



SuperFlash[®]

COMPRESSED GAS EQUIPMENT

REFERENCE CATALOG

Fourth Edition



IBEDA[®]

CERTIFIED SAFETY.
Worldwide!



4th Edition SuperFlash Compressed Gas Catalog



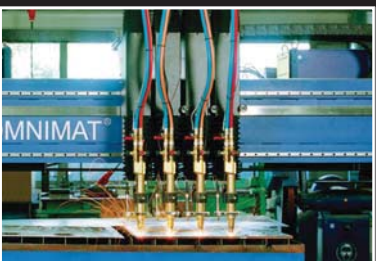
Western Hemisphere HQ, Westlake, Ohio, U.S.A.



Eastern Hemisphere HQ, Neustadt/Wied, Germany



CNC Machining Center, Buehlinger, Germany



On site installation and training is available at nominal cost. Just add OF-1002 to your order.

WELCOME TO THE 4TH EDITION OF THE SUPERFLASH COMPRESSED GAS CATALOG



Hi, I'm Dave Marquard, CEO and owner of SuperFlash® Compressed Gas Equipment, IBEDA Inc. LLC. For the last 50 years, SuperFlash and IBEDA brand flashback arresters, quick connectors, manifolds, heating solutions, and other compressed gas equipment have protected and served millions of compressed gas users and welders in more than 100 countries. Please visit our web site at www.oxyfuelsafety.com for a complete list of products, connections, and approvals such as U/L, EN (BAM), other standards, regulatory requirements and videos. You can also find information on how to easily and quickly submit special designs and requests.

The 4th edition catalog is divided into five sections to provide solutions to different challenges with compressed and welding gases.

• FLASHBACK ARRESTERS, CHECK VALVES, AND QUICK CONNECTORS

Our flashback arresters and quick connectors are considered approved under ANSI Z49.1:2005 and U/L listed or meet international safety standards such as ISO, European Norm (BAM), British, Scandinavian, South African and other major governmental or technical association performance standards. All of the equipment in this section is Compressed Gas Association (CGA) connection class "A", "B", "C", and NPT pipe threads with flow capacities for almost any application used in North and South America.

• THERMAL SPRAY EQUIPMENT

Our newest product line features high quality thermal spray equipment. A cutting edge and effective solution, we have complete packages to meet your needs for thermal spray applications.

• CUSTOM HEATING SOLUTIONS

Our custom ribbon and ring burners, for oxy and air-fuel gas applications, can be made to almost any specification necessary for your application.

• COMPRESSED GAS MANIFOLD SYSTEMS

We offer several manifold system options which allow compressed gas users and welders to safely and productively use oxygen, flammable, and atmospheric gases. Often manifold gas cylinders and cryogenic vessels can enhance safety and efficiencies for both users and gas suppliers.

• OXYGEN/NITROGEN FILLING SYSTEMS

In addition to complete turnkey liquid to gas refilling systems, we offer all the equipment – such as filling racks, accessories and other supplies – necessary to fill your own oxygen and nitrogen tanks. Installation and on-site training is also available.

Don't forget to visit our web site, www.oxyfuelsafety.com, for updates, additional product information, flow charts, and operating/maintenance instructions in English, Spanish and French.

Thank you,

Dave Marquard



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Oxygen/Nitrogen Filling Systems

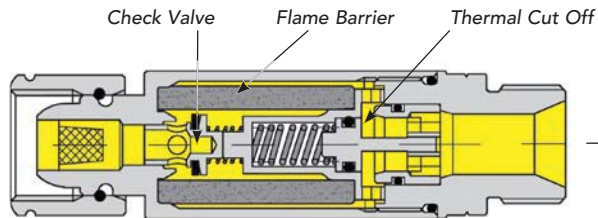
Sistemas de Relleno Nitrógeno/Oxígeno

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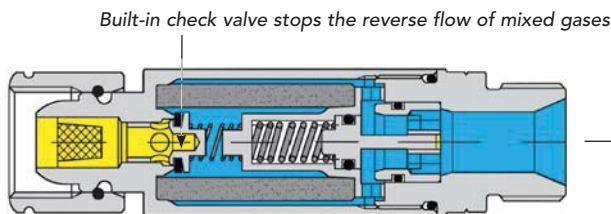
HOW FLASHBACK ARRESTERS WORK

COMO FUNCIONA EL DISPOSITIVO DE SEGURIDAD



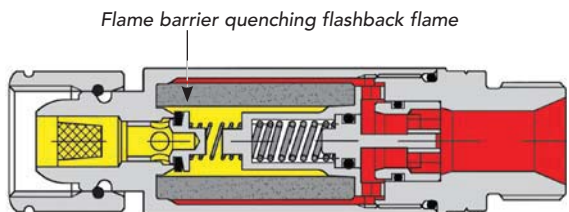
Normal gas flow moving through the flashback arrester to torch, hose or pipeline, shown in yellow.

Normal Gas Flow
flujo de gas normal



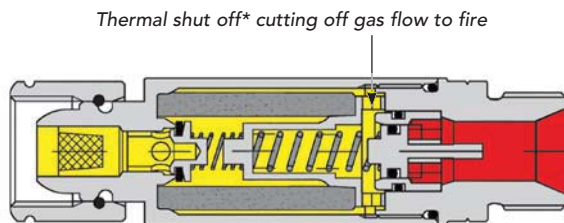
The reverse flow of an explosive mixture of gases is stopped by the flashback arrester's built in check valve, shown in blue. Reverse flow of gases is often caused by operator error, improper gas pressures, faulty or defective equipment, obstruction at or after the point where gases mixed.

Reverse Gas Flow
flujo de gas reverso



A flashback occurs when the mixed gases are ignited, shown in red. The flashback causes a rapid flame propagation upstream to the equipment and gas supply. The flame barrier stops the flashback. Flashback can cause serious personal injury and /or equipment damage.

Flashback
retroceso



Hose burn back is an oxygen enriched fire (or fuel gas decomposition) in the hose or pipeline which flows back to the equipment and gas supply, shown in red. The thermal cut off stops the hose burn back.

Hose Burn Back
quemadura de manguera

Operating temperature range of gases:
-20° F to 140° F

* Regulator and Point-of-Supply (in line) arresters only

TORCH AND POINT-OF-USE FLASHBACK ARRESTERS

DISPOSITIVOS DE SEGURIDAD PARA SOPLETES Y PUNTOS DE USO

Torch and Point-of-Use flashback arresters are combination reverse flow check valve and flame barrier in one body. They provide protection against flashback and reverse flow of gases to the operator at the torch or Point-of-Use. Safety regulations and guidelines in many countries around the world require the use of flashback arresters.



0701-2064

GG			
TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
Fuel Gas (LH)	9/16" UNF ¹ M	9/16" UNF ¹ F	0701-2064
	RR 41/64" ² F	RR 41/64" ² M	0701-3045
Oxygen (RH)	9/16" UNF ¹ M	9/16" UNF ¹ F	0701-2070
	RR 41/64" ² F	RR 41/64" ² M	0701-3044



0701-3021

DG91UA			
TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
Fuel Gas (LH)	9/16" UNF ¹ M	9/16" UNF ¹ F	0701-3021
	7/8" UNF ³ M	7/8" UNF ³ F	0701-3054
Oxygen (RH)	9/16" UNF ¹ M	9/16" UNF ¹ F	0701-3022
	7/8" UNF ³ M	7/8" UNF ³ F	0701-3055



SET OF FLASHBACK ARRESTERS FOR TORCHES
GG
616226-02070

GG TORCH BLISTER PACK SET			
TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
(1) Fuel Gas (LH)	9/16" UNF ¹ M	9/16" UNF ¹ F	616226-02070
(1) Oxygen (RH)	9/16" UNF ¹ M	9/16" UNF ¹ F	

GG AIRFLOW TABLE	
INLET PRESSURE	AIRFLOW
PSIG**	FT ³ /H
7.3	100.0
14.5	197.0
21.8	309.0
36.3	521.0
72.7	929.0

**PSIG = pounds per square inch gauge

DG91UA AIRFLOW TABLE	
INLET PRESSURE	AIRFLOW
PSIG**	FT ³ /H
7.3	231.0
14.5	465.0
21.8	725.0
36.3	1041.0
72.7	1933.0

**PSIG = pounds per square inch gauge

FLOW CONVERSIONS

GAS TYPE	CONVERSION FACTOR
Acetylene	1.05
Butane	0.70
Hydrogen	3.79
Propylene	0.80
Methane	1.34
Oxygen	0.95
Propane	0.80
Ethylene	1.35

WORKING PRESSURE (U/L 23Y5)

GAS	PSIG**
Acetylene	15.0
Hydrogen	50.0
LPG	50.0
Oxygen	143.0

**PSIG = pounds per square inch gauge

APPROVALS AND STANDARDS

UL Listed 23Y5
BAM, EN730, (Europe)
ISO 5175, BS 6158
AS 4603

FEATURES

Safety Elements:	Yes	No
Inlet Filter (100 micron)	x	
Reverse Flow Check Valve	x	
Flame Barrier	x	

MATERIALS

Body: Brass, alloy 360
Internals: Brass
Flame barrier: Stainless Steel
Elastomers: Neoprene (NPR)

FOOTNOTES

1 CGA Class "B" Connection
2 CGA Connection used by Railroads
3 CGA Class "C" Connection
F = Female Connection
M = Male Connection



DG91UA FUEL GAS
32 mm DIA. / 107 mm
L 348 GRAMS /
12.3 OZ.

REGULATOR AND POINT-OF-SUPPLY FLASHBACK ARRESTERS

DISPOSITIVOS DE SEGURIDAD PARA REGULADOR Y PUNTOS DE USO

Model DGN and DG91N flashback arresters install easily on the outlet fitting of most regulators and gas supply points. They help meet ANSI Z49.1 2005, OSHA, NFPA safety requirements and protect against the most common causes of accidents such as reverse gas flow, flashback, and hose burn back. Each DGN or DG91N flashback arrester is 100% tested with actual flashbacks and have built in 100 micron inlet filters, reverse flow check valves, flame barriers, and thermal cut off valves. Model DGND includes all the features of the DGN with the addition of a pressure relief valve that vents excess pressure to the atmosphere.



0701-4123

DGN			
TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
Fuel Gas (LH)	9/16" UNF ¹ F	9/16" UNF ¹ M	0701-4123
	1/4" NPT F	1/4" NPT F	EDI-0004
	RR 41/64" ² F	RR 41/64" ² M	0701-0299
Hydrogen (LH)	1/4" NPT F	1/4" NPT F	0701-4350*
Oxygen (RH)	9/16" UNF ¹ F	9/16" UNF ¹ M	0701-4128
	1/4" NPT F	1/4" NPT F	EDI-0001
	RR 41/64" ² F	RR 41/64" ² M	0701-0312

*Model DGNH Hydrogen 143 PSIG

DGN REGULATOR BLISTER PACK SET			
TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
(1) Fuel (LH) & (1) Oxygen (RH)	9/16" UNF ¹ F	9/16" UNF ¹ M	616226-04099

DGND			
TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
Fuel (LH) & Oxygen (RH)	9/16" UNF ¹ F	9/16" UNF ¹ M	0701-0601
Oxygen (RH)	9/16" UNF ¹ F	9/16" UNF ¹ M	0701-0618

DGND REGULATOR BLISTER PACK SET			
TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
(1) Fuel (LH) & (1) Oxygen (RH)	9/16" UNF ¹ F	9/16" UNF ¹ M	616226-01188



SET OF FLASHBACK ARRESTERS FOR REGULATORS
DGN
616226-04099

FLOW CONVERSIONS

GAS TYPE	CONVERSION FACTOR
Acetylene	1.05
Butane	0.70
Hydrogen	3.79
Propylene	0.80
Methane	1.34
Oxygen	0.95
Propane	0.80
Ethylene	1.35

WORKING PRESSURE (U/L 23Y5)

GAS	PSIG**
Acetylene	15.0
Hydrogen	50.0
LPG	50.0
Oxygen	143.0

**PSIG = pounds per square inch gauge

APPROVALS AND STANDARDS

UL Listed 23Y5
EN 730 (BAM/DIN)
ISO 5175, BS 6158
AS 4603

MATERIALS

Body: Brass, alloy 360
Internals: Brass
Elastomers: Neoprene (NPR)

FOOTNOTES

- 1 CGA Class "B" Connection
 - 2 CGA Connection used by Railroads
 - 3 CGA Class "C" Connection
- F = Female Connection
M = Male Connection



REGULATOR AND POINT-OF-SUPPLY FLASHBACK ARRESTERS CONT.

DISPOSITIVOS DE SEGURIDAD PARA REGULADOR Y PUNTOS DE USO



0701-1123

DG91N			
TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
Fuel Gas (LH)	9/16" UNF ¹ F	9/16" UNF ¹ M	0701-1123
	RR 41/64" ² F	RR 41/64" ² M	0701-1118
	7/8" UNF ³ F	7/8" UNF ³ M	0701-3057
Hydrogen (LH)	9/16" UNF ¹ F	9/16" UNF ¹ M	0701-3093*
Oxygen (RH)	9/16" UNF ¹ F	9/16" UNF ¹ M	0701-1129
	RR 41/64" ² F	RR 41/64" ² M	0701-1119
	7/8" UNF ³ F	7/8" UNF ³ M	0701-3058

*Model DG91NH Hydrogen 143 PSIG

DGND AIRFLOW TABLE	
INLET PRESSURE	AIRFLOW
PSIG**	FT ³ /H
7.3	119
14.5	231
21.8	335
36.3	558
72.7	985

**PSIG = pounds per square inch gauge

DGN AIRFLOW TABLE	
INLET PRESSURE	AIRFLOW
PSIG**	FT ³ /H
7.3	141.0
14.5	268.0
21.8	390.0
36.3	651.0
72.7	1153.0

**PSIG = pounds per square inch gauge

DG91N AIRFLOW TABLE	
INLET PRESSURE	AIRFLOW
PSIG**	FT ³ /H
7.3	231.0
14.5	465.0
21.8	725.0
36.3	1041.0
72.7	1933.0

**PSIG = pounds per square inch gauge

DGNH AIRFLOW TABLE	
INLET PRESSURE	AIRFLOW
PSIG**	FT ³ /H
7.3	33
14.5	74
21.8	130
36.3	253
72.7	613

**PSIG = pounds per square inch gauge



FLOW CONVERSIONS

GAS TYPE	CONVERSION FACTOR
Acetylene	1.05
Butane	0.70
Hydrogen	3.79
Propylene	0.80
Methane	1.34
Oxygen	0.95
Propane	0.80
Ethylene	1.35

WORKING PRESSURE (U/L 23Y5)

GAS	PSIG**
Acetylene	15.0
Hydrogen	50.0
LPG	50.0
Oxygen	143.0

**PSIG = pounds per square inch gauge

APPROVALS AND STANDARDS

UL Listed 23Y5
EN 730 (BAM/DIN)
ISO 5175, BS 6158
AS 4603

MATERIALS

Body: Brass, alloy 360
Internals: Brass
Elastomers: Neoprene (NPR)

FOOTNOTES

- 1 CGA Class "B" Connection
 - 2 CGA Connection used by Railroads
 - 3 CGA Class "C" Connection
- F = Female Connection
M = Male Connection



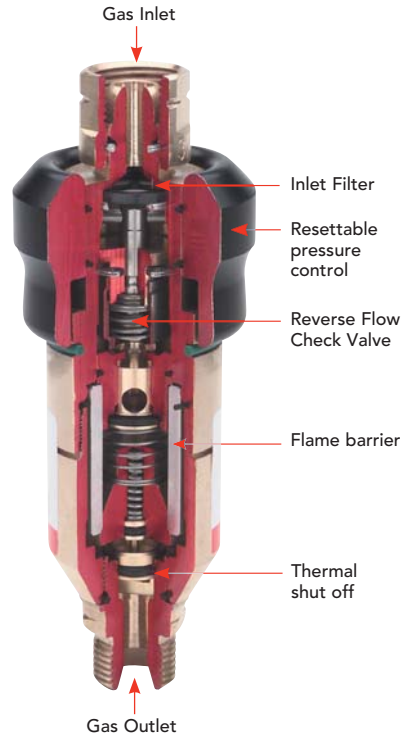
REGULATOR AND POINT-OF-SUPPLY FLASHBACK ARRESTERS CONT.

