	10mm x 15 Metre Fitted Oxygen Hose 3/8 BSP H-C-V
GAS4040	10mm x 20 Metre Fitted Oxygen Hose 3/8 BSP H-C-V
GAS4041	10mm x 30 Metre Fitted Oxygen Hose 3/8 BSP H-C-V
GAS4070	10mm x 50 Metre Fitted Oxygen Hose 3/8 BSP H-C-V
GAS4042	10mm x 5 Metre Fitted Acetylene Hose 3/8 BSP H-C-V
GAS4043	10mm x 10 Metre Fitted Acetylene Hose 3/8 BSP H-C-V
GAS4044	10mm x 15 Metre Fitted Acetylene Hose 3/8 BSP H-C-V
GAS4045	10mm x 20 Metre Fitted Acetylene Hose 3/8 BSP H-C-V
GAS4046	10mm x 30 Metre Fitted Acetylene Hose 3/8 BSP H-C-V
GAS4071	10mm x 50 Metre Fitted Acetylene Hose 3/8 BSP H-C-V
GAS4047	10mm x 5 Metre Fitted Propane Hose 3/8 BSP H-C-V
GAS4048	10mm x 10 Metre Fitted Propane Hose 3/8 BSP H-C-V
GAS4049	10mm x 15 Metre Fitted Propane Hose 3/8 BSP H-C-V
GAS4050	10mm x 20 Metre Fitted Propane Hose 3/8 BSP H-C-V
GAS4051	10mm x 30 Metre Fitted Propane Hose 3/8 BSP H-C-V
GAS4072	10mm x 50 Metre Fitted Propane Hose 3/8 BSP H-C-V

# Gas Hose & Accessories



## Twin Hose Sets

Part Number	Description
GAS5351	6mm x 5 Metre Fitted Twin Oxygen/Acetylene Hose 1/4 BSP H-C-V
GAS5352	6mm x 10 Metre Fitted Twin Oxygen/Acetylene Hose 1/4 BSP H-C-V
GAS5353	6mm x 15 Metre Fitted Twin Oxygen/Acetylene Hose 1/4 BSP H-C-V
GAS5354	6mm x 20 Metre Fitted Twin Oxygen/Acetylene Hose 1/4 BSP H-C-V
GAS5355	6mm x 5 Metre Fitted Twin Oxygen/Acetylene Hose 3/8 BSP H-C-V
GAS5356	6mm x 10 Metre Fitted Twin Oxygen/Acetylene Hose 3/8 BSP H-C-V
GAS5357	6mm x 15 Metre Fitted Twin Oxygen/Acetylene Hose 3/8 BSP H-C-V
GAS5358	6mm x 20 Metre Fitted Twin Oxygen/Acetylene Hose 3/8 BSP H-C-V
GAS3079	10mm x 5 Metre Fitted Twin Oxygen/Acetylene Hose 3/8 BSP H-C-V
GAS3080	10mm x 10 Metre Fitted Twin Oxygen/Acetylene Hose 3/8 BSP H-C-V
GAS3081	10mm x 15 Metre Fitted Twin Oxygen/Acetylene Hose 3/8 BSP H-C-V
GAS3082	10mm x 20 Metre Fitted Twin Oxygen/Acetylene Hose 3/8 BSP H-C-V
GAS3083	10mm x 30 Metre Fitted Twin Oxygen/Acetylene Hose 3/8 BSP H-C-V
GAS3084	10mm x 50 Metre Fitted Twin Oxygen/Acetylene Hose 3/8 BSP H-C-V
GAS3065	10mm x 5 Metre Fitted Twin Oxygen/Propane Hose 3/8 BSP H-C-V
GAS3066	10mm x 10 Metre Fitted Twin Oxygen/Propane Hose 3/8 BSP H-C-V
GAS3067	10mm x 15 Metre Fitted Twin Oxygen/Propane Hose 3/8 BSP H-C-V
GAS3068	10mm x 20 Metre Fitted Twin Oxygen/Propane Hose 3/8 BSP H-C-V
GAS3069	10mm x 30 Metre Fitted Twin Oxygen/Propane Hose 3/8 BSP H-C-V
GAS3070	10mm x 50 Metre Fitted Twin Oxygen/Propane Hose 3/8 BSP H-C-V

## Twin Hose Sets & Unfitted Hose



## Unfitted Hose

Part Number	Description
GAS4055	6mm x 100 Metre Oxygen Hose
GAS4056	8mm x 100 Metre Oxygen Hose
GAS4057	10mm x 100 Metre Oxygen Hose
GAS4052	6mm x 100 Metre Acetylene Hose
GAS4053	8mm x 100 Metre Acetylene Hose
GAS4054	10mm x 100 Metre Acetylene Hose
GAS4058	6mm x 100 Metre Propane Hose
GAS4059	8mm x 100 Metre Propane Hose
GAS4060	10mm x 100 Metre Propane Hose
GAS3064	3/16 x 100 Metre Inert Gas Hose
GAS4061	6mm x 100 Metre Inert Gas Hose
GAS4063	10mm x 100 Metre Inert Gas Hose
GAS3077	6mm x 50 Metre Twin Oxygen/Acetylene
GAS3062	10mm x 50 Metre Twin Oxygen/Acetylene
GAS3063	10mm x 50 Metre Twin Oxygen/Propane

# Gas Hose & Accessories



## Heavy Duty Hose Sets

The range of heavy duty welding hose is designed for the transport of oxygen, acetylene, propane and inert gases. The products are designed with a much superior wall thickness than other products on the market enabling them to be used in much more critical applications, where quality and integrity is essential.

