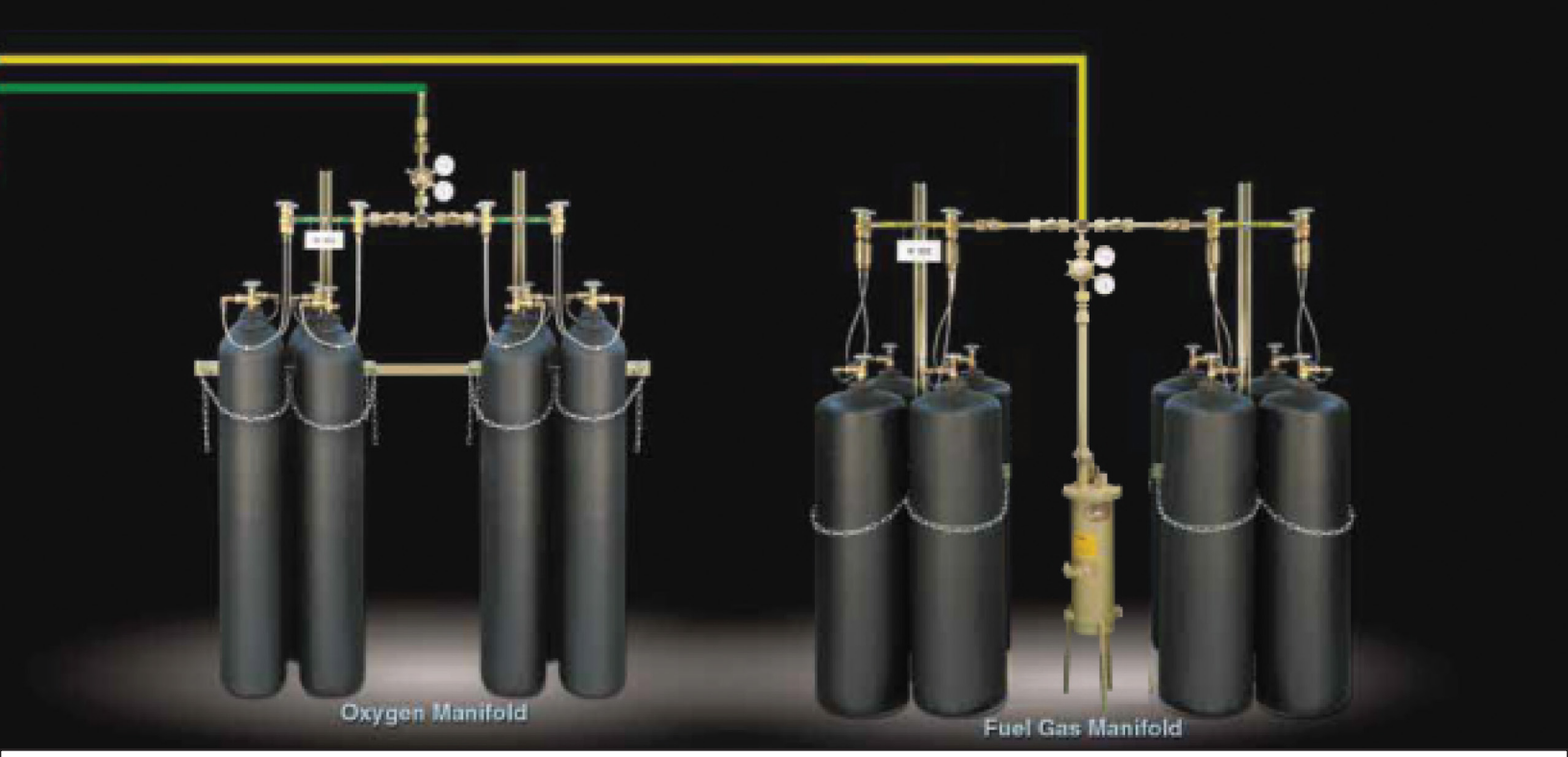
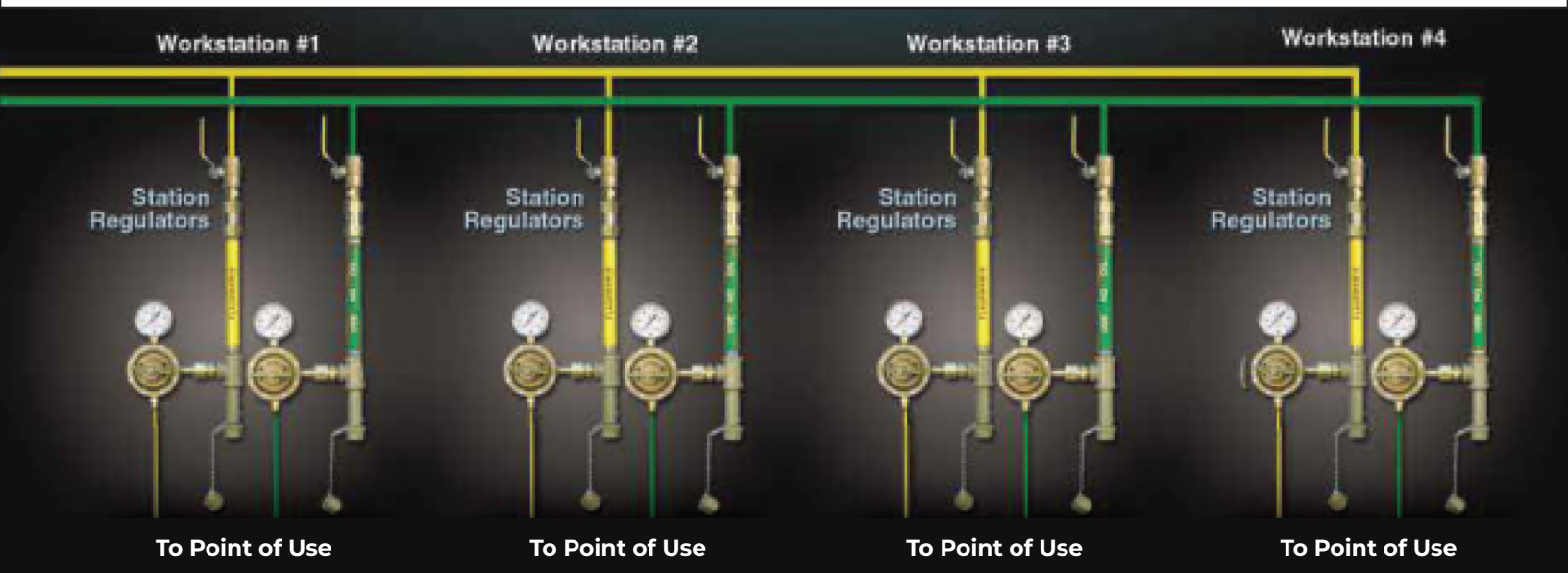