DISPOSITIVOS DE SEGURIDAD PARA REGULADOR Y PUNTOS DE USO

RESETTABLE FLASHBACK ARRESTERS

DISPOSITIVO DE SEGURIDAD RESTAURABLE

Top of the line models DS-1000 and DS-2000 flashback arresters easily mount on most regulators or supply points and have a resettable pressure control valve that cuts off gas supply in the event of flashback or reverse gas flow. Resetting is easy – just pull up on the pressure control knob – no disassembly or special tools are required. The DS-2000 features high gas flow capacity, built in 100 micron inlet screen, reverse flow check valve, flame barrier and thermal cut off.



(Model DS-2000 Pictured)



FLOW CONVERSIONS

GAS TYPE	CONVERSION FACTOR
Acetylene	1.05
Butane	0.70
Hydrogen	3.79
Propylene	0.80
Methane	1.34
Oxygen	0.95
Propane	0.80
Ethylene	1.35

WORKING PRESSURE (U/L 23Y5)

GAS	PSIG**
Acetylene	15.0
Hydrogen	50.0
LPG	50.0
Oxygen	143.0

**PSIG = pounds per square inch gauge

APPROVALS AND STANDARDS

UL Listed 23Y5
BAM, EN730, (Europe)
ISO 5175, BS 6158
AS 4603

FEATURES

Safety Elements:	Yes	No
Inlet Filter (100 micron)	x	
Reverse Flow Check Valve	x	
Flame Barrier	x	
Thermal Cut off	x	
Pressure Cut off Valve	x	

FOOTNOTES

1 CGA Class "B" Connection
F = Female Connection
M = Male Connection

SUPERFLASH® FLASHBACK ARRESTERS



0701-3600

DS-1000

TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
Fuel Gas (LH)	9/16" UNF ¹ F	9/16" UNF ¹ M	0701-3600
Oxygen (RH)	9/16" UNF ¹ F	9/16" UNF ¹ M	0701-3601



0701-3905

DS-2000

TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
Fuel Gas (LH)	9/16" UNF ¹ F	9/16" UNF ¹ M	0701-3905
Oxygen (RH)	9/16" UNF ¹ F	9/16" UNF ¹ M	0701-3907

DS-1000 AIRFLOW TABLE

INLET PRESSURE	AIRFLOW
PSIG**	FT ³ /H
7.3	126.0
14.5	223.0
21.8	311.0
36.3	491.0
72.7	1004.0

**PSIG = pounds per square inch gauge

DS-2000 AIRFLOW TABLE

INLET PRESSURE	AIRFLOW
PSIG**	FT ³ /H
7.3	231.0
14.5	465.0
21.8	725.0
36.3	1041.0
72.7	1933.0

**PSIG = pounds per square inch gauge



QUICK CONNECTORS WITH FLASHBACK ARRESTERS FOR TORCHES AND REGULATORS

DESCONEXIÓN RÁPIDA CON DISPOSITIVOS DE SEGURIDAD PARA SOPLETES Y REGULADORES

Quick connector with flashback arrester models DKSG/D1 (for torches) and the DGNDK/D4 (for regulators) make set up and take down of equipment easy. They use durable stainless steel coupling pins to resist abrasion and provide years of service. Each model's inlet filter, reverse flow check valve, flame barrier, (and the regulator model's thermal cut off) help meet safety guidelines such as ANSI Z49.1:2005 and OSHA requirements.



0701-4033



0701-4022

DKSG/D1 FOR TORCH AND POINT-OF-USE

TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
Fuel Gas (LH)	9/16" UNF ¹ M	9/16" UNF ¹ F	0701-4033
Oxygen (RH)	9/16" UNF ¹ M	9/16" UNF ¹ F	0701-4038

DKSG/D1 TORCH BLISTER PACK SET

TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
(1) Fuel (LH) & (1) Oxygen (RH)	9/16" UNF ¹ M	9/16" UNF ¹ F	616226-05012

DKSG/D4 FOR HOSE-TO-HOSE CONNECTION

TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
Fuel Gas (LH)	9/16" UNF ¹ M	9/16" UNF ¹ F	0701-4044
Oxygen (RH)	9/16" UNF ¹ M	9/16" UNF ¹ F	0701-4049

DGNDK/D4 FOR REGULATORS AND POINT-OF-SUPPLY

TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
Fuel Gas (LH)	9/16" UNF ¹ F	9/16" UNF ¹ M	0701-4022
Oxygen (RH)	9/16" UNF ¹ F	9/16" UNF ¹ M	0701-4027

DGNDK/D4 REGULATOR BLISTER PACK SET

TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
(1) Fuel (LH) & (1) Oxygen (RH)	9/16" UNF ¹ F	9/16" UNF ¹ M	616226-05013

D1 PIN FOR TORCHES AND POINT-OF-USE

TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
Fuel Gas (LH)	Coupling Pin	9/16" UNF ¹ F	0069-4003
Oxygen (RH)	Coupling Pin	9/16" UNF ¹ F	0069-4008

D4 PIN FOR REGULATORS AND POINT-OF-SUPPLY

TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
Fuel Gas (LH)	Coupling Pin	9/16" UNF ¹ M	0069-4204
Oxygen (RH)	Coupling Pin	9/16" UNF ¹ M	0069-4214

FLOW CONVERSIONS

GAS TYPE	CONVERSION FACTOR
Acetylene	1.05
Butane	0.70
Hydrogen	3.79
Propylene	0.80
Methane	1.34
Oxygen	0.95
Propane	0.80
Ethylene	1.35

APPROVALS AND STANDARDS

UL Listed 23Y5 (flashback arrester)
EN 730 (BAM/DIN)
ISO 5175, BS 6158
ISO 7289, EN 561 (quick connectors)
AS 4603

FEATURES

Safety Elements:	Yes	No
Inlet Filter (100 micron)	x	
Reverse Flow Check Valve	x	
Flame Barrier	x	

MATERIALS

Body: Brass, alloy 360
Internals: Brass
Flame barrier: Stainless Steel
Elastomers: Neoprene (NPR)
Pins: Stainless Steel

FOOTNOTES

1 CGA Class "B" Connection
F = Female Connection
M = Male Connection

DKSG/D1 AIRFLOW TABLE

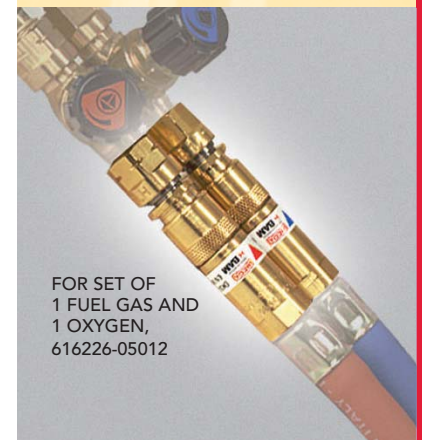
INLET PRESSURE	AIRFLOW
PSIG**	FT ³ /H
7.3	66.0
14.5	178.0
21.8	260.0
36.3	409.0
72.5	781.0

**PSIG = pounds per square inch gauge

DGN-DK/D4 AIRFLOW TABLE

INLET PRESSURE	AIRFLOW
PSIG**	FT ³ /H
7.3	141.0
14.5	268.0
21.8	390.0
36.3	651.0
72.5	1153.0

**PSIG = pounds per square inch gauge



FOR SET OF 1 FUEL GAS AND 1 OXYGEN, 616226-05012

QUICK CONNECTORS

DESCONEXIÓN RÁPIDA

Quick connectors make setting up and taking down equipment faster and easier. They automatically cut off gas flow when disconnected, have all brass construction with durable stainless steel coupling pins and they meet ISO 7289 and EN 561 standards.



DKG/D1
0701-4983

DKG/D1 FOR TORCHES AND POINT-OF-USE

TYPE OF GAS	CONNECTION		QC W/PIN	SOCKET ONLY	PIN ONLY
	INLET	OUTLET			
Fuel Gas (LH)	9/16" UNF ¹ M	9/16" UNF ¹ F	0701-4983	0701-4483	0069-4003
Oxygen (RH)	9/16" UNF ¹ M	9/16" UNF ¹ F	0701-4992	0701-4492	0069-4008



DKD/D4
0701-4993

DKD/D4 FOR REGULATORS AND POINT-OF-SUPPLY

TYPE OF GAS	CONNECTION		QC W/PIN	SOCKET ONLY	PIN ONLY
	INLET	OUTLET			
Fuel Gas (LH)	9/16" UNF ¹ F	9/16" UNF ¹ M	0701-4993	0701-4093	0069-4204
Oxygen (RH)	9/16" UNF ¹ F	9/16" UNF ¹ M	0701-4999	0701-4099	0069-4214
Inert Gas (RH)	5/8" UNF Nipple	5/8" UNF M Nipple	0701-7100	0701-7102	0701-7103

DKG/D4 FOR HOSE-TO-HOSE

TYPE OF GAS	CONNECTION		QC W/PIN	SOCKET ONLY	PIN ONLY
	INLET	OUTLET			
Fuel Gas (LH)	9/16" UNF ¹ M	9/16" UNF ¹ M	0701-4985	0701-4483	0069-4204
Oxygen/Inert (RH)	9/16" UNF ¹ M	9/16" UNF ¹ M	0701-4894	0701-4992	0069-4214

DKD/D4 FOR HOSE-TO-MACHINE - INERT GAS

TYPE OF GAS	CONNECTION		QC W/PIN	SOCKET ONLY	PIN ONLY
	INLET	OUTLET			
Inert Gas (RH)	5/8" UNF F	5/8" UNF M Nipple	0701-7091	0701-7093	0701-7094

HIGHLIGHTS

- Automatic gas cut-off when disconnecting
- Double O-ring seal
- Color coded for gas service
- Connections of pins and threads per EN 560
- Oxygen and fuel gas models are gas specific

WORKING PRESSURE (U/L 23Y5)

GAS	PSIG**
Acetylene	15.0
Hydrogen	50.0
LPG	50.0
Oxygen	143.0

**PSIG = pounds per square inch gauge

APPROVALS AND STANDARDS

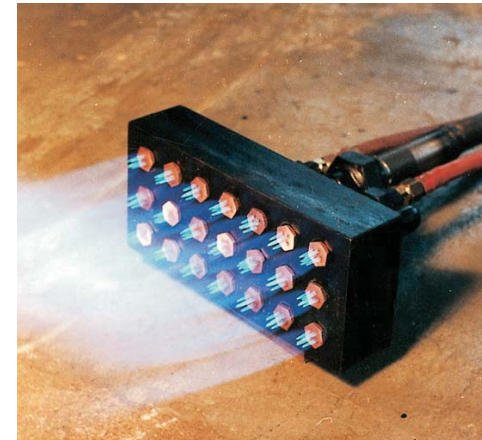
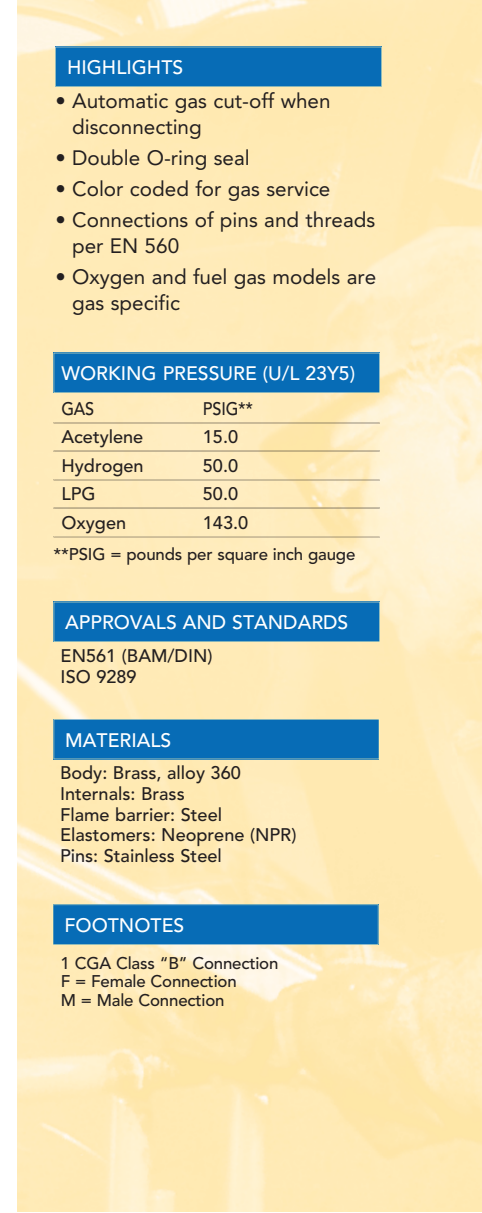
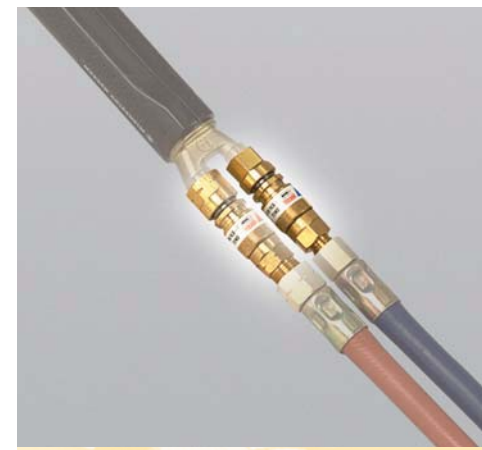
EN561 (BAM/DIN)
ISO 9289

MATERIALS

Body: Brass, alloy 360
Internals: Brass
Flame barrier: Steel
Elastomers: Neoprene (NPR)
Pins: Stainless Steel

FOOTNOTES

1 CGA Class "B" Connection
F = Female Connection
M = Male Connection



QUICK CONNECTORS CONT.