The hose meets the latest regulations of the ISO 3821 standard and our assemblies meet the required standard therefore offering the highest possible safety. The excellent quality is why the hose has been most popular and used for decades in foundries, shipyards, steel works, for car body construction, in welding shops and for the construction of bridges.

The hose is available on its own or in assemblies of either 5, 10 or 20 metres normally completed with check valves, BSP females and swage rings however any combination of fittings can normally be achieved to suit requirements.

Part Number	Description
GAS5667	10mm x 5 Metre Heavy Duty Fitted Oxygen Hose
GAS5668	10mm x 10 Metre Heavy Duty Fitted Oxygen Hose
GAS5669	10mm x 20 Metre Heavy Duty Fitted Oxygen Hose
GAS5670	10mm x 5 Metre Heavy Duty Fitted Acetylene Hose
GAS5671	10mm x 10 Metre Heavy Duty Fitted Acetylene Hose
GAS5672	10mm x 20 Metre Heavy Duty Fitted Acetylene Hose
GAS5673	10mm x 5 Metre Heavy Duty Fitted Propane Hose
GAS5674	10mm x 10 Metre Heavy Duty Fitted Propane Hose
GAS5675	10mm x 20 Metre Heavy Duty Fitted Propane Hose



# Gas Hose & Accessories



Hose Clips



GAS5146



GAS5043 & GAS5044

Hose Accessories

Part Number	Description
GAS5146	Hose Safety Clip 10mm ID Hose
GAS5043	Butterfly Hose Clip 13-13mm
GAS5044	Butterfly Hose Clip 16-16mm

Part Number	Description
GAS5042	O Clip Plier



2 Eared O Clip

Part Number	Description
GAS5030	Oetiker 5/16" (7-9mm) 2 Eared O Clip
GAS5031	Oetiker 3/8" (8-11mm) 2 Eared O Clip
GAS5032	Oetiker 1/2" (10.8-13mm) 2 Eared O Clip
GAS5033	Oetiker 9/16" (12.5-15mm) 2 Eared O Clip
GAS5034	Oetiker 5/8" (15-18mm) 2 Eared O Clip
GAS5035	Oetiker 3/4" (17-20mm) 2 Eared O Clip
GAS5036	Oetiker 7/8" (20-23mm) 2 Eared O Clip

Part Number	Description
GAS5037	7.5mm Oetiker Single Eared O Clip
GAS5038	8.7mm Oetiker Single Eared O Clip
GAS5039	9.5mm Oetiker Single Eared O Clip
GAS5040	10.5mm Oetiker Single Eared O Clip
GAS5041	12.8mm Oetiker Single Eared O Clip

Single Eared O Clip



# Gas Hose & Accessories



Brass Hose Fittings

## Hose Accessories



Part Number	Description
<b>Gas Nuts</b>	
GAS5013	1/4 Right Hand Gas Nut
GAS5014	1/4 Left Hand Gas Nut
GAS5015	3/8 Right Hand Gas Nut
GAS5016	3/8 Left Hand Gas Nut



Part Number	Description
<b>Hose Splicers</b>	
GAS5045	3/16 Splicer
GAS5017	1/4 Splicer
GAS5018	5/16 Splicer
GAS5019	3/8 Splicer

Part Number	Description
<b>Hose Check Valves</b>	
GAS5000	1/4 x 1/4 Right Hand Hose Check Valve
GAS5001	1/4 x 1/4 Left Hand Hose Check Valve
GAS5002	1/4 x 3/8 Right Hand Hose Check Valve
GAS5003	1/4 x 3/8 Left Hand Hose Check Valve
GAS5004	5/16 x 3/8 Right Hand Hose Check Valve
GAS5005	5/16 x 3/8 Left Hand Hose Check Valve
GAS5006	3/8 x 3/8 Right Hand Hose Check Valve
GAS5007	3/8 x 3/8 Left Hand Hose Check Valve



Part Number	Description
<b>Hose Tails</b>	
GAS5008	1/4 x 1/4 Hose Tail
GAS5009	3/16 x 3/8 Hose Tail
GAS5010	1/4 x 3/8 Hose Tail
GAS5011	5/16 x 3/8 Hose Tail
GAS5012	3/8 x 3/8 Hose Tail
GAS5099	3/16 x 1/4 Hose Tail

# Gas Hoses & Accessories



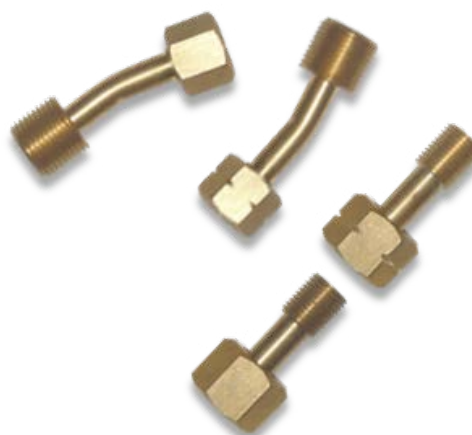
## Hose Accessories

### Brass Hose Fittings



Part Number	Description
<b>Gas Couplers</b>	
GAS5020	1/4 x 1/4 Right Hand Coupler
GAS5021	1/4 x 1/4 Left Hand Coupler
GAS5022	1/4 x 3/8 Right Hand Coupler
GAS5023	1/4 x 3/8 Left Hand Coupler
GAS5024	3/8 x 3/8 Right Hand Coupler
GAS5025	3/8 x 3/8 Left Hand Coupler