Rexarc

GAS DISTRIBUTION SYSTEMS for TECHNICAL TRAINING FACILITIES



ABOUT US

Rexarc is a fourth-generation, family-owned small business based in Ohio. For over 100 years, Rexarc has served the United States and today, provides over 70 countries around the world with acetylene gas cylinder filling equipment, also known as acetylene plants. Throughout its history, Rexarc has created and patented many products and provides the compressed gas industry with technology and equipment that increases safety and productivity. This catalog represents one of the key innovations that was provided to the industry over 70-years ago, a one part number ordering system that simplified the gas piping system installation process. With one part number for the manifold system, customers were, and remain today, confident that their system is compliant with national standards and includes all required elements. Safety has always been paramount to the design of Rexarc manifold systems and is reflected in our long history of providing assurance and quality to all of our customers. For more information about Rexarc's history and complete line of products and services, visit our website at www.rexarc.com.

PIPING SYSTEMS FOR WELDING GASES

Protective equipment is required in fuel gas and oxygen piping systems to prevent a reverse flow of oxygen from flowing back up the fuel gas line, or a reverse flow of fuel gas from flowing back up the oxygen line, also to prevent excessive pressure build-up in the system and stop a flashback from reaching the supply source.

Piping systems shown comply to National Fire Protection Association Bulletin #51. Copies can be obtained by visiting their website at: http://www.nfpa.org/catalog/

FUEL GAS DISTRIBUTION SYSTEMS

Rexarc manifold systems reduce cylinder handling costs and provide maximum safety.

Rexarc manifold systems allow better safety, practice time, and cylinder control in your facility while reducing costs.

No more cylinders scattered about the facility, thus saving administrative time in replacing empties while reducing rental costs and record keeping.

Safety is improved with the tighter cylinder control enabled by manifold use, and student practice time is positively impacted by eliminating frequent downtime due to cylinder change-outs. Gas consumption is also reduced since each cylinder is uniformly emptied.

Selecting the correct size acetylene manifold system

To select the proper acetylene manifold for your operation, consider these points:

1. Calculate the flow (scfh) at each use point in the piping system. Add the cubic feet per hour flow rate of each. The total will give you the volume of fuel gas needed per hour.

2. The manifold should have enough cylinders to provide for at least one week's fuel gas requirements.

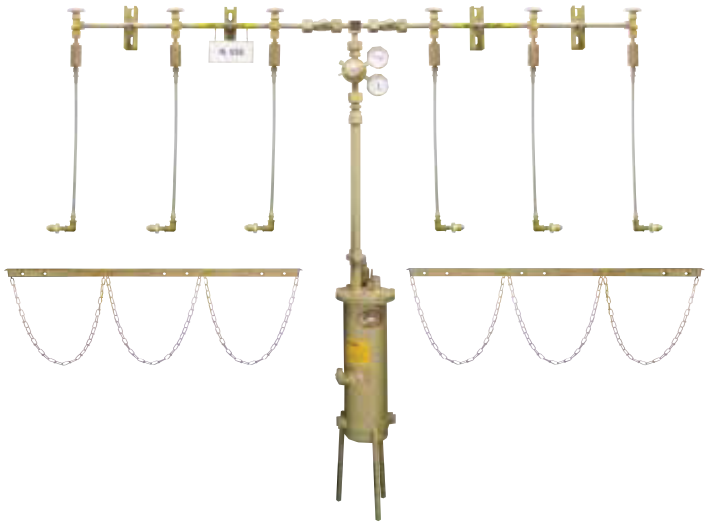
3. Acetylene withdrawals for continuous operation is 1/10th of the cylinder content per hour.

No. of Cylinders Per Manifold	Withdrawal Rate Per Hour			
	145 Cu. Ft