DESCONEXIÓN RÁPIDA



D1 PIN
0069-4003

D1 PIN FOR TORCHES AND POINT-OF-USE

TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
Fuel Gas (LH)	Coupling Pin	9/16" UNF ¹ F	0069-4003
Oxygen (RH)	Coupling Pin	9/16" UNF ¹ F	0069-4008



D4 PIN
0069-4204

D4 PIN FOR REGULATORS AND POINT-OF-SUPPLY

TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
Fuel Gas (LH)	Coupling Pin	9/16" UNF ¹ M	0069-4204
Oxygen (RH)	Coupling Pin	9/16" UNF ¹ M	0069-4214



SET OF QUICK CONNECTORS FOR TORCHES
DKG/D1
616226-04992

D4 PIN FOR INERT GAS

TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
Inert/Machine	Coupling Pin	5/8" UNF M Nipple	0701-7094
Inert/Regulator	Coupling Pin	5/8" UNF F	0701-7103

DKG/D1 TORCH QUICK CONNECTOR BLISTER PACK SET

TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
(1) Fuel (LH) & (1) Oxygen (RH)	9/16" UNF ¹ M	9/16" UNF ¹ F	616226-04992



SET OF QUICK CONNECTORS FOR REGULATORS
DKD/D4
616226-04993

DKD/D4 REGULATOR QUICK CONNECTOR BLISTER PACK SET

TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
(1) Fuel (LH) & (1) Oxygen (RH)	9/16" UNF ¹ F	9/16" UNF ¹ M	616226-04993



HIGHLIGHTS

- Automatic gas cut-off when disconnecting
- Double O-ring seal
- Color coded for gas service
- Connections of pins and threads per EN 560
- Oxygen and fuel gas models are gas specific

WORKING PRESSURE (U/L 23Y5)

GAS	PSIG**
Acetylene	15.0
Hydrogen	50.0
LPG	50.0
Oxygen	143.0

**PSIG = pounds per square inch gauge

APPROVALS AND STANDARDS

EN561 (BAM/DIN)
ISO 9289

MATERIALS

Body: Brass, alloy 360
Internals: Brass
Flame barrier: Steel
Elastomers: Neoprene (NPR)
Pins: Stainless Steel

FOOTNOTES

1 CGA Class "B" Connection
F = Female Connection
M = Male Connection



QUICK CONNECTORS FOR LARGE CONNECTION SIZES

DESCONEXIÓN RÁPIDA PARA CONEXIONES DE TAMAÑO GRANDE

GKG/G1 FOR TORCHES AND POINT-OF-USE WITH 3/8" HOSE				
TYPE OF GAS	CONNECTION		PART NO. SOCKET ONLY	PART NO. QC W/PIN
	INLET	OUTLET		
Fuel Gas (LH)	7/8" UNF ³ M	7/8" UNF ³ F	0515-0310	0515-0680
Oxygen (RH)	7/8" UNF ³ M	7/8" UNF ³ F	0515-0340	0515-0690

G1 PIN FOR TORCHES AND POINT-OF-USE WITH 3/8" HOSE			
TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
Fuel Gas (LH)	8 mm Coupling Pin	7/8" UNF ³ F	0069-4700
Oxygen (RH)	8 mm Coupling Pin	7/8" UNF ³ F	0069-4750

GKD/G4 FOR REGULATORS AND POINT-OF-SUPPLY WITH 3/8" HOSE				
TYPE OF GAS	CONNECTION		PART NO. SOCKET ONLY	PART NO. QC W/PIN
	INLET	OUTLET		
Fuel Gas (LH)	7/8" UNF ³ F	7/8" UNF ³ M	0515-0210	0515-0720
Oxygen (RH)	7/8" UNF ³ F	7/8" UNF ³ M	0515-0240	0515-0745

G4 PIN FOR REGULATORS AND POINT-OF-SUPPLY WITH 3/8" HOSE			
TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
Fuel Gas (LH)	8 mm Coupling Pin	7/8" UNF ³ M	0069-4705
Oxygen (RH)	8 mm Coupling Pin	7/8" UNF ³ M	0069-4755

GKT/G2FOR IN LINE APPLICATION WITH 3/8" HOSE				
TYPE OF GAS	CONNECTION		PART NO. SOCKET ONLY	PART NO. QC W/PIN
	INLET	OUTLET		
Fuel Gas (LH)	8 mm Barb	8 mm Barb	0515-0110	0515-0615
Oxygen (RH)	8 mm Barb	8 mm Barb	0515-0130	0515-0635

G2 PIN FOR IN LINE APPLICATION WITH 3/8" HOSE			
TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
Fuel Gas (LH)	8 mm Coupling Pin	8 mm Barb	0069-4703
Oxygen (RH)	8 mm Coupling Pin	8 mm Barb	0069-4753



HIGHLIGHTS

- Automatic gas cut-off when disconnecting
- Double O-ring seal
- Color coded for gas service
- Connections of pins and threads per EN 560
- Oxygen and fuel gas models are gas specific

WORKING PRESSURE (U/L 23Y5)

GAS	PSIG**
Acetylene	15.0
Hydrogen	50.0
LPG	50.0
Oxygen	143.0

**PSIG = pounds per square inch gauge

MATERIALS

Body: Brass, alloy 360
 Internals: Brass
 Elastomers: Neoprene (NPR)
 Pins: Stainless Steel

FOOTNOTES

3 CGA Class "C" Connection
 F = Female Connection
 M = Male Connection



QUICK CONNECTORS FOR LARGE CONNECTION SIZES CONT.

DESCONEXIÓN RÁPIDA PARA CONEXIONES DE TAMAÑO GRANDE

GKG/G1 FOR TORCHES AND POINT-OF-USE WITH 1/2" HOSE				
TYPE OF GAS	CONNECTION		PART NO. SOCKET ONLY	PART NO. QC W/PIN
	INLET	OUTLET		
Fuel Gas (LH)	7/8" UNF ³ M	7/8" UNF ³ F	0515-0360	0515-0685
Oxygen (RH)	7/8" UNF ³ M	7/8" UNF ³ F	0515-0380	0515-0695

G1 PIN FOR TORCHES AND POINT-OF-USE WITH 1/2" HOSE			
TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
Fuel Gas (LH)	12 mm Coupling Pin	7/8" UNF ³ F	0069-4710
Oxygen (RH)	12 mm Coupling Pin	7/8" UNF ³ F	0069-4760

GKD/G4 FOR REGULATORS AND POINT-OF-SUPPLY WITH 1/2" HOSE				
TYPE OF GAS	CONNECTION		PART NO. SOCKET ONLY	PART NO. QC W/PIN
	INLET	OUTLET		
Fuel Gas (LH)	7/8" UNF ³ F	7/8" UNF ³ M	0515-0260	0515-0760
Oxygen (RH)	7/8" UNF ³ F	7/8" UNF ³ M	0515-0280	0515-0785

G4 PIN FOR REGULATORS AND POINT-OF-SUPPLY 1/2" HOSE			
TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
Fuel Gas (LH)	12 mm Coupling Pin	7/8" UNF ³ M	0069-4715
Oxygen (RH)	12 mm Coupling Pin	7/8" UNF ³ M	0069-4765

GKT/G2 FOR IN LINE APPLICATION WITH 1/2" HOSE				
TYPE OF GAS	CONNECTION		PART NO. SOCKET ONLY	PART NO. QC W/PIN
	INLET	OUTLET		
Fuel Gas (LH)	12 mm Barb	12 mm Barb	0515-0150	0515-0645
Oxygen (RH)	12 mm Barb	12 mm Barb	0515-0170	0515-0665

G2 PIN FOR IN LINE APPLICATION WITH 1/2" HOSE			
TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
Fuel Gas (LH)	12 mm Coupling Pin	12 mm Barb	0069-4713
Oxygen (RH)	12 mm Coupling Pin	12 mm Barb	0069-4763



HIGHLIGHTS

- Automatic gas cut-off when disconnecting
- Double O-ring seal
- Color coded for gas service
- Connections of pins and threads per EN 560
- Oxygen and fuel gas models are gas specific

WORKING PRESSURE (U/L 23Y5)

GAS	PSIG**
Acetylene	15.0
Hydrogen	50.0
LPG	50.0
Oxygen	143.0

**PSIG = pounds per square inch gauge

MATERIALS

Body: Brass, alloy 360
Internals: Brass
Elastomers: Neoprene (NPR)
Pins: Stainless Steel

FOOTNOTES

3 CGA Class "C" Connection
F = Female Connection
M = Male Connection



TORCH AND POINT-OF-USE FLASHBACK ARRESTERS AND REVERSE FLOW CHECK VALVES

DISPOSITIVOS DE SEGURIDAD PARA SOPLETES Y VÁLVULAS CHEQUE DE FLUJO REVERSO

SuperFlash® offers a wide variety of flashback arresters and check valves.



MINI-GG
0701-3200



MINI-DG
0701-3210



CHECK VALVE TORCH
0701-3332



CHECK VALVE REGULATOR
0701-1174



CHECK VALVE SETS TORCH
616226-06630



CHECK VALVE SETS REGULATOR
616226-06652

A SIZE FLASHBACK ARRESTERS

TYPE OF GAS	MODEL	INLET	OUTLET	PART NO.
Fuel Gas (LH)	Mini-GG (A size torch)	3/8" UNF ² M	3/8" UNF ² F	0701-3200
Oxygen (RH)	Mini-GG (A size torch)	3/8" UNF ² M	3/8" UNF ² F	0701-3201
Fuel Gas (LH)	Mini-DG (A size reg)	3/8" UNF ² F	3/8" UNF ² M	0701-3210
Oxygen (RH)	Mini-DG (A size reg)	3/8" UNF ² F	3/8" UNF ² M	0701-3211

A SIZE CHECK VALVES

TYPE OF GAS	MODEL	INLET	OUTLET	PART NO.
Fuel Gas (LH)	Check Valve (A size torch)	3/8" UNF ² M	3/8" UNF ² F	0701-3220
Oxygen (RH)	Check Valve (A size torch)	3/8" UNF ² M	3/8" UNF ² F	0701-3221

B SIZE CHECK VALVES FOR TORCHES

TYPE OF GAS	MODEL	INLET	OUTLET	PART NO.
Fuel Gas (LH)	Check Valve (B size torch)	9/16" UNF ¹ M	9/16" UNF ¹ F	0701-3332
Oxygen (RH)	Check Valve (B size torch)	9/16" UNF ¹ M	9/16" UNF ¹ F	0701-3333

B SIZE CHECK VALVES FOR REGULATORS

TYPE OF GAS	MODEL	INLET	OUTLET	PART NO.
Fuel Gas (LH)	Check Valve (B size reg)	9/16" UNF ¹ F	9/16" UNF ¹ M	0701-1174
Oxygen (RH)	Check Valve (B size reg)	9/16" UNF ¹ F	9/16" UNF ¹ M	0701-1173

B SIZE CHECK VALVE TORCH BLISTER PACK SET

TYPE OF GAS	MODEL	INLET	OUTLET	PART NO.
(1) Fuel (LH) & (1) Oxygen (RH)	Check Valve (B size torch)	9/16" UNF ¹ M	9/16" UNF ¹ F	616226-06630

B SIZE CHECK VALVE REGULATOR BLISTER PACK SET

TYPE OF GAS	MODEL	INLET	OUTLET	PART NO.
(1) Fuel (LH) & (1) Oxygen (RH)	Check Valve (B size reg)	9/16" UNF ¹ F	9/16" UNF ¹ M	616226-06652

A SIZE FLASHBACK ARRESTERS

INLET PRESSURE	AIRFLOW
PSIG**	FT ³ /H
7.3	45.0
14.5	74.00
21.8	93.0
36.3	134.0
72.7	186.0

**PSIG = pounds per square inch gauge

A SIZE CHECK VALVES

INLET PRESSURE	AIRFLOW
PSIG**	FT ³ /H
7.3	45.0
14.5	74.00
21.8	93.0
36.3	134.0
72.7	186.0

**PSIG = pounds per square inch gauge

B SIZE CHECK VALVES

INLET PRESSURE	AIRFLOW
PSIG**	FT ³ /H
7.3	283.0
14.5	425.0
21.8	566.0
36.3	849.0
72.7	1416.0

**PSIG = pounds per square inch gauge



FLOW CONVERSIONS

GAS TYPE	CONVERSION FACTOR
Acetylene	1.05
Butane	0.70
Hydrogen	3.79
Propylene	0.80
Methane	1.34
Oxygen	0.95
Propane	0.80
Ethylene	1.35

WORKING PRESSURE (U/L 23Y5)

GAS	PSIG**
Acetylene	15.0
Hydrogen	50.0
LPG	50.0
Oxygen	143.0

**PSIG = pounds per square inch gauge

APPROVALS AND STANDARDS

UL Listed 23Y5
BAM, EN730, (Europe)
ISO 5175, BS 6158
AS 4603

FEATURES

Safety Elements:	Yes	No
Reverse Flow Check Valve	x	
Flame Barrier ⁽¹⁾		x

(1) Not included on check valves

MATERIALS

Body: Brass, alloy 360
Internals: Brass
Flame barrier: Stainless Steel
Elastomers: Neoprene (NPR)

FOOTNOTES

1 CGA Class "B" Connection
2 CGA Class "A" Connection
F = Female Connection
M = Male Connection



INLINE AND POINT-OF-SUPPLY

FUENTE EN LÍNEA O PUNTO DE USO

The SIMAX and DEMAX series of flashback arresters provides a full range of dry (no water or fluid to check or replenish) flashback, gas reverse flow and hose burn back protection in a compact, economical package. They are approved safety devices under ANSI Z49.1:2005 safety guidelines and help meet OSHA, NFPA and other strict industry safety standards (see listing of approvals and specifications below). They are ideal for high volume gas flow applications in pipelines and manifolds.



SIMAX 5
0701-3271

SIMAX & SIMAX NH SERIES

TYPE OF GAS	MODEL	CONNECTION ISO 3253*		PART NO.
		INLET	OUTLET	
Fuel Gas	SIMAX 3	1" NPT F	1" NPT F	0701-3270
	SIMAX 5	1" NPT F	1" NPT F	0701-3271
	SIMAX 8	1-1/2" NPT F*	1-1/2" NPT F*	0701-3278
Oxygen	SIMAX 3	1" NPT F	1" NPT F	0701-3191
	SIMAX 5	1" NPT F	1" NPT F	0701-3192
	SIMAX 8	1-1/2" NPT F*	1-1/2" NPT F*	0701-3196
Hydrogen [#]	SIMAX 3NH	1" NPT F	1" NPT F	0701-3268
	SIMAX 5NH	1" NPT F	1" NPT F	0701-3273
	SIMAX 8NH	1-1/2" NPT F*	1-1/2" NPT F*	0701-3280

[#] Hydrogen up to 143 PSIG
* 1" NPT Optional



DEMAX
0701-3304

DEMAX & DEMAX NH SERIES

TYPE OF GAS	MODEL	CONNECTION		PART NO.
		INLET	OUTLET	
Fuel Gas (LH)	DEMAX	7/8" UNF ³ F	7/8" UNF ³ M	0701-3302
Fuel Gas	DEMAX	1" NPT F	1" NPT F	0701-3304
Oxygen (RH)	DEMAX	7/8" UNF ³ F	7/8" UNF ³ M	0701-3300
Oxygen	DEMAX	1" NPT F	1" NPT F	0701-3307
Hydrogen [#]	DEMAX NH	1" NPT F	1" NPT F	0701-3306

[#] Hydrogen up to 143 PSIG

SIMAX AIRFLOW TABLE (FT³/H)

PSIG**	21.9	36.5	73.0	145.9	286.0
SIMAX 3	1904	2618	5202	9860	20400
SIMAX 5	3060	4352	8670	16450	33150
SIMAX 8	5168	5670	13872	26180	53040

**PSIG = pounds per square inch gauge

SIMAX NH AIRFLOW TABLE (FT³/H)

PSIG**	21.9	36.5	73.0	145.9	286.0
SIMAX 3	695	1219	2439	5298	11228
SIMAX 5	1167	2030	4053	5298	17589
SIMAX 8	1866	3249	6488	14128	29929

**PSIG = pounds per square inch gauge

DEMAX AIRFLOW TABLE (FT³/H)

INLET PRESSURE	AIRFLOW	
	DEMAX	DEMAX NH
4.6	265	63
14.6	920	316
21.9	1593	552
63.0	2100	1074
72.0	4000	2603
109.0	6125	4257
145.0	8200	6320
290.0	13000	9481

**PSIG = pounds per square inch gauge

FLOW CONVERSIONS

GAS TYPE	CONVERSION FACTOR
Acetylene	1.05
Butane	0.70
Hydrogen	3.79
Propylene	0.80
Methane	1.34
Oxygen	0.95
Propane	0.80
Ethylene	1.35

APPROVALS AND STANDARDS

UL Listed 23Y5
BAM, EN730, (Europe)
ISO 5175, BS 6158
AS 4603

FEATURES

Safety Elements:	Yes	No
Inlet Filter (100 micron)	x	
Reverse Flow Check Valve	x	
Flame Barrier	x	

MATERIALS

Body: Brass, alloy 360
Internals: Brass
Flame barrier: Stainless Steel
Elastomers: Neoprene (NPR)

FOOTNOTES

3 CGA Class "C" Connection
F = Female Connection
M = Male Connection



INLINE AND POINT-OF-SUPPLY CONT.