Part Number	Description
<b>Adaptors</b>	
GAS5026	Straight Adaptor 3/8 (F) x 1/4 Right Hand (M)
GAS5027	Straight Adaptor 3/8 (F) x 1/4 Left Hand (M)
GAS5028	Bent Adaptor 1/4 (F) x 3/8 Right Hand (M)
GAS5029	Bent Adaptor 1/4 (F) x 3/8 Left Hand (M)



Part Number	Description
<b>Hose Reel</b>	
GAS5047	Gas Hose Reel
	*Suitable For Up To 20 Metre 1/4 Bore Hoses Or 15 Metre 3/8 Bore Hoses*
GAS5057	Wall Mount Swivel Bracket

# Gas Hoses & Accessories

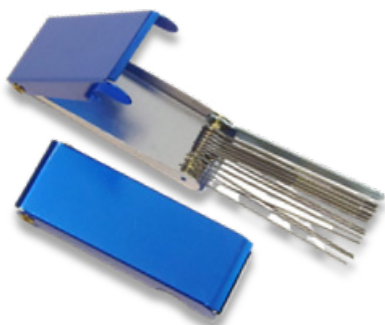


## Accessories



Part Number	Description
<b>Combination Spanners</b>	
GAS5060	Combination Spanner UK Type 21mm - 28mm
GAS5061	Combination Spanner EU Type 19mm - 28mm

Part Number	Description
<b>Spindle Key</b>	
GAS5062	Drop Forged Spindle Key



Part Number	Description
<b>Cleaner Set</b>	
GAS3022	Nozzle Cleaner Set

Part Number	Description
<b>Pistol Lighter</b>	
GAS5050	Pistol Lighter



# Gas Hoses & Accessories



## Accessories



Part Number	Description
<b>Spark Lighters</b>	
GAS5052	Triple Flint Spark Lighter
GAS5054	Cup Type Spark Lighter

Part Number	Description
<b>Lighter Renewals</b>	
GAS5051	Pistol Type Flint Renewal (PKT 10)
GAS5053	Triple Flint Renewal
GAS5055	Cup Type Flint Renewals (PKT 10)

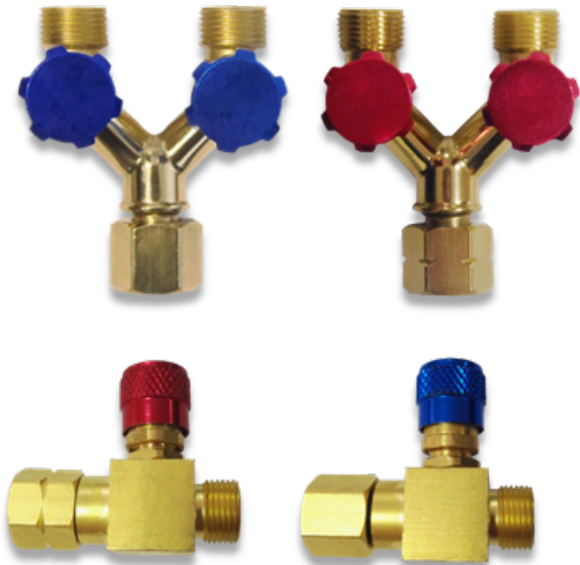


Part Number	Description
<b>Piezo Lighter</b>	
GAS5056	Stainless Steel Piezo Lighter

# Gas Hoses & Accessories



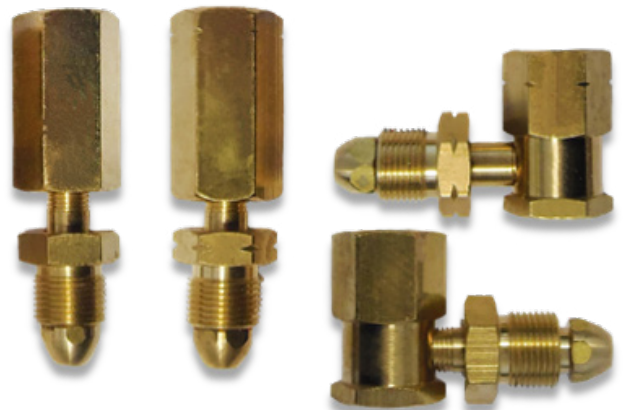
Outlet Valves



Part Number	Description
<b>Outlet Valves</b>	
GAS1006	Twin Outlet Valve Right Hand
GAS1007	Twin Outlet Valve Left Hand
GAS0999	Single Outlet Valve Right Hand
GAS1000	Single Outlet Valve Left Hand

Part Number	Description
<b>Cylinder Extensions</b>	
GAS1001	180° Right Hand Cylinder Extension
GAS1002	180° Left Hand Cylinder Extension
GAS1003	90° Right Hand Cylinder Extension
GAS1004	90° Left Hand Cylinder Extension

Cylinder Extension



Cylinder Adaptors

GAS1005

GAS1019

GAS1020



Part Number	Description
<b>Cylinder Adaptors</b>	
GAS1005	Argon To Co2 Cylinder Adaptor
GAS1019	Co2 To Argon Cylinder Adaptor
GAS1020	PDL To BS341 No.4 Cylinder Adaptor

# Cylinder Handling & Storage



## Cylinder Trolleys



Part Number	Description
WG2001	Solid Tyre Extending Handle Oxygen/Acetylene Cylinder Trolley



Part Number	Description
WG1269	Solid Tyre Portapack Type Oxygen/Acetylene Cylinder Trolley



Part Number	Description
WG1279	Solid Tyre Y-Type Oxygen/Acetylene Cylinder Trolley



Part Number	Description
WG2000	Solid Tyre Heavy Duty Single Oxygen/Acetylene Cylinder Trolley



Part Number	Description
WG1271	Solid Tyre Single Oxygen/Acetylene Cylinder Trolley



Part Number	Description
WG1270	Solid Tyre Single Propane Cylinder Trolley



Part Number	Description
WG2003	Solid Tyre Heavy Duty Oxygen/Acetylene Midi-Flame Pack Cylinder Trolley



Part Number	Description
WG2002	Solid Tyre Heavy Duty Oxygen/Acetylene Cylinder Trolley

# Cylinder Handling & Storage



## Cylinder Trolleys



Part Number	Description
WG1267	Solid Tyre Oxygen/Acetylene Cylinder Trolley



Part Number	Description
WG1268	Solid Tyre Oxygen/Propane Cylinder Trolley



Part Number	Description
WG1274	Solid Tyre 3 Wheel Oxygen/Acetylene Cylinder Trolley



Part Number	Description
WG1274P	Solid Tyre 3 Wheel Oxygen/Propane Cylinder Trolley



Part Number	Description
WG1273	16" Pneumatic Tyre Oxygen/Acetylene Cylinder Trolley



Part Number	Description
WG1275	16" Pneumatic Tyre Oxygen/Propane Cylinder Trolley

# Cylinder Handling & Storage

## Cylinder Cages & Wall Brackets



\*International Global Patent PCT / GB2016/052623 Copyright © Reflex



### Expanding Cylinder Cages

Part Number	Description
KBCC08	Cylinder Cage x 2 47KG Propane Cylinders (140cm (H) x 41-77.5cm (W) x 39cm (D))
KBCC09	Cylinder Cage x 2 19KG Propane Cylinders (95cm (H) x 41-77.5cm (W) x 39cm (D))
KBCC10	Cylinder Cage x 4 19KG Propane Cylinders (140cm (H) x 43-77.5cm (W) x 80cm (D))
KBCC11	Cylinder Cage x 6 Size W Cylinders Oxygen/Inert Gas/Hydrogen (170cm (H) x 41-77.5cm (W) x 55.5cm (D))
KBCC12	Cylinder Cage x 2 Size H Acetylene Cylinders (140cm (H) x 41-77.5cm (W) x 39cm (D))
KBCC13	Cylinder Cage x 3 Acetylene Size A & J/x 8 Acetylene Size M & K/x 10 Hydrogen Size B Cylinders (95cm (H) x 41-77.5cm (W) x 39cm (D))
KBCC14	Cylinder Cage x 12 19KG Propane (123cm (H) x 112-200cm (W) x 78.5cm (D))
KBCC15	Cylinder Cage x 1 Oxygen Size W/x 1 Propane Size E (170cm (H) x 41-77.5cm (W) x 55.5cm (D))

### Wall Brackets

Part Number	Description
WG1281	
WG1282	Single Cylinder Wall Bracket - Propane
WG1283	Twin Cylinder Wall Bracket - Oxygen, Inert Gas, Acetylene
WG1284	Twin Cylinder Wall Bracket - Oxygen & Propane
WG1285	Twin Cylinder Wall Bracket - Propane
WG1286	3 - Way Cylinder Wall Bracket - Oxygen, Inert Gas, Acetylene
WG1287	3 - Way Cylinder Wall Bracket - Propane

# Thermic Lancing

## Lance Holders & Accessories



A thermic lance, is a tool that heats and melts steel in the presence of pressurised oxygen to create very high temperatures for cutting. It consists of a long steel tube packed with alloy steel rods, sometimes mixed with aluminium rods to increase the heat output. One end of the tube is placed in a holder and oxygen is fed through the tube.

The far end of the tube is pre-heated and lit by an oxy/acetylene torch. An intense stream of burning steel is produced at the working end and can be used to cut rapidly through thick materials, including steel and concrete. The tube is consumed by the process within a few minutes.

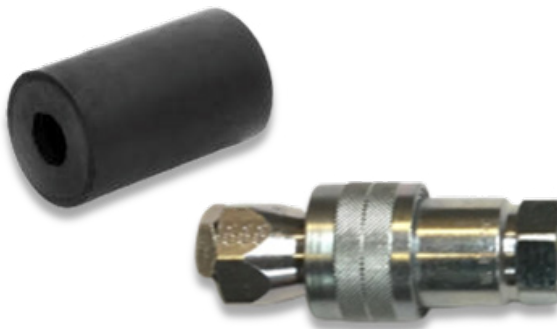
Often used as a heavy duty demolition tool, the thermic lance is also used to remove seized axles of heavy machinery without damaging the bearings or axle housing. This technique is often used on the pins and axles of large equipment such as cranes, ships and bridges.