FUENTE EN LÍNEA O PUNTO DE USO

The model TT is a barb connection that installs a reverse flow check valve and flashback arrester in welding hose. Simply cut the hose, insert the TT, attach and crimp brass hose ferrules and check for leaks with an approved oxygen compatible leak detecting solution.



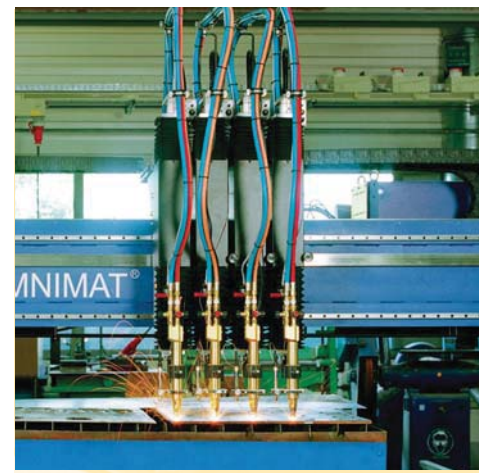
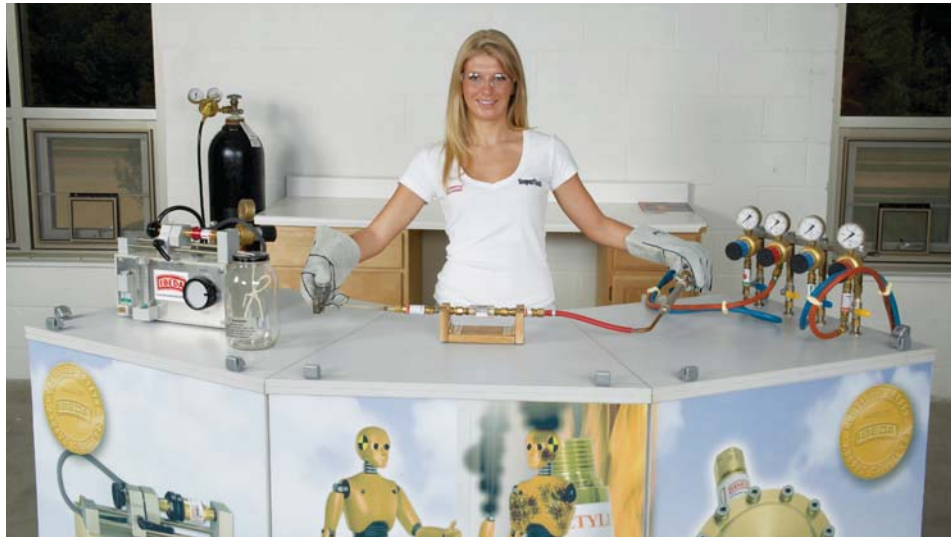
MODEL TT
0701-2082

TT			
TYPE OF GAS	CONNECTION		PART NO.
	INLET BARB	OUTLET BARB	
Fuel Gas	4.0 mm	4.0 mm	0701-2080
	6.3 mm	6.3 mm	0701-2082
	8.0 mm	8.0 mm	0701-2083
Oxygen	4.0 mm	4.0 mm	0701-2110
	6.3 mm	6.3 mm	0701-2112
	8.0 mm	8.0 mm	0701-2113

TT AIRFLOW TABLE

INLET PRESSURE	AIRFLOW
PSIG**	FT ³ /H
7.3	100.0
14.5	197.0
21.8	309.0
36.3	521.0
72.5	929.0

**PSIG = pounds per square inch gauge



FLOW CONVERSIONS

GAS TYPE	CONVERSION FACTOR
Acetylene	1.05
Butane	0.70
Hydrogen	3.79
Propylene	0.80
Methane	1.34
Oxygen	0.95
Propane	0.80
Ethylene	1.35

APPROVALS AND STANDARDS

UL Listed 23Y5
BAM, EN730, (Europe)
ISO 5175, BS 6158
AS 4603

FEATURES

Safety Elements:	Yes	No
Inlet Filter (100 micron)	x	
Reverse Flow Check Valve	x	
Flame Barrier	x	

MATERIALS

Body: Brass, alloy 360
Internals: Brass
Flame barrier: Stainless Steel
Elastomers: Neoprene (NPR)

FOOTNOTES

3 CGA Class "C" Connection
F = Female Connection
M = Male Connection

TT

BARB	USE IN HOSE (I.D.)
4.0 mm	3/16"
6.3 mm	1/4"
8.0 mm	3/8"



CHECK VALVE/FLASHBACK ARRESTERS FOR HIGH FLOW APPLICATIONS

VÁLVULAS DE CHEQUEO/DISPOSITIVOS DE SEGURIDAD PARA APLICACIONES DE ALTO FLUJO

These safety devices are designed for use with burners working with fuel gas and air. These devices are also available without a flame arrester (model type GRV).

FLASHBACK ARRESTERS FOR HIGH FLOW APPLICATIONS

TYPE OF GAS	MODEL	CONNECTION		PART NO.
		INLET	OUTLET	
Fuel Gas [#]	GRS-1	1/2" NPT F	1/2" NPT F	0701-3300
	GRS-2	1" NPT F	1" NPT F	0701-3350
	GRS-3	2" NPT F	" NPT F	0701-3380
	ESF	1" NPT F	1" NPT F	0701-4401
	ESF-RF*	2" NPT F	2" NPT F	0701-4405
Air	GRS-1	1/2" NPT F	1/2" NPT F	0701-3315
	GRS-2	1" NPT F	1" NPT F	0701-3355
	GRS-3	2" NPT F	" NPT F	0701-3385
	ESF	1" NPT F	1" NPT F	0701-4420
	ESF-RF*	2" NPT F	2" NPT F	0701-4435

* RF-Metal Filter
 # Not for use with Acetylene Gas

CHECK VALVES FOR HIGH FLOW APPLICATIONS

TYPE OF GAS	MODEL	CONNECTION		PART NO.
		INLET	OUTLET	
Fuel Gas [#]	GRV-1	1/2" NPT F	1/2" NPT F	0801-3200
	GRV-2	1" NPT F	1" NPT F	0801-3250
	GRV-3	2" NPT F	" NPT F	0801-3280
Air	GRV-1	1/2" NPT F	1/2" NPT F	0801-3215
	GRV-2	1" NPT F	1" NPT F	0801-3255
	GRV-3	2" NPT F	2" NPT F	0801-3285

* Not for use with Acetylene Gas

GRS AIRFLOW TABLE (FT³/H)

PSIG**	7.3	14.5	21.8	36.3	72.7
GRS-1	494	776	971	1271	1783
GRS-2	1871	2825	3496	4484	8968
GRS-3	4167	6144	7627	15360	30720

**PSIG = pounds per square inch gauge

ESF & ESF-RF AIRFLOW TABLE (FT³/H)

PSIG**	7.3	14.5	21.8	36.3	72.7
ESF	613	1190	1785	2788	5577
ESF-RF	409	744	1078	1562	3011

**PSIG = pounds per square inch gauge

GRV AIRFLOW TABLE (FT³/H)

Δp PSIG**	Inlet Pressure = 2.9 PSIG**			
	.145	.725	1.45	2.03
GRV-1	170	1200	1690	1950
GRV-2	170	2950	4200	5000
GRV-3	350	6350	9000	10700

**PSIG = pounds per square inch gauge



FLOW CONVERSIONS

GAS TYPE	CONVERSION FACTOR
Acetylene	1.05
Butane	0.70
Hydrogen	3.79
Propylene	0.80
Methane	1.34
Oxygen	0.95
Propane	0.80
Ethylene	1.35

WORKING PRESSURE (U/L 23Y5)

GAS	PSIG**
Acetylene	15.0
Hydrogen	50.0
LPG	50.0
Oxygen	143.0

**PSIG = pounds per square inch gauge

APPROVALS AND STANDARDS

UL Listed 23Y5 (flashback arrester)
 EN 730 (BAM/DIN)
 ISO 5175, BS 6158
 AS 4603

FEATURES

Safety Elements:	Yes	No
Inlet Filter (100 micron)	x	
Reverse Flow Check Valve	x	
Flame Barrier	x	

MATERIALS

Body: Brass, alloy 360
 Internals: Stainless Steel
 Elastomers: Neoprene (NPR)
 Max Service Pressure: 286 PSIG
 (U/L Standard Limits 143 PSIG)

FOOTNOTES

- 1 CGA Class "B" Connection
- 2 CGA Connection used by Railroads
- 3 CGA Class "C" Connection
- F = Female Connection
- M = Male Connection



SUPERFLASH® FLASHBACK ARRESTERS

www.oxyfuelsafety.com

FLAME ARRESTERS FOR HIGH PRESSURE ACETYLENE

DISPOSITIVOS DE SEGURIDAD DE LLAMA PARA ACETILENO EN ALTA PRESIÓN



These multi-purpose devices offer several safety options for high pressure acetylene pipes and are rated for use up to 362 PSIG. All of these devices are equipped with a flame arrester (not to scale).

MULTI-PURPOSE SAFETY DEVICES FOR HIGH PRESSURE ACETYLENE PIPES

MODEL	CONNECTION		PART NO.	FAST ACTION AUTOMATIC SHUT-OFF DEVICE	NON-RETURN VALVE	FLAME ARRESTER	TEMP. SENSITIVE CUT-OFF DEVICE
	INLET	OUTLET					
DF3L	1/4" NPT M	1/4" NPT M	0801-3400	*	*	*	*
10HD-N-240	1/4" NPT M	1/4" NPT M	0801-3405	*		*	
10HD-N-348	1/4" NPT M	1/4" NPT M	0801-3410	*		*	
10HD-N-370	1/4" NPT M	1/4" NPT M	0801-3415	*		*	
10HD-N-450	1/4" NPT M	1/4" NPT M	0801-3420	*		*	
50HD	1/4" NPT M	1/4" NPT M	0801-3430			*	*



0701-3230

High pressure non-return valve for protection of gas manifold systems. In accordance with ISO 228, ISO 3253, and EN 560.

TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
Fuel Gas	1/4" NPT F Nipple	1/4" NPT M	0701-3230
Oxygen	1/4" NPT F Nipple	1/4" NPT M	0701-3235

RSV AIRFLOW TABLE

INLET PRESSURE	AIRFLOW
PSIG**	FT ³ /H
7.3	67.0
14.5	164.0
21.8	242.0
36.3	372.0
72.5	688.0

**PSIG = pounds per square inch gauge



FLOW CONVERSIONS

GAS TYPE	CONVERSION FACTOR
Acetylene	1.05
Butane	0.70
Hydrogen	3.79
Propylene	0.80
Methane	1.34
Oxygen	0.95
Propane	0.80
Ethylene	1.35

WORKING PRESSURE (U/L 23Y5)

GAS	PSIG**
Acetylene	15.0
Hydrogen	50.0
LPG	50.0
Oxygen	143.0

**PSIG = pounds per square inch gauge

FEATURES

Safety Elements:	Yes	No
Reverse Flow Check Valve	x	

MATERIALS

Body: Type 316L Stainless Steel or Brass, alloy 360
 Internals: Stainless Steel
 Elastomers: Neoprene (NPR)
 Max Service Pressure: 4,350 PSIG

FOOTNOTES

1 CGA Class "B" Connection
 2 CGA Connection used by Railroads
 3 CGA Class "C" Connection
 F = Female Connection
 M = Male Connection



STAINLESS STEEL FLASHBACK ARRESTERS FOR REGULATORS AND POINT-OF-SUPPLY

DISPOSITIVOS DE SEGURIDAD DE ACERO INOXIDABLE PARA REGULADORES Y FUENTE A PUNTO DE USO

Stainless steel flashback arresters are designed for oxygen, hydrogen and other flammable gases where all stainless steel type 316 with Vitor® or other elastomers* are desirable. These arresters are standard with 1/4" NPT connections, however they can be adapted and tested in our lab with a wide variety of connections including Swagelok® tube fittings.

*Variety of elastomers are available based on application.



DG91N SS

DG91N SS			
TYPE OF GAS	CONNECTION		PART NO.
	INLET	OUTLET	
Fuel Gas	1/4" NPT F	1/4" NPT M	0701-3249
Oxidizers	1/4" NPT F	1/4" NPT M	0701-3248

DG91N SS AIRFLOW TABLE	
INLET PRESSURE	AIRFLOW
PSIG**	FT ³ /H
7.3	231.0
14.5	465.0
21.8	725.0
36.3	1041.0
72.5	1933.0

**PSIG = pounds per square inch gauge

The DG91N SS can be used with a wide variety of gases, please contact our technical support department for details. 1-888-327-7306 or tech@oxyfuelsafety.com



INLINE FILTERS FOR PIPELINES FILTROS EN LÍNEA PARA TUBERÍA

Oxygen and fuel gas lines are often contaminated from rust, dirt, dust, spalding, etc. which dramatically decreases work piece quality, clogs equipment, and creates the risk of oxygen enriched combustion. SuperFlash® gas filters stop 99.9% of contaminant of 100 microns or larger. Users report vastly improved productivity, work piece quality and extended equipment service life.