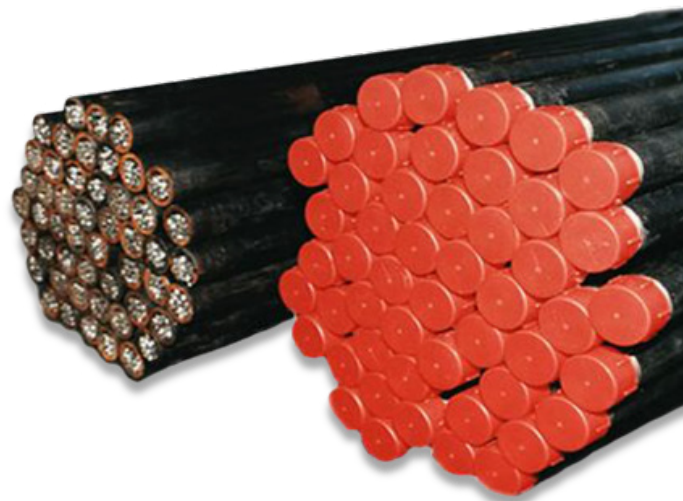
Part Number	Description
GAS2200	Compression Thermic Lance Holder



Part Number	Description
GAS2203	Quick Release Thermic Lance Holder



Part Number	Description
GAS2204	Compression Lance Holder Replacement Sleeve
GAS2206	3/8 Quick Release Adaptor



Part Number	Description
GAS2205	3/8 Thermic Lance Screwed & Socketed

# Purging Equipment



## Rapid Purge System

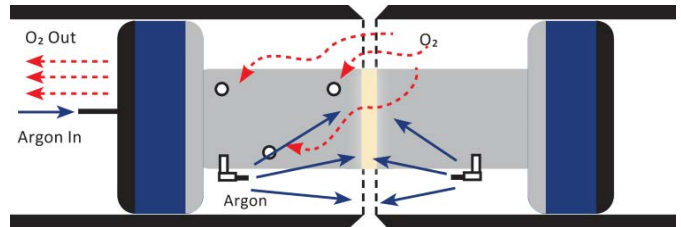
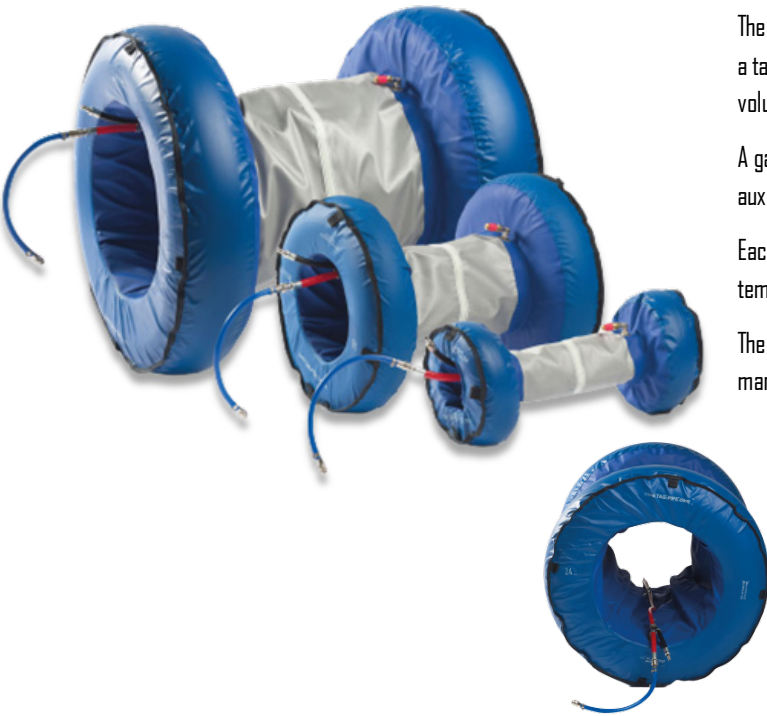
### How it Works:

The Rapid Purge™ Inflatable Pipe Purging Systems for pipe and vessel purging comprises of a tandem inflatable dam system connected by an umbilical hose and collar to reduce the volume being purged.

A gas exhaust valve is installed between the primary and secondary dam, along with an auxiliary argon purge line.

Each Rapid Purge™ System is covered with the heat protective material, so the higher temperatures closer to the weld do not damage the system.

The robust design of the Rapid Purge™ Inflatable Pipe Weld Purging Systems allows for many years of repeatable trouble free use.



### Features & Advantages:

- ◇ Typical Purge Times Of Less Than 10 Minutes!!!
- ◇ The Unique "Thru-Bore" Design Of The Central Sleeve Minimises The Area To Be Purged, Dramatically Reducing The Volume Of Gas Required
- ◇ Friction Free Coatings Allow Easy Movement Through Pipes From One Joint To Another, Even Around Bends And Elbows
- ◇ Ready To Use, Connects To A Dedicated And Regulated Gas Supply. Choose Any Flow Rate Up To 80L/Min. Through The Twin Pre-Set Purge Valve
- ◇ A Central (Glow In The Dark) Strip Allows Fast And Accurate Alignment Of The System To The Centre-Point Of The Weld Area
- ◇ The Inflatable Dams And Umbilical Hose Are Covered With A Heat Resistant Material And Insulated Accordingly For Use At Temperatures Up To 250°C

Part Number	Description
GAS5676	Rapid Purge System - Inflatable Pipe Purging System 190-215mm 8"
GAS5677	Rapid Purge System - Inflatable Pipe Purging System 242-267mm 10"
GAS5678	Rapid Purge System - Inflatable Pipe Purging System 291-316mm 12"
GAS5679	Rapid Purge System - Inflatable Pipe Purging System 318-343mm 14"
GAS5680	Rapid Purge System - Inflatable Pipe Purging System 369-394mm 16"
GAS5681	Rapid Purge System - Inflatable Pipe Purging System 420-445mm 18"
GAS5682	Rapid Purge System - Inflatable Pipe Purging System 471-496mm 20"
GAS5683	Rapid Purge System - Inflatable Pipe Purging System 553-577mm 22"
GAS5684	Rapid Purge System - Inflatable Pipe Purging System 572-597mm 24"

# Purging Equipment



## Inflatable Purge Bag System

### How it Works:

The PPM Purge Bag Systems in the range are designed around the principle of using 2 dams to create a seal either side of the weld, just far enough from the weld not to be effected by the heat but close enough to the joint to provide the fastest weld purge time, these dams are connected by an armoured spinal tube.

Once ready to start purging, the system is inserted into the bore of the pipe using the luminous strip to centre the system to the weld gap.

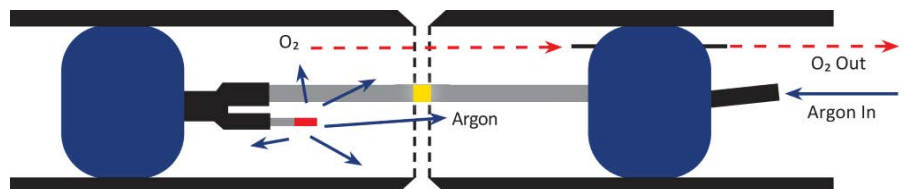
When the gas flow is started, the dams inflate and, upon reaching the pre-set pressure, the valve releases the gas gently into the weld chamber to purge the interspace without turbulence.

The oxygen is removed from the weld chamber through the integral exhaust tubes in the bags.

Used in conjunction with the PPM oxygen monitors to indicate when the require low level of oxygen has been reached, welding can then commence, with the inert gas enabling the welder to produce an even, oxidation free penetration weld bead.

Afterwards, the dams are deflated simply by disconnecting the purge gas feed and the system easily withdrawn.

The design of these systems means the only one gas connection is required for both dam inflation and weld purging.



### Features & Advantages:

- ◇ PPM Inflatable Pipe Purging Systems Dramatically Reduce Purging Times Leading To Significant Savings In Labour Costs
- ◇ Typical Purge Times For 4" Pipe = 1½ Mins; 8" Pipe = 4 Mins; 12" Pipe = 8 Mins
- ◇ Ready To Use, Connects To A Dedicated And Regulated Gas Supply. Choose Any Flow Rate Up To 20L/min. Through The Pre-Set Purge Valve
- ◇ Gas Pressure Control Ensures An Even Positive Root Bead With No Notching
- ◇ Quick And Easy To Install Simplifying The Process Of Inert Gas Purging
- ◇ Heat Resistant Up To 70°C Continuously
- ◇ Use Less Inert Gas. The Volume Of Purge Gas Used Is Less Than 2% Of That Required For A Conventional Purge

Part Number	Description
GAS5685	Inflatable Pipe Double Purge Bag System 44-57mm 2"
GAS5686	Inflatable Pipe Double Purge Bag System 58-84mm 3"
GAS5687	Inflatable Pipe Double Purge Bag System 80-110mm 4"
GAS5688	Inflatable Pipe Double Purge Bag System 103-135mm 5"
GAS5689	Inflatable Pipe Double Purge Bag System 124-162mm 6"

# Purging Equipment



## Double Sealing Kits

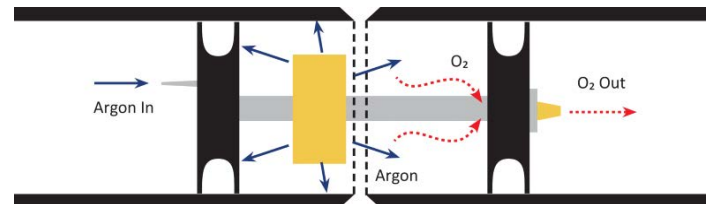


### How It Works:

The gas inlet and outlet are provided with twin sealing discs separated by a flexible, rigid or a spring-type tube. The design also guarantees that at least one disc will always remain tight to the pipe wall creating a 100% seal.

The discs are UV and temperature-resistant up to 330°C for up to one hour. The gas is diffused into the chamber via the built in sintered diffuser and exists through the exhaust holes in the secondary twin disc unit. This process of gas diffusion provides even flow of gas and prevents any gas turbulence behind the weld, thereby minimising the risk of oxygen in the welding chamber while, at the same time, achieving an extremely short purge time.

These extremely short purge times result in valuable cost savings in gas and time. Besides the very short purging time, the silicon seal system also offers the possibility to cover various nominal pipe diameters by one pair of baffles enabling highly economic use of the device. The double seal system can be purchased individually or in kit form for a range of pipe diameters.