- **Connection Fittings**
1" NPT Female Inlet x
1" NPT Female Outlet
- **Design Features**
Body - Brass
Cartridge Housing -
Stainless Steel
- **Dimensions**
7" W x 7.5" H x 4.7" D
- **Weight**
17.5 lbs. (8.0 Kg)
- **Gas Types**
Acetylene, Natural Gas,
Oxygen, Inert Gases

INLINE FILTERS		
	NOMINAL PRESSURES	PART NO.
Fuel Gas	240 PSIG**	0701-3380
Oxidizers	590 PSIG**	0701-3385

**PSIG = pounds per square inch gauge



REPLACEMENT FILTER CARTRIDGE*
0701-3388

REPLACEMENT FILTER CARTRIDGE CARTUCHO DE FILTRO DE REEMPLAZO

Replaceable filter cartridge allows for quick and easy change when necessary in two steps:

1. Remove cartridge housing and replace filter
2. Reattach cartridge housing

*Same part number for both Fuel Gas and Oxygen models



FLOW CONVERSIONS

GAS TYPE	CONVERSION FACTOR
Acetylene	1.05
Butane	0.70
Hydrogen	3.79
Propylene	0.80
Methane	1.34
Oxygen	0.95
Propane	0.80
Ethylene	1.35

WORKING PRESSURE (U/L 23Y5)

GAS	PSIG**
Acetylene	15.0
Hydrogen	50.0
LPG	50.0
Oxygen	143.0

**PSIG = pounds per square inch gauge

APPROVALS AND STANDARDS

UL Listed 23Y5 (flashback arrester)
EN 730 (BAM/DIN)
ISO 5175, BS 6158
AS 4603

FEATURES

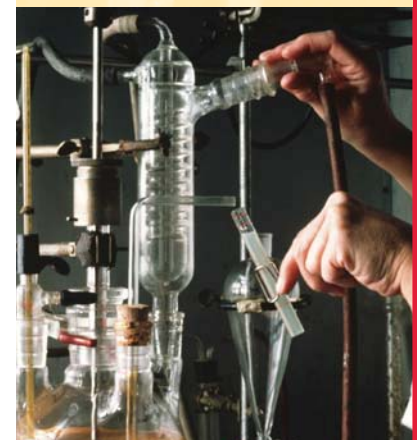
Safety Elements:	Yes	No
Inlet Filter (100 micron)	x	
Reverse Flow Check Valve	x	
Flame Barrier	x	
Thermal Cut off Valve	x	

MATERIALS

Body: Type 316L Stainless Steel /
Brass, alloy 360
Internals: Stainless Steel
Elastomers: Neoprene (NPR)
Max Service Pressure: 286 PSIG
(U/L Standard Limits 143 PSIG)

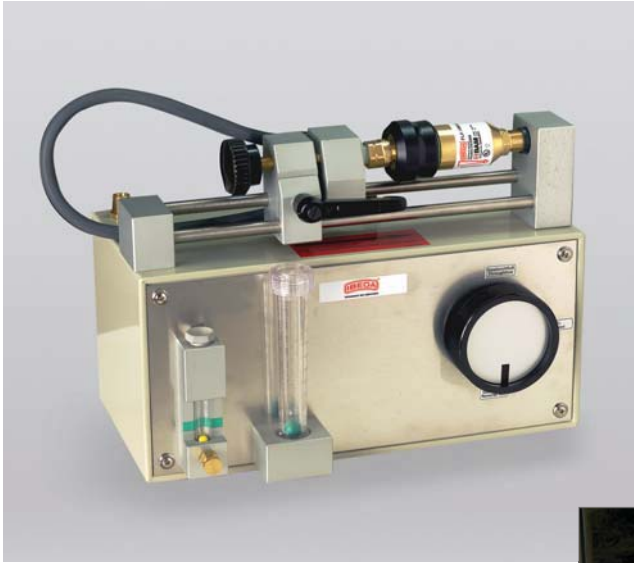
FOOTNOTES

1 CGA Class "B" Connection
2 CGA Connection used by Railroads
3 CGA Class "C" Connection
F = Female Connection
M = Male Connection



TESTING AND DEMONSTRATION EQUIPMENT

EQUIPO DE PRUEBA Y DEMOSTRACIÓN



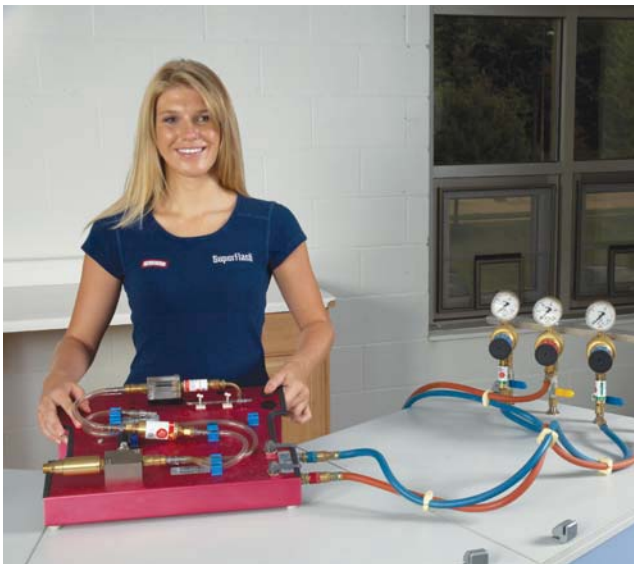
Flashback Arrester and Check Valve Test Equipment

equipo de prueba para dispositivo de seguridad y válvula cheque

Makes it easier to comply with testing requirements for flashback arresters and check valves. Tests both gas flow and reverse flow check valves safely and easily. Uses inert nitrogen instead of far more hazardous fuel gases or oxygen to test equipment.

Safety devices have to be tested every year. Without changing the position of the device, both forward and reverse flow can be tested as well as the pressure sensitive cut-off valve where applicable.

FLASHBACK ARRESTER AND
CHECK VALVE TEST EQUIPMENT
MODEL PVGD 0380-0002



Flashback Arrester Demonstration Equipment

equipo de demostración para dispositivos de seguridad

Provides an easy to use and convincing demonstration of a flashback and hose burn back. This can be used to convince welders, gas users, and supervision to use safety equipment such as flashback arresters and follow safety procedures. Brass and stainless steel components are mounted on an aluminum frame for years of service yet light enough to be carried from facility to facility. Complete with detailed instructions.

FLASHBACK ARRESTER
DEMONSTRATION
EQUIPMENT MODEL DMFL
0380-0012 (FOR 9/16" UNF)

FLAME SPRAYING PRODUCTS WITH SUPERFLASH® SAFETY

ROCIADORES DE LLAMA CON ALTA SEGURIDAD DE SUPERFLASH



MINISPRAY JET - GUN ONLY 0301-1111
 MINISPRAY JET - KIT W/ACCESSORIES 0301-1115
 POWDER HOPPER, 250 CM³ 0301-5500

Accessories available on request
 IBEDA safety devices are also available

MINISPRAY JET

Flame spraying gun for thermal spraying with powder using oxy-fuel gas flame. Function and safety are guaranteed through a gas mixture system using the injector principle.

The following fuel gases can be used: acetylene, propane, hydrogen in combination with oxygen as well as compressed air used for cooling purposes.

The MiniSpray Jet is designed for universal application where wear and corrosive protection have to be considered.

Because of its modular design, the standard gun MiniSpray Jet can be used for many applications (e.g. through nozzle extension, etc.)

Features

características

- Integrated powder transport system
- With the integrated gate valve many types of transport gas can be used
- Overhead position through removable and 180° changeable powder connection
- Just one powder connector with adjustable slider for different capacities

Areas of Use/Applications

Áreas de Uso/Aplicaciones

- **Metal powder coating**
for the hot and cold spraying techniques with self-flowing or metal and oxidized ceramic powders
- **Corrosion resistant coatings**
on the basis of low melting metal flame spraying powder (e.g. zinc and aluminium)
- **Plastic coatings**
many different types of thermoplastic and epoxy material



UNISPRAY JET - GUN ONLY 0301-1121
 UNISPRAY JET - KIT W/ACCESSORIES 0301-1000
 UNISPRAY JET SE - KIT W/ACCESSORIES 0301-1005
 POWDER HOPPER, 250 CM³ 0301-5500

Accessories available on request
 IBEDA safety devices are also available

UNISPRAY JET

Flame spraying gun for thermal spraying with powder using oxy-fuel gas flame. Function and safety are guaranteed through a gas mixture system using the injector principle. The flame spraying gun comes with a shut off valve to open and close the gas flow without changing the adjustment.

The following fuel gases can be used: acetylene, propane, hydrogen in combination with oxygen as well as compressed air used for cooling purposes.

The UniSpray Jet is designed for universal application where wear and corrosive protection have to be considered.

Because of its modular design, the standard gun UniSpray Jet can be used for many applications (e.g. through nozzle extension, etc.)

Features

características

- Integrated powder transport system
- With the integrated gate valve many types of transport gas can be used
- Overhead position through removable and 180° changeable powder connection
- Just one powder connector with adjustable slider for different capacities
- Lever to turn gas on and off without changing the settings
- Model for the connection of one external separate powder feeder (UniSpray Jet SE) or two external powder feeders (UniSpray Jet Dual)

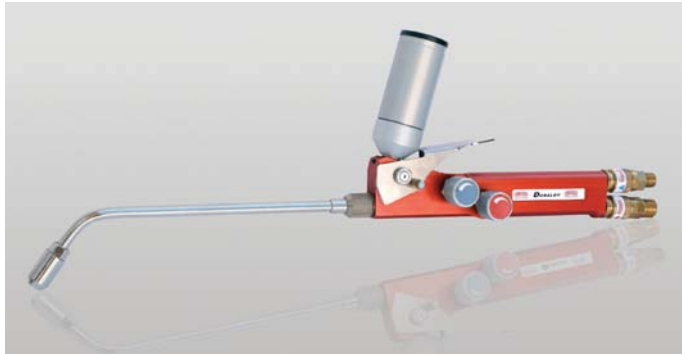
Areas of Use/Applications

Áreas de Uso/Aplicaciones

- **Metal powder coating**
for the hot and cold spraying techniques with self-flowing or metal and oxidized ceramic powders
- **Corrosion resistant coatings**
on the basis of low melting metal flame spraying powder (e.g. zinc and aluminium)
- **Plastic coatings**
many different types of thermoplastic and epoxy material

FLAME SPRAYING PRODUCTS WITH SUPERFLASH® SAFETY CONT.

ROCIADORES DE LLAMA CON ALTA SEGURIDAD DE SUPERFLASH



DURALOY TORCH KIT 0301-1131
IBEDA safety devices are also available

DURALOY

The Duraloy powder spray torch adds strength by manually spraying thin protective films on surfaces and over edges. Offers the addition of a high grade of coating to protect against abrasion, corrosion, erosion and cavitation that can be produced permanently and economically for low costs. Metal powders are sprayed and melted into the surface by a gas/oxygen flame. Rockwell hardness ranging from 25 - 65 HCR are possible. Machining of material is possible post production.

The following basic materials can be coated:
steel, grey iron, spherpheroidas graphite iron, annealed cast iron, copper and brass.

Features

características

- Modular design
- Easy fit welding/heating attachments
- Powder cartridges reduce set-up time
- Easy to change in the field of application
- Cost-efficient by using standard components and standard spare parts
- High level of operational safety
- Easy usage for difficult to reach components
- Tungsten Carbide inserts available for use with carbide powders (optional)
- Quick action couplings according to EN 561 for gas hoses (optional)
- Safety devices according to EN730 (optional)

Contents of the Kit

Contenidos de kits

- Duraloy torch with powder pot
- Welding tips size 1 - 5
- Heating tips size 4 and 5
- Universal – open-ended spanner
- Spare gaskets/seals – assortment

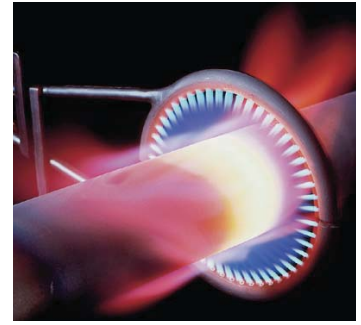


CUSTOMIZED RING BURNERS

HORNILLAS DE ANILLO

Our custom, built to your specifications, ring burners allow for the application of heat to piping, tubing, and cylindrical shapes of all types. We can design them to separate in half to allow manual application of heat and the BTU output to fit your applications needs.

IBEDA Manifolds are designed to work with custom heating solutions for a complete turnkey gas system. The following manifolds meet strict European safety standards and regulations (BAM-DIN). See page 25 for more information.



SIMPLEX MANIFOLDS RECOMMENDED FOR ACETYLENE



DUPLEX MANIFOLDS RECOMMENDED FOR PROPANE/ACETYLENE

SPLIT RING BURNER SERIES

PROPANE/NATURAL GAS
COMPRESSED AIR
MAX BTU: 309,172



ACETYLENE/OXYGEN
MAX BTU: 316,583



PROPANE/NATURAL GAS/AMBIENT AIR
MAX BTU: 318,006



SOLID RING BURNER SERIES

PROPANE/NATURAL GAS
COMPRESSED AIR
MAX BTU: 309,172



ACETYLENE/OXYGEN
MAX BTU: 316,583



PROPANE/NATURAL GAS/AMBIENT AIR
MAX BTU: 318,006



TORCH HANDLES

Torch handles are equipped with quick connectors or flashback arresters with quick connectors to CGA Class "B" connections (9/16").

All burners are for use with SuperFlash® handles.



0201-9000



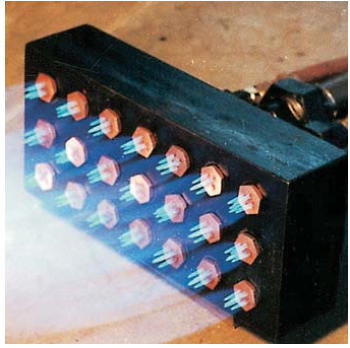
0201-9001



CUSTOMIZED RIBBON BURNERS

QUEMADORES DE CINTA

Our custom ribbon burners, built to your specifications, allow the specific application of the desired heat along the length of the work piece. We offer a wide variety of ribbon burners which are ideal for air-fuel gas and oxy-fuel gas applications. Gas mixers for the specific gas are included.



RIBBON BURNER SERIES

PROPANE/NATURAL GAS/COMPRESSED AIR

MAX BTU: 144,869
19.7" - 59.05" L x 2.2" H



ACETYLENE/OXYGEN

MAX BTU: 240,492
15.75" - 55.12" L x 1.58" H



PROPANE/NATURAL GAS/AMBIENT AIR

MAX BTU: 94,076
27.56" - 86.62" L x
1.82" - 2.166" H



SEE PAGE 20 FOR TORCH HANDLES



Special Applications Available

usos especiales disponibles

Contact one of our trained customer service agents to configure a system for you.



CUSTOMIZED HEATING NOZZLES

BOQUILLA PARA CALENTAMIENTO

Our custom heating nozzles, built to your specifications, and tip assemblies, include the gas mixer and are ideal for the manual application of heating.



HEATING NOZZLE SERIES

ACETYLENE/PROPANE/NATURAL GAS - OXYGEN

MAX BTU: 277,705
15.75" - 39.37" L x 1.97" - 9.83" H



ACETYLENE/OXYGEN

MAX BTU: 666,492
19.69" - 27.60" L x .87" - 9.83" TIP



PROPANE/NATURAL GAS - COMPRESSED AIR

MAX BTU: 212,006
9.85" - 27.56" L x .59" - 1.97" TIP



PROPANE/NATURAL GAS - OXYGEN

MAX BTU: 706,680
19.69" - 27.56" L x .87" - 1.30" TIP



PROPANE/NATURAL GAS - COMPRESSED AIR

MAX BTU: 251,754
9.85" - 19.68" L x 1.18" - 1.97" TIP



ACETYLENE/OXYGEN

MAX BTU: 666,492
27.56" L x 2.17" TIP



SEE PAGE 20 FOR TORCH HANDLES

Replacement Tips Available
extremidades del reemplazo disponibles



0201-9502



0201-9501



MANIFOLDS FOR CUSTOM HEATING SOLUTIONS

COLECTORES PARA SOLUCIONES EN CALENTAMIENTO

SuperFlash® manifolds work perfectly with our custom heating solutions for a complete turnkey gas system. Call us or visit our website at www.oxyfuelsafety.com for our Rapid Response Request Form and we will help you select the correct gas manifold to meet your custom heating solution needs. The following manifolds meet strict European safety standards and regulations (BAM - DIN).