### Features & Advantages:

- ◇ Typical Purge Times Of Less Than 2 Minutes (e.g. An 8" Pipe Will Purge To Below 0.01% Oxygen In Less Than 2 Minutes)
- ◇ High Quality Silicon Sealing Disks That Prevent Them Tilting Or Falling Over Inside The Pipe
- ◇ Guaranteed Gas Tight Seal
- ◇ UV And Temperature Resistant Up To 330°C Continuously Or 450°C For Short Periods
- ◇ Suitable For Purging Pipes, Elbows And Fittings
- ◇ The Silicon Seal Units Can Be Separated And Used As A Gas Finger And Pipe Stopper Respectively

Part Number	Description
GAS5690	Double Seal Purge Kit 16-220mm 0.5-8"
GAS5691	Double Seal Purge Kit 16-320mm 0.5-12"

# Purging Equipment



## Weld-Purge Monitors



Part Number	Description
GAS5692	Handy Purge 100SC Weld Purge Monitor 100ppm

### Key Features:

- ◇ Self Calibrating
- ◇ Minimum Waiting Time. The Device Tells You Exactly When The Residual Oxygen Concentration Of A Purge Gas Is Low Enough To Start Welding. You Need No Longer Rely On Rough Estimations. This Saves Both Time And Gas
- ◇ Reduced Purge Gas Consumption. Exact Monitoring Of The Residual Oxygen Avoids Unnecessary Purge Gas Consumption And Allows You To Produce Oxygen-Free Weld Seams
- ◇ Top-Quality Weld Seams
- ◇ Top Quality Is Guaranteed, As Too Early Welding And Hence Porous, Coloured Or Even Charred Weld Seams Can Be Avoided
- ◇ Duplex/Stainless Steel. The Handy Purge Weld Purge Monitor Can Be Used For All Stainless Steel, Duplex And Certain Titanium Welding Applications
- ◇ Eliminates Guess Work

### Key Features:

- ◇ Measures Oxygen Levels Down To 5ppm (Parts Per Million)
- ◇ Rechargeable Batteries, Standby Life Approx. 4hrs
- ◇ Temperature Regulated Zirconium Cell (Maintenance Free)
- ◇ Graphic Display Screen Changes Colour Relative To Process And Function
- ◇ Built-In Recognition For 110V - 240V Power Sources
- ◇ Portable For Remote And Difficult Access Sites Using Rechargeable Batteries (Supplied)
- ◇ Integrated Programmable Sound Function
- ◇ Multi Language: English, French, German
- ◇ Low Permeability Measuring Hose For Accurate Measurements
- ◇ Data Logging Of Up To 250 Entries - Connects Via RS 232 Interface Or Bluetooth



Part Number	Description
GAS5693	Handy Purge Pro 5 Weld Purge Monitor 5ppm

# Portable Cutting Machines & Accessories

## Straight Line Cutting

### Key Features:

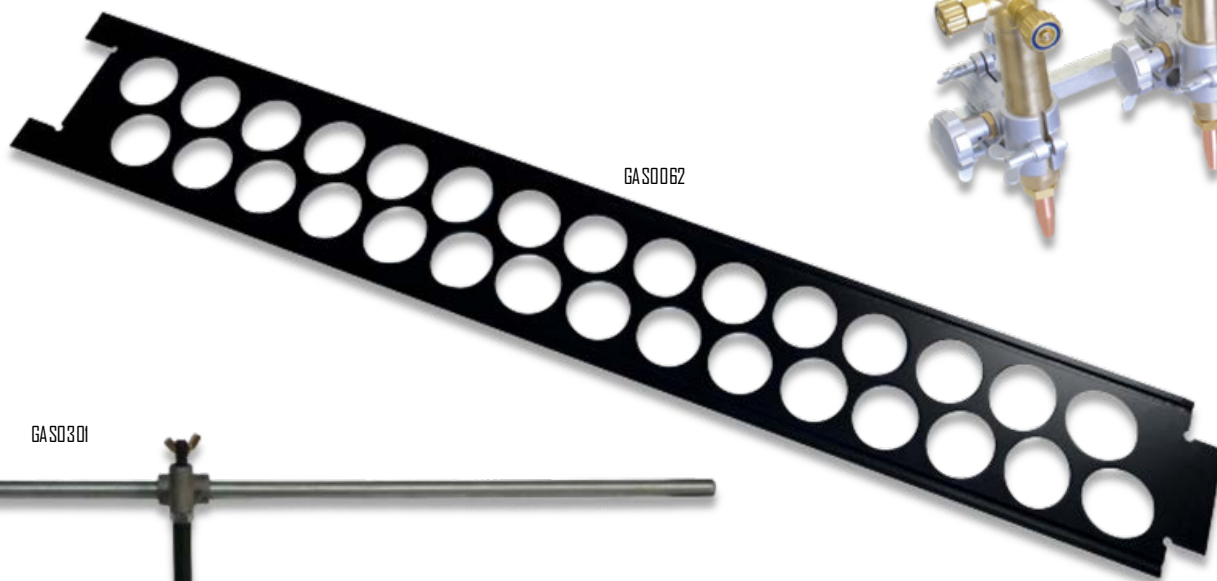
- ◇ Lightweight, Compact Design Allows Easy One Handed Manipulation
- ◇ Quick, Easy Installation And Operation
- ◇ Nozzle Mix Torch Design As Standard
- ◇ Ready To Use Machine Complete With 1.8 Metre Guide Track
- ◇ Standard One Torch Setup Can be Simply Converted To Two Torch Cutting System With Additional Accessories
- ◇ Unique Drive System Allows Constant And Precise Cutting Speed
- ◇ Multi-Fuel Gas Service
- ◇ Precise Torch Position Adjustment Allowing For Straight And Bevel Cutting