SSMS-2B-L-580

CUSTOM SIMPLEX MANIFOLD

MODEL	LEFT HEADER (# OF CYLINDERS)	RIGHT HEADER (# OF CYLINDERS)	GAS SERVICE
SSMS 30-125 PSIG Acetylene (0-15 PSIG) LPG (0-30 PSIG)	24" Pigtails 1A-L 2A-L 3A-L 4A-L 5A-L 6A-L 36" Pigtails 1B-L 2B-L 3B-L 4B-L 5B-L 6B-L	24" Pigtails 1A-R 2A-R 3A-R 4A-R 5A-R 6A-R 36" Pigtails 1B-R 2B-R 3B-R 4B-R 5B-R 6B-R	300 - Acetylene 320 - Carbon Dioxide 326 - Nitrous Oxide 346 - Air 350 - Fuel gases (Methane) 350H - Hydrogen 510 - Propane, LPG Fuel Gas 510A - Acetylene 540 - Oxygen 580 - Argon/Nitrogen 580H - Helium 590 - Industrial Air

Features

características

- Maximum inlet pressure 3000 PSIG
- Acetylene systems (CGA 510) include dry type flash arresters on pigtail end
- All systems include SS Braided pigtails with PTEF lined inner core except those for Helium and Hydrogen which have a thermoplastic inner core



DSMS-2B-2B-580

CUSTOM DUPLEX MANIFOLD

MODEL	LEFT HEADER (# OF CYLINDERS)	RIGHT HEADER (# OF CYLINDERS)	GAS SERVICE
DSMS 30-125 PSIG Acetylene (0-15 PSIG) LPG (0-30 PSIG)	24" Pigtails 1A 2A 3A 4A 5A 36" Pigtails 1B 2B 3B 4B 5B	24" Pigtails 1A 2A 3A 4A 5A 36" Pigtails 1B 2B 3B 4B 5B	300 - Acetylene 320 - Carbon Dioxide 326 - Nitrous Oxide 346 - Air 350 - Fuel gases (Methane) 350H - Hydrogen 510 - Propane, LPG Fuel Gas 510A - Acetylene 540 - Oxygen 580 - Argon/Nitrogen 580H - Helium 590 - Industrial Air

PRESSURE MANIFOLD CHANGEOVER

COLECTOR A PRESIÓN PARA CAMBIO MÚLTIPLE

SuperFlash's manifold changeover is simple and easy to use. Prevent down time and the possible problem of running out of gas with this easy to use solution. When the cylinder batch is depleted, the manifold switches over to a reserve bank of cylinders. After replacing the cylinders the operator resets the unit simply by turning the lever.

PRESSURE MANIFOLD CHANGEOVER FOR GAS CYLINDERS

COLECTOR DE CAMBIO A PRESIÓN PARA CILINDROS DE GAS



Features

características

- Electrical - 115 v. (AC).
- Master shut off valves included
- All systems include stainless braided pigtails with PTFE lined inner core except Helium and Hydrogen systems which have a thermoplastic inner core.
- Acetylene systems include: 300 SCFH flashback arrester and piping. Stainless steel braided pigtails with individual flashback arresters and check valves.
- Connects to remote alarm systems. Up to 3 amps 30 v. (DC) or 2 amps 250 v. (AC)
- Manifold outlet - 1/2" NPT.
- Relief valve outlet - 3/4" NPT.
- 1/2" brass headers

Specifications

especificaciones

- MAXIMUM INLET PRESSURE

220	3000 PSIG
220 (CO ₂ ,N ₂ O)	2000 PSIG
200 (Acetylene, LPG)	400 PSIG
220HL (CO ₂ ,N ₂ O)	2000 PSIG
220HP	3000 PSIG
220HP (CO ₂ ,N ₂ O)	2000 PSIG
- MAXIMUM FLOW RATE

220	1200 SCFH
220 (Acetylene)	300 SCFH
200 (LPG)	400 SCFH
220 (CO ₂ ,N ₂ O)	35 SCFH
220HL (CO ₂ ,N ₂ O)	500 SCFH
220HP	2000 SCFH
- INTERNAL ADJUSTABLE LINE REGULATOR

220 and 220HL	30-125 PSIG
Acetylene	0-15 PSIG
LPG	0-30 PSIG
220	50-200 PSIG

OPTIONAL REMOTE ALARM SET UPS

DISPOSICIONES OPCIONALES DE LA ALARMA REMOTA

Visual Alarm Panel

Panel de alarma visual

Contains Green LED to indicate service side manifold is in use. Red LED to indicate the control unit has switched to the reserve manifold and a change out is needed.

Audio/Visual Alarm Panel

Panel de alarma visual y audio

Contains the same Red and Green LED indicator lights as the visual alarm panel with an additional audible buzzer. Remote alarm has a mute button to silence the buzzer rated at 75 decibels at 100 centimeters.



0401-3200

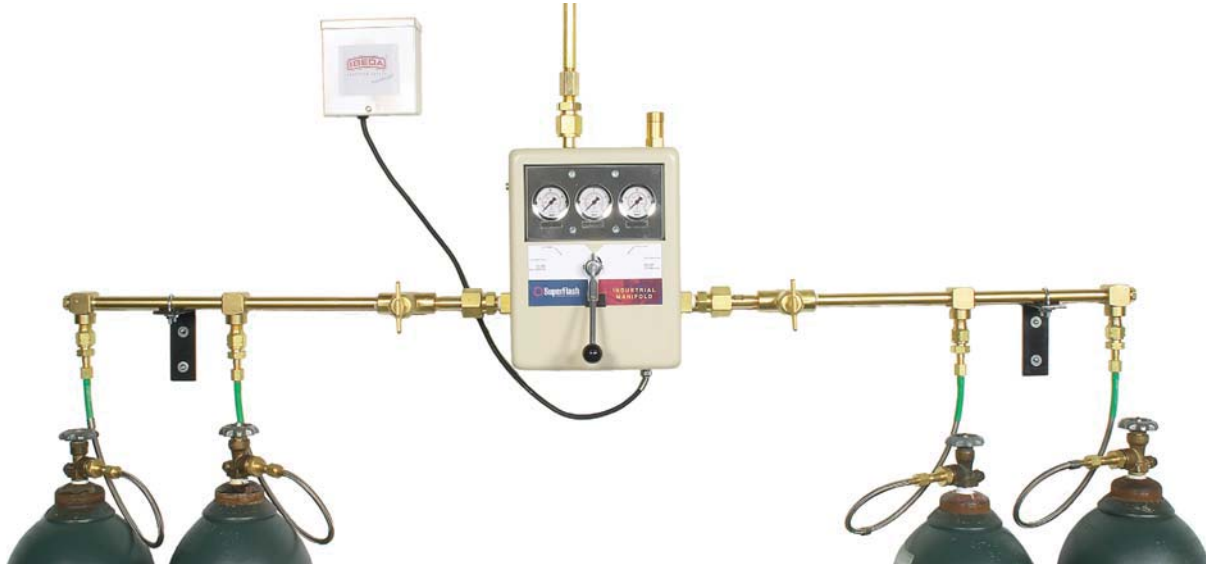
REMOTE ALARM SYSTEMS

PART NO.	DESCRIPTION
0401-3200	Visual Alarm, 24 V
0401-3210	Two Gas Audio/Visual Alarm, 24 VAC
0401-3215	Audio/Visual Alarm, 24 VAC



HOW TO CONFIGURE YOUR CUSTOM GAS MANIFOLD

COMO CAMBIAR UN COLECTOR DE GAS



CUSTOM GSC MANIFOLD

MODEL	LEFT HEADER (# OF CYLINDERS)	RIGHT HEADER (# OF CYLINDERS)	GAS SERVICE
GSC 30-125 PSIG Acetylene (0-15 PSIG) LPG (0-30 PSIG)	24" Pigtails 1A 2A 3A 4A 5A	24" Pigtails 1A 2A 3A 4A 5A	300 - Acetylene 320 - Carbon Dioxide 326 - Nitrous Oxide 346 - Air 350 - Fuel gases (Methane) 350H - Hydrogen 510 - Propane, LPG Fuel Gas
GSCL 30-125 PSIG CO ₂ N ₂ O (50 SCFH heater included)	36" Pigtails 1B 2B 3B 4B 5B	36" Pigtails 1B 2B 3B 4B 5B	510A - Acetylene 540 - Oxygen 580 - Argon/Nitrogen 580H - Helium 590 - Industrial Air
GSCH 50-200 PSIG For high delivery pressure up to 200 PSIG max.			

POPULAR CONFIGURATION EXAMPLES

CONFIGURACIONES POPULARES

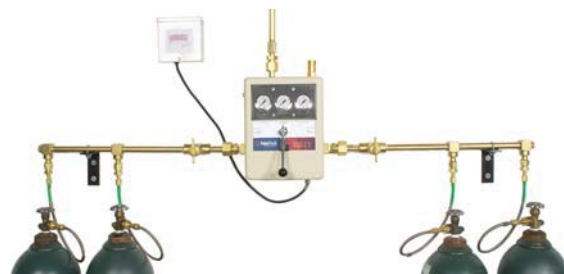
GSC-1A-1A-580

Pressure Manifold Changeover for CGA-580 connections (Nitrogen) with one 24" pigtail connection on the left and right side banks.



GSC-2A-2A-540

Pressure Manifold Changeover for CGA-540 connections (Oxygen) with two 24" pigtail connections on the left and right side banks.



PRESSURE MANIFOLD CHANGEOVER FOR LIQUID CYLINDERS

COLECTOR A PRESIÓN PARA CAMBIO MÚLTIPLE CON CILINDROS DE LIQUIDO



Features

características

- 240 Series for use with 235 PSIG relief valve liquid cylinders
- 240HP Series for use with 350 PSIG relief valve liquid cylinders
- Electrical - 115 v.
- Connects to remote alarm systems* Up to 3 amps 30 v. (DC) or 2 amps 250 v. (AC)
- Manifold outlet - 1/2" NPT
- Relief valve outlet - 1/4" NPT

*See page 24 for remote alarm systems

Specifications

especificaciones

Maximum inlet pressure 350 PSIG

• MAXIMUM FLOW RATE

240	750 SCFH
240HP	800 SCFH

• ADJUSTABLE LINE REGULATOR

240	40-85 PSIG
240HP	40-180 PSIG
LPG	0-30 PSIG
220	50-200 PSIG

• MINIMUM INLET

240	125 PSIG
240HP	250 PSIG



HOW TO CONFIGURE YOUR CUSTOM LIQUID MANIFOLD

COMO CONFIGURAR COLECTOR DE GAS LIQUIDO



CUSTOM PBC MANIFOLD

MODEL	LEFT HEADER (# OF CYLINDERS)	RIGHT HEADER (# OF CYLINDERS)	GAS SERVICE
PBC for use with 235 PSIG relief valve Liquid Cylinders	72" Pigtails 1A 2A 3A 4A	72" Pigtails 1A 2A 3A 4A	320 - Carbon Dioxide 326 - Nitrous Oxide 540 - Oxygen 580 - Argon/Nitrogen
PBCH for use with 350 PSIG relief valve Liquid Cylinders	72" Pigtails 1B 2B 3B 4B	72" Pigtails 1B 2B 3B 4B	

POPULAR CONFIGURATION EXAMPLES

CONFIGURACIONES POPULARES

PBC-1A-1A-580

Pressure Manifold Changeover for CGA-580 connections (Nitrogen) with one 24" pigtail connection on both the left and right side banks.



DUPLEX MANIFOLD SYSTEM

SISTEMA DE COLECTOR DUAL

The Model DMS duplex manifold system allows for switching from a supply bank of cylinders to a reserve bank of cylinders instantly. Operation is as simple as opening the appropriate header valve when a bank gets low and replacing the empty bank's cylinders. See below for how we can design a manifold to meet your needs.



DMS-2A-2A-580

Features

características

- Maximum inlet pressure 3000 PSIG
- Acetylene systems (CGA 510) include dry type flash arresters on pigtail end
- All systems include Stainless Braided pigtails with PTFE lined inner core except those for Helium and Hydrogen which have a thermoplastic inner core

HOW TO CONFIGURE YOUR CUSTOM MANIFOLD

COMO CONFIGURAR COLECTOR

CUSTOM DUPLEX MANIFOLD			
MODEL	LEFT HEADER (# OF CYLINDERS)	RIGHT HEADER (# OF CYLINDERS)	GAS SERVICE
DMS 30-125 PSIG Acetylene (0-15 PSIG) LPG (0-30 PSIG)	24" Pigtails	24" Pigtails	300 - Acetylene 320 - Carbon Dioxide 326 - Nitrous Oxide 346 - Air 350 - Fuel gases (Methane) 350H - Hydrogen 510 - Propane, LPG Fuel Gas 510A - Acetylene 540 - Oxygen 580 - Argon/Nitrogen 580H - Helium 590 - Industrial Air
	1A	1A	
	2A	2A	
	3A	3A	
	4A	4A	
	5A	5A	
	36" Pigtails	36" Pigtails	
	1B	1B	
	2B	2B	
	3B	3B	
	4B	4B	
	5B	5B	



SIMPLEX MANIFOLD SYSTEM

SISTEMA DE COLECTOR SENCILLA

The Model SMS simplex manifold system allows for a supply bank of cylinders to be connected together to allow for a larger volume of gas withdrawal. Typical applications with high flow requirements and liquid fuel gases. Operation is as simple as opening the cylinder valves and setting the regulator. See below for how we can design a manifold to meet your needs.



Specifications

especificaciones

- Maximum inlet pressure 350 PSIG
- Includes adjustable line regulator
 - MS 20-160 PSIG
 - Acetylene 0-15 PSIG
 - LPG 0-45 PSIG
 - MSHF 50-300 PSIG
- Manifold outlet: 1/2" NPT
- 24" flexible stainless steel pigtails with check valves
- 1/2" brass headers
- Simplex and Duplex Acetylene systems includes flashback arrester, pigtails, and check valves



SMS-3B-R-580

CUSTOM SIMPLEX MANIFOLD

MODEL	LEFT HEADER (# OF CYLINDERS)	RIGHT HEADER (# OF CYLINDERS)	GAS SERVICE
SMS 30-125 PSIG Acetylene (0-15 PSIG) LPG (0-30 PSIG)	24" Pigtails 1A-L 2A-L 3A-L 4A-L 5A-L 6A-L 36" Pigtails 1B-L 2B-L 3B-L 4B-L 5B-L 6B-L	24" Pigtails 1A-R 2A-R 3A-R 4A-R 5A-R 6A-R 36" Pigtails 1B-R 2B-R 3B-R 4B-R 5B-R 6B-R	300 - Acetylene 320 - Carbon Dioxide 326 - Nitrous Oxide 346 - Air 350 - Fuel gases (Methane) 350H - Hydrogen 510 - Propane, LPG Fuel Gas 510A - Acetylene 540 - Oxygen 580 - Argon/Nitrogen 580H - Helium 590 - Industrial Air



MANIFOLD ACCESSORIES

ACCESORIOS DE COLECTORES

REMOTE ALARMS

ALARMAS REMOTAS

Visual Alarm Panel

Panel de alarma visual

Contains Green LED to indicate service side manifold is in use. Red LED to indicate the control unit has switched to the reserve manifold and a change out is needed.



DIMENSIONS
4" H X 2-9/16" W X 1-5/8" D

Audio/Visual Alarm Panel

Panel de alarma visual y audio

Contains the same Red and Green LED indicator lights as the visual alarm panel with an additional audible buzzer to alert the operator of the need for a change out. Remote alarm has a mute button to silence the buzzer rated at 75 decibels at 100 centimeters.

Two Gas Audio/Visual Alarm Panel

Panel de alarma visual y audio de gas doble

Same as the above remote alarm panels, but with warnings for two gas manifolds in the same box.

REMOTE ALARM SYSTEMS

PART NO.	DESCRIPTION
0401-3200	Visual Alarm, 24 V
0401-3210	Two Gas Audio/Visual Alarm, 24 VAC
0401-3215	Audio/Visual Alarm, 24 VAC

Power Supplies

Fuentes de poder

Replacement power supply for all cabinet style manifolds. Converts typical 110 v. (AC) to 24 v. (AC) for use with cabinet manifolds and remote alarms.



REPLACEMENT POWER SUPPLY

POWER SUPPLY

PART NO.	DESCRIPTION
0401-3300	For use with SMS and DMS
0401-3315	For use with GSC, GSCL, GSCH, PBC and PBCH cabinet style manifold

Fuel Gas Alarm Kits

Kits para alarma de gas combustible

This alarm kit is designed specifically for use with manifold fuel gases. The kit comes complete with remote visual and audible alarm, pressure switch, connection fittings, and required 24 v. (AC) transformer.

FUEL GAS ALARM KITS

PART NO.	DESCRIPTION
0401-3330	Acetylene models
0401-3331	Hydrogen models
0401-3332	LPG models



FUEL/GAS ALARM KIT

Automatic Gas Heater

calentador de gas automático

Automatic Gas Heaters are designed for use with carbon dioxide and nitrous oxide. Gas heaters prevent regulator freeze up and provide optimal gas flow. It can be used for service pressures of up to 3000 PSIG and requires 115 v. (AC) and draws 10 amps.



GAS HEATER

AUTOMATIC GAS HEATERS

PART NO.	DESCRIPTION	GAS SERVICE	CAPACITY
0401-3340	Gas Heater	Carbon Dioxide (CGA-320)	1,000 SCFH
0401-3341	Gas Heater	Nitrous Oxide (CGA-326)	1,000 SCFH
0401-3342	Manifold Adapter	Carbon Dioxide (CGA-320)	
0401-3343	Manifold Adapter	Nitrous Oxide (CGA-326)	



MANIFOLD ACCESSORIES/REGULATORS

ACCESORIOS DE COLECTOR/REGULADOR



PRESSURE SWITCH, 0401-3104

PRESSURE SWITCHES						
PART NO.	DESCRIPTION	PRESSURE RANGE (PSIG)	MAXIMUM INLET (PSIG)	WETTED MATERIALS	ENCLOSURE CLASSIFICATION	ELECTRICAL CONNECTION
0401-3101	Explosion proof	30-300	800	S.S. Bellows	NEMA4, 7, 9, IP66	3/4" NPT
0401-3102	Explosion proof	5-50	75	Brass Bellows	NEMA4, 7, 9, IP66	3/4" NPT
0401-3103	General Purpose	100-1000	10,000	S.S piston & BUNA "N" o-ring	NEMA4	1/2" NPT
0401-3104	General Purpose	200-3000	10,000	S.S piston & BUNA "N" o-ring	NEMA4	1/2" NPT
0401-3105	High/Low Switch	0-300	350	Phosphor Bronze Bellows	NEMA4	7/8" Dia. Knockout
0401-3106	General Purpose	20-200	250	Phosphor Bronze Bellows	NEMA4	1/2" NPT & 7/8" Dia. Knockout
0401-3107	High/Low Switch	0-100	125	Brass Bellows	NEMA4,7, 9, IP66	7/8" Dia. Knockout
0401-3108	General Purpose	20-200	250	316 S.S. Bellows	NEMA4	1/2" NPT
0401-3109	General Purpose	100-1700	2500	316 S.S. Bellows	NEMA4	1/2" NPT
0401-3110	High/Low Switch	20-200	250	316 S.S. Bellows	NEMA4	7/8" Dia. Knockout
0401-3111	High/Low Explosion Proof	0-100	125	Brass Bellows	NEMA4,7, 9, IP66	3/4" NPT Female

MANIFOLD REGULATORS					
PART NO.	DESCRIPTION	MAX INLET (PSIG)	DELIVERY RANGE (PSIG)	INLET CONNECTION	OUTLET CONNECTION
0401-4010	Acetylene	400	1-15	1-11 1/2" NPS LH M	1-11 1/2" NPS LH F
0401-4011	Compressed Air	3000	20-160	1-11 1/2" NPS RH M	1-11 1/2" NPS RH F
0401-4012	Carbon Dioxide	3000	0-15	1-11 1/2" NPS RH M	1-11 1/2" NPS RH F
0401-4019	Carbon Dioxide	3000	20-160	1-11 1/2" NPS RH M	1-11 1/2" NPS RH F
0401-4013	Hydrogen	3000	20-160	1-11 1/2" NPS LH M	1-11 1/2" NPS LH F
0401-4020	Hydrogen	3000	0-15	1-11 1/2" NPS LH M	1-11 1/2" NPS LH F
0401-4014	Nitrogen, Helium & Argon	3000	0-15	1-11 1/2" NPS RH M	1-11 1/2" NPS RH F
0401-4021	Nitrogen, Helium & Argon	3000	20-160	1-11 1/2" NPS RH M	1-11 1/2" NPS RH F
0401-4015	Nitrous Oxide	3000	0-15	1-11 1/2" NPS RH M	1-11 1/2" NPS RH F
0401-4022	Nitrous Oxide	3000	20-160	1-11 1/2" NPS RH M	1-11 1/2" NPS RH F
0401-4016	Oxygen	3000 950	20-160	1-11 1/2" NPS LH M	1-11 1/2" NPS LH F
0401-4017	LPG Fuel Gas	400	0-45	1-11 1/2" NPS LH M	1-11 1/2" NPS LH F



O₂ MANIFOLD REGULATOR, 0401-4016



FLOWMETER, 0401-5003

FLOWMETERS		
PART NO.	GAS SERVICE	RANGE
0401-5002	Nitrogen	0-100 SCHF
0401-5003	Argon/Carbon Dioxide	0-70 SCHF
0401-5004	Air	0-15 LPM

Flowmeters allow for precision flow control; add this to your manifold system for use with MIG & TIG welding, and many other flow critical Laboratory & Industrial situations.



1/2" NPT MASTER VALVE, 0401-6001

MASTER VALVES	
PART NO.	DESCRIPTION
0401-6001	1/2" NPT Female inlet & outlet
0401-6003	3/4" NPT Female inlet & outlet

Replacement high pressure manifold valve with NPT Female connections, for use with non-corrosive gases.

MANIFOLD ACCESSORIES/REGULATORS

ACCESORIOS DE COLECTOR/REGULADOR



REPLACEMENT ACETYLENE HEADER VALVE, 0401-6050

REPLACEMENT CGA HEADER VALVES		
PART NO.	GAS SERVICE	CGA NUMBER
0401-6050	Argon, Helium, Nitrogen	CGA-580
0401-6051	Compressed Air	CGA-346
0401-6052	Carbon Dioxide	CGA-320
0401-6053	Oxygen	CGA-540
0401-6054	Nitrous Oxide	CGA-326
0401-6055	Hydrogen	CGA-350
0401-6056	Acetylene	CGA-510
0401-6057	Acetylene	CGA-300
0401-6058	Industrial Air	CGA-590

LINE DROP ACCESSORIES

ACCESORIOS PARA BAJAS DE LÍNEA

Line Drops are available from SuperFlash® to meet your needs. Contact our customer service department if you have special requirements. All line drops come complete with in-line shut-off valve, drip leg and outlet cap and chain. No assembly required. Available in 1/2" or 3/4" pipe with CGA "C" size, 7/8" Male outlet connection.

LINE DROPS			
PART NO.	OUTLET CONNECTION	LENGTH	GAS SERVICE
LDA - 1-(x)	1/2" Single Outlet	25"	(1) Acetylene
LDA - 2-(x)	3/4" Single Outlet	25"	(2) Argon
LDA - 3-(x)	1/2" Double Outlet	35"	(3) Carbon Dioxide
LDA - 4-(x)	3/4" Double Outlet	35"	(4) Compressed Air
			(5) Helium
			(6) Hydrogen
			(7) Nitrogen
			(8) Nitrous Oxide
			(9) Oxygen
			(10) Propane, LPG, Fuel Gas



LINE VALVE, 0401-6081

Line Valve Válvula en línea

Replacement line valve for line drops with a maximum working pressure of up to 600 PSIG. It is cleaned for O₂, has a steel handle, Teflon® Seals, bronze body, and chrome plated ball.



LINE VALVE BYPASS, 0401-6099

Line Valve Bypass Válvula en línea de sobrepaso

Install a bypass valve when performing line maintenance and you can continue to operate off a reserve gas supply while working on your manifold.

LINE VALVES

PART NO.	DESCRIPTION
0401-6080	1/4" NPT Female
0401-6081	1/2" NPT Female
0401-6082	3/4" NPT Female

LINE VALVE BYPASS

PART NO.	DESCRIPTION
0401-6097	1/4" NPT Female
0401-6099	1/2" NPT Female
0401-6098	3/4" NPT Female

LINE DROP ACCESSORIES CONT.

ACCESORIOS PARA BAJAS DE LÍNEA



O₂ LINE REGULATOR
0401-1100

Line Station Regulator *regulador de estación en línea*

Line Station regulators have a maximum inlet pressure of 200 PSIG and are designed to provide accurate delivery pressures.

LINE STATION REGULATORS

PART NO.	APPLICATIONS	DELIVERY PRESSURE (PSIG)	CAPACITY SCFH	INLET CONNECTION	OUTLET CONNECTION
0401-1100	Oxygen	0-125	760	7/8"-14 RH, CGA-024	9/16"-18 RH, CGA-022
0401-1101	Acetylene	0-15	420	7/8"-14 LH, CGA-025	9/16"-18 LH, CGA-023
0401-1102	Fuel Gas	0-50	640	7/8"-14 LH, CGA-025	9/16"-18 LH, CGA-023
0401-1104	Oxygen	0-50	600	7/8"-14 RH, CGA-024	9/16"-18 RH, CGA-022
0401-1105	Oxygen	0-200	475	7/8"-14 RH, CGA-024	9/16"-18 RH, CGA-022



HIGH VOLUME LINE REGULATOR
0401-1302

High Volume Station Regulator *regulador de estación en línea de alto volumen*

High Volume Line Station regulators have a maximum inlet pressure of 400 PSIG and are designed to provide accurate delivery pressure while giving the gas flow required.

HIGH VOLUME INLINE REGULATOR

PART NO.	INLET/OUTLET CONNECTION (FEMALE)	DELIVERY PRESSURE (PSIG)	CAPACITY SCFH	GAUGE PRESSURE RANGE
0401-1300	1/2" NPT	5-55	3000	0-100
0401-1301	3/4" NPT	40-110	11000	0-200
0401-1302	1/2" NPT	40-110	5000	0-200
0401-1303	1/2" NPT	100-200	3500	0-400
0401-1304	3/4" NPT	100-200	6000	0-400
0401-1305	1" NPT	100-200	6000	0-400



LINE VALVE W/CAP
0401-1403

Replacement Line Station Valves

reemplazo de válvulas de estación en línea

REPLACEMENT LINE STATION VALVES

PART NO.	DESCRIPTION
0401-1400	Plain valve, Oxygen & Inert Gases
0401-1401	Plain valve, Fuel Gases
0401-1402	With gas tight cap & chain, Oxygen & Inert Gases
0401-1403	With gas tight cap & chain, Fuel Gases
0401-1404	With dust cap & chain, Oxygen & Inert Gases
0401-1405	With dust cap & chain, Fuel Gases



MANIFOLD CONNECTIONS AND FITTINGS

CONEXIONES Y ADAPTADORES PARA COLECTORES



MANIFOLD CONNECTIONS
0401-1651 & 0401-1630



UNION ADAPTER
0401-1600

UNION ADAPTERS			
PART NO.	OUTLET	INLET	LENGTH
0401-1600	1/2" NPT	1"-11 1/2" NPS RH	2.187"
0401-1601	1/2" NPT	1"-11 1/2" NPS LH	2.187"
0401-1602	3/4" NPT	1"-11 1/2" NPS RH	2.230"
0401-1603	3/4" NPT	1"-11 1/2" NPS LH	2.230"
0401-1604	3/8" NPT	1"-11 1/2" NPS RH	3.125"
0401-1605	3/8" NPT F	1"-11 1/2" NPS LH	3.125"

TAILPIECES		
PART NO.	MALE THREAD	LENGTH
0401-1650	3/8" NPT	2.40"
0401-1651	1/2" NPT	2.40"

UNION NUTS		
PART NO.	FEMALE THREAD	LENGTH
0401-1630	1"-11 1/2" NPS RH	1.75"
0401-1631	1"-11 1/2" NPS LH	1.75"

Pressure Relief Valves

válvulas de descarga de presión

Pressure relief valves are used to relieve excess pressure; not for use with corrosive gases or liquid cryogenic applications.



PRESSURE RELIEF VALVE
PRV-4-125

PRESSURE RELIEF VALVES			
1/4" NPT (WITH WEEP HOLE)	PRESSURE RELIEVED AT	1/2" NPT (WITHOUT WEEP HOLE)	PRESSURE RELIEVED AT
PRV-4-22	22 PSI	PRV-2-60	60 PSI
PRV-4-35	35 PSI	PRV-2-75	75 PSI
PRV-4-50	50 PSI	PRV-2-100	100 PSI
PRV-4-125	125 PSI	PRV-2-200	200 PSI
PRV-4-200	200 PSI	PRV-2-250	250 PSI
PRV-4-235	235 PSI	PRV-2C-300*	300 PSI
PRV-4-250	250 PSI	PRV-2-300	300 PSI
PRV-4-300	300 PSI	PRV-2-350	350 PSI
PRV-4-350	350 PSI	PRV-2-375	375 PSI
PRV-4C-350*	350 PSI	PRV-2-450	450 PSI
PRV-4-400	400 PSI	PIPE AWAY ADAPTER (1/4" models): PRV-4-ADP	
PRV-4C-400*	400 PSI	PIPE AWAY ADAPTER (1/2" models): PRV-2-ADP	
PRV-4C-450*	450 PSI		

*CO₂ Models

Check Valve Outlets 1/2" NPT x CGA Connection

enchufes de la válvula de cheque

Check valve outlets prevent gas loss on manifold connections when changing cylinders.