GAS0067



GAS0062



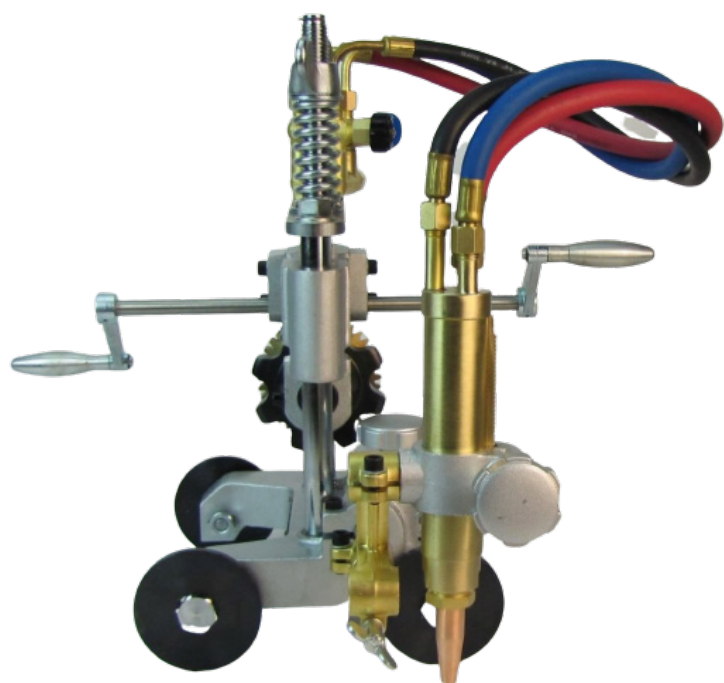
GAS0301



Part Number	Description
GAS0060	110V Trac-Cut Straight Line Cutting Machine C/W x 3 Cutting Nozzles & 1.8 Metre Track
GAS0062	1.8 Metre Track
GAS0067	Twin Torch Kit
GAS0301	Trac-Cut Circle Cutting Attachment

# Portable Cutting Machines & Accessories

## Pipe Cutting



### Key Features:

- ◇ Lightweight, Compact Design Allows Easy One Handed Manipulation
- ◇ Quick, Easy Installation And Operation
- ◇ Multi-Fuel Gas Service
- ◇ Precise Torch Position Adjustment Allowing For Straight And Bevel Cutting
- ◇ Provides Smooth And Accurate Cutting Action By Incorporating A Low Gear Ratio And Worm And Wheel Drive
- ◇ 5-50mm Cut Capability On Thick Wall Pipe With 102-600mm Diameter
- ◇ Comes Complete With Cutting Nozzles And 2.4 Metre Guide Chain



Part Number	Description
GAS0065	Manual Drive Gas Pipe Cutting Machine C/W 2.4 Metre Chain
GAS0066	2.4 Metre Chain

# Disposable Gas & Accessories

## Mini MIG



Part Number	Description
GAS0029	Mini MIG Premium Inert Gas Regulator **Full Specification See Page 22**



Part Number	Description
GAS0050	Mini MIG Eco Inert Gas Regulator **Full Specification See Page 22**



Part Number	Description
GAS0030	Disposable Co2 Cylinder



Part Number	Description
GAS0031	Disposable Argon Cylinder



Part Number	Description
GAS0032	Disposable Argon/Co2 Cylinder



Part Number	Description
GAS0051	Mini MIG Adaptor



Part Number	Description
GAS0052	Mini MIG Gas Adaptor c/w 1.5 Metre Hose

# CP7 Gas Inspection Course

## Course Details



### Oxy Fuel Gas Equipment Inspectors (BCGA CP7 & CP47) Course

The Weldfast (UK) Ltd Gas Inspectors Course is an intense two-day course covering all aspects of the gas inspections in accordance with the British Compressed Gas Association (BCGA) Code of Practice 7 & 47. It is recommended that potential inspectors have some prior knowledge of gas equipment prior to starting the course.

Once certified, all gas inspectors receive an inspector's identity card, an inspection folder and a gas inspection toolbox. We recommend that inspectors re-qualify to keep updated with all current UK Codes of Practice and the gas equipment manufacturing standards. The re-certification course is a one-day course.

### Oxy Fuel Gas Safety Awareness Course

The gas safety awareness course is a one day course ensuring that users of gas equipment meet their obligation in respect of the Health & Safety at Work Act 1974, Provision & Use of Work Equipment Regulations 1998 And British Compressed Gas Association (BCGA) Code Of Practice 7 & 47.

The package includes both classroom and workshop based training which incorporates:

#### **Theory Session**

Legislation & codes of practise, PPE & safety, gas properties & hazards, gas equipment and it's ancillaries.

#### **Practical Session**

Before use checks, assembly of the equipment, setting up, lighting, emergency procedures and closing down procedures.

#### **Delivery & Assessment**

This course combines theory & practical elements, and is assessed through written questions and practical demonstrations. On completion of this training, all those that meet the correct criteria receive a certificate of attendance that is valid for three years.



Part Number	Description
GAS5152	CP7 Gas Test Kit



# **WELDFAST**

**UK LTD**

Parkhouse Industrial Estate, Speedwell Road

Newcastle-Under-Lyme

ST5 7RG

01782 566553 [sales@weldfastuk.co.uk](mailto:sales@weldfastuk.co.uk)