CHECK VALVE OUTLET
0401-1800

CHECK VALVE OUTLETS 1/2" NPT X CGA CONNECTION		
PART NO.	CGA NUMBER AND GAS SERVICE	WORKING PRESSURE (PSIG)
0401-1800	CGA-540 Oxygen, RH Male	3000
0401-1801	CGA-580 Helium, RH Female	3000
0401-1802	CGA-326 Nitrous Oxide, RH Male	3000
0401-1803	"C" Size - 7/8"-14 RH-Inert Gases	200
0401-1804	"C" Size - 7/8"-14 LH Water and Industrial Air	200
0401-1805	CGA-346 Compressed Air, RH Male	3000
0401-1806	CGA-320 Carbon Dioxide, RH Male	3000
0401-1807	CGA-300 Acetylene, LH Male	500
0401-1808	CGA-350 Hydrogen, LH Male	3000
0401-1809	CGA-510 Acetylene, LH Female	500



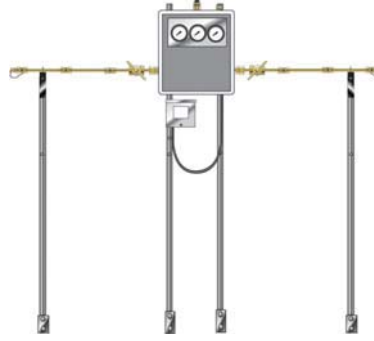
MANIFOLD MOUNTING AND CYLINDER SECURING

MONTAJE DE COLECTORES Y SUJECCIÓN DE CILINDROS

Manifold Floor Stands

soportes de piso para colectores

Manifold floor stands are designed to be free-standing and are available for all of SuperFlash's gas manifolds. Select the floor stand for the style manifold you have and add the number of connections from your manifold to the end of the part number.
Ex. CM-4-4 or OM-2-2



CABINET STYLE FLOOR STAND,
CM-3-3

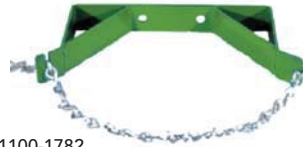


OPEN STYLE FLOOR STAND,
OM-2-2

Wall Brackets for Supply Cylinders

soportes de pared para estación de cilindros

Keep your supply cylinders secured safely with SuperFlash's wall brackets. Our wall brackets are available in single or double sizes and with chains or straps.



1100-1782
WALL BRACKET WITH CHAIN FOR
M OR H CYLINDERS 11"W X 6"D



1100-1783
DOUBLE WALL BRACKET WITH CHAIN
FOR M OR H CYLINDERS 22"W X 7"D



1100-1780
WALL BRACKET WITH STRAP FOR
M OR H CYLINDERS 11"W X 6"D



1100-1781
DOUBLE WALL BRACKET WITH
STRAP FOR M OR H CYLINDERS
22"W X 7"D

Manifold Wall Bracket and Cylinder Stand

soportes de pared para cilindros y colectores

Mount your manifold to the wall securely with our heavy duty mounting bracket, which comes complete with pre-drilled holes and U-Bolt to secure manifold. Use our single cylinder stand when cylinders cannot be chained or secured.



1100-1740
MANIFOLD WALL
MOUNTING BRACKET



1100-1835
SINGLE STAND FOR M-60, M, H,
& T CYLINDERS, 7" TO 9.5"
DIAMETER CYLINDER
12"H X 18"D X 18"W

LIQUID TO GAS OXYGEN REFILLING SYSTEM

SISTEMA DE RELLENO DE LIQUIDO A GAS OXIGENO

The SuperFlash® OF-700 series liquid to gas system is perfect for companies that have more than 100 cylinders filled for them each week. This system is also ideal for gas to gas refillers who are looking to reduce labor costs and increase productivity.

Benefits of the OF-700

Beneficios del OF-700

- Reliable cryogenic pump
- Quiet operation
- Compact stainless steel skid (36" H x 66" D x 75" W)
- Completely piped – only requires outside ventilation lines
- Easy to maintain
- Dual manifolds (included) allows operator to manage two batches at once
- Multiple repetitive safety features



OF-700 LIQUID TO GAS FILLING SYSTEM

OF-757 Non-Fillers

Turn Key Package

Paquete completo del OF-757 estación de relleno solo para distribución

- Includes all items necessary for FDA compliance
- OXYFILL™ Liquid to Gas system. 230 v. 3 phase electrical*
- H and E manifolds for OF-700 system
- Super-duty (rotary vane) vacuum pump system, 10 CFM oil-less operation
- Two (2) 20 cylinder mobile filling racks
- Policy model, required forms and OxyQuick Software
- In-service seminar, training and installation. Consists of one day (4 - 8 hours) – travel expenses not included
- Cryogenic accessory package
- BUNDLING "B" OPTION: Bundles OF-940 oxygen analyzer with accuracy of +/- 0.1%, two (2) calibration regulators, label gun, LCD thermometer, and preprinted labels
- FDA SENIOR STARTER KIT: contains label gun, labels, test gauge, vacuum test gauge, LCD thermometer, 1000 preprinted cylinder tags, 1000 plastic valve seals, 1000 full/empty tags, and 1 gallon of leak test solution
- Nitrogen pre-fill odor test kit
- Required forms binder, model policy manual and training course
- Aluminium cylinder CGA 540, filled with oxygen spec. gas
- Aluminium cylinder CGA 580, filled with nitrogen spec. gas

*Single Phase model available

OF-767 Current Fillers

Turn Key Upgrade Package

Paquete completo del OF-767 para autorizados en relleno de tanques

- Includes necessary items to upgrade from gas to gas system
- OXYFILL™ Liquid to Gas system. 230 v. 3 phase electrical*
- H and E manifolds for OF-700 system
- Super-duty (rotary vane) vacuum pump system, 10 CFM oil-less operation
- Two (2) 20 cylinder mobile filling racks
- Policy model, required forms and OxyQuick Software
- In-service seminar, training and installation. Consists of one day (4 - 8 hours) – travel expenses not included
- Cryogenic accessory package
- Nitrogen pre-fill odor test kit
- Nitrogen DOT aluminium cylinder CGA 580 filled with nitrogen NF gas.

*Single Phase model available

TYPICAL GAS COST PER CYLINDER

M-6 . . . \$0.37	D . . . \$0.45
C . . . \$0.40	E . . . \$0.55



CYLINDER FILLING OPTIONS

OPCIONES PARA EL RELLENO DE CILINDROS

Increase productivity and save with CGA-870 quick connectors

Incremento de productividad y ahorro de tiempo con desconexión rápida CGA-870



High Speed Oxygen Quick Connector (CGA-870)

Adaptador desconexión rápida de alta velocidad para oxígeno (CGA-870)

- Lever action makes changing cylinders fast and easy
- 2.5 times faster than standard yoke connections
- More and faster production from each filling rack or station
- All brass and stainless steel construction for maximum safety and durability
- Gas pressure locks the cylinder in place until safely vented
- BAM (DIN) certified for Oxygen service
- Available with 1/4" NPT Male and 1/2" NPT Male connections
- Meets CGA standard CGA-870 and other requirements

View Quick Connector video demonstrations at www.oxyfuelsafety.com



Economy Oxygen Quick Connector (CGA-870)

Adaptador desconexión economía para oxígeno (CGA-870)

- Turn the adjusting knob less than one full turn and cylinder is locked in place.
- Lightweight yet durable for years of service.
- Faster unloading and loading of all sizes of post valves.
- Added safety and confidence because the cylinder can't be released until the valve is closed and gas pressure relieved.
- Installs easily on popular filling racks.
- Lower cost single turn quick connector provides fast change over
- Made from corrosion resistant aircraft grade aluminum and stainless steel.
- Side loading
- Gas pressure automatically locks the cylinder in place until safely vented.
- Available with 1/2" NPT Male connections. Meets CGA standard CGA-870 and other requirements.

HIGH SPEED OXYGEN QUICK CONNECTOR

PART NO.	INLET	CONNECTION/USE
1109-9931-1	1/4" NPT M	CGA-870 for Inverted Racks
1109-9932-1	1/2" NPT M	CGA-870 for Standard Racks

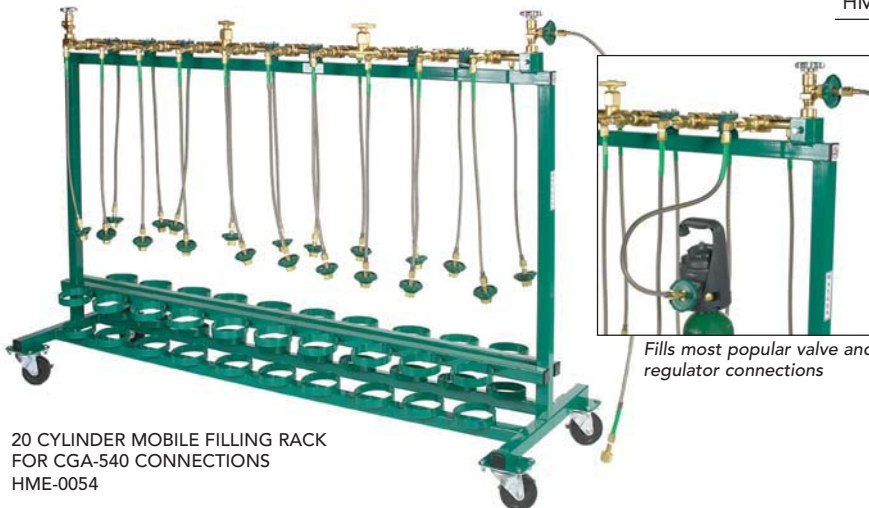
ECONOMY OXYGEN QUICK CONNECTOR

PART NO.	INLET	CONNECTION/USE
1109-9940	1/4" NPT M	CGA-870 for Standard Racks

Specialty Fill Racks

Special fill rack for

CGA-540 (most built-in regulator connections)



Fills most popular valve and regulator connections

MOBILE FILL RACKS

PART NO.	CAPACITY	DIMENSIONS
HME-0053	18 Cylinders	52" H x 65-1/8" D x 24" W
HME-0054	20 Cylinders	52" H x 71-3/8" D x 24" W



Easy to use calibration/validation kit.

1110-0424

20 CYLINDER MOBILE FILLING RACK FOR CGA-540 CONNECTIONS
HME-0054

MULTI-CYLINDER MOBILE FILL RACKS

ESTACIÓN MÓVIL DEL RELLENO MÚLTIPLE DE CILINDROS



24 CYLINDER MOBILE FILL RACK
HME-0010

Multi-Cylinder Mobile Fill Racks

estación móvil del relleno múltiple de cilindros

OXYFILL® multi-cylinder mobile filling rack fills a lot of cylinders in a little space.

LARGE CAPACITY FILL RACKS

PART NO.	CAPACITY	DIMENSIONS
HME-0010	24 Cylinders	64" H x 54" D x 36" W

1/2" NPT Quick Connector works with Standard Mobile Filling Racks.



PN 1109-9932-1

High Speed Oxygen Quick Connector (CGA-870)

Adaptador desconexión rápida de alta velocidad para oxígeno (CGA-870)



20 CYLINDER MOBILE FILL RACK
HME-0002



12 CYLINDER MOBILE FILL RACK
HME-0003

MOBILE FILL RACKS






PART NO.	CAPACITY	DIMENSIONS
HME-0003	12 Cylinders	52" H x 44-5/8" D x 24" W
HME-0001	18 Cylinders	52" H x 64-1/8" D x 24" W
HME-0002	20 Cylinders	52" H x 71-3/4" D x 24" W
HME-0006	24 Cylinders	52" H x 86-1/2" D x 24" W

All Mobile Filling Racks can be easily outfitted with Quick Connectors and a Validation Kit. Just ask for details.



FILLING ACCESSORIES

ACCESORIOS PARA EL RELLENO

	DESCRIPTION	APPLICATION	PART NO.
	Leak detection solution, oxygen compatible, 35-165° F, to Mil Spec MIL-I-255370	Used to check for leaks after any installation	1009-1022 (8 oz) 1109-1023 (1 gallon)
	Refillable leak solution test sprayer	Convenient leak test spray bottle, 32 oz shipped empty, can be filled economically from one gallon (1109-1023)	1109-1024
	3G label remover - odor-free, no rinse solution	Removes old labels, adhesive from check valves, flashback arrester & equipment	1109-5521 (32 oz) 1109-5520 (1 gallon) 1109-5524 (120 ct wipes)
	Oxygen Cleaner	Oxygen-compatible cleaner, CGA listed LI-02, used for cleaning equipment for oxygen service	1100-0022 (120 ct wipes) 1100-0026 (1 gallon)
	Teflon® Tape	1/2" roll for sealing NPT connections	1100-9910
	Cellulose wet band for CGA-540 valves	Wet band completely covers valve to keep dust and dirt out of valve (H, J, K, T, etc.)	1109-0040
	Plastic Dust Cap for CGA-540	Helps keep dust and dirt out of cylinder valve (H, J, K, T, etc.)	1109-0028
	Plastic Dust Cap for CGA-540	Helps keep dust and dirt out of cylinder valve (H, J, K, T, etc.)	1109-0029
	Nylon yoke washers	Fits popular regulators and yoke connections	1109-0068
	OXYLOK Large Size Plastic Valve Seal	Help keep dust and dirt out of cylinder valve for CGA-870	1109-0048
	Plastic Dust Cap for CGA-870 cylinder connections	Help keep dust and dirt out of cylinder valve for CGA-870	1109-1092
	Valve Seals, white plastic with pull tab for cylinder post valves	Helps keep dust out of post valve and holds the washer on	1109-0013
	Std. Cellulose wet band valve seals, white, in re-sealable bucket of 18,000, for cylinder post valves, 30.5mm x 25mm	Slips on wet and shrinks as it dries on the post valve	1109-0020

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Flashback Arresters

PAGES 1-17

We offer one of the broadest line of flashback arrester products in the industry. You can find flashback arresters for CGA "A" size torches for jewelers, plumbers, and home craftsmen all the way up to CGA "C" and 2" NPT manifold flashback arresters.



Quick Connectors

PAGES 6-10

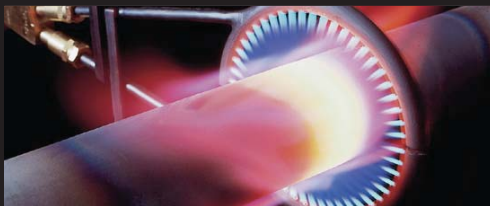
Like flashback arresters, we offer one of the broadest line of quick connector products in the industry. You can find quick connectors with and without built in flashback arresters which are ideal for virtually any application.



Thermal Spray

PAGES 18-19

We can supply high quality and complete flame spraying solutions for small to medium sized companies. Our thermal spray products are all completely certified and top of the line, available in several convenient packages.



Custom Heating Solutions

PAGES 20-23

We can provide the optimal heating solution for your application. View the numerous heating options in our custom heating section and complete the custom heating application questionnaire online at www.oxyfuelsafety.com.



Gas Manifolds

PAGES 23-35

Part of our complete solution to custom heating applications or as a stand alone gas manifold system. See inside for a complete range of gas manifold systems for high pressure and cryogenic (vapor) manifold systems including manifolds designed to meet tough U.S. and European safety norms (BAM, DIN, ISO).



Oxygen and Nitrogen Filling

PAGES 36-39

Our liquid to gas systems make filling cylinders faster and safer and in compliance with the latest safety and regulatory requirements. There are more of our liquid to gas systems used everyday than any other supplier. Let us show you how to increase your revenue and lower your costs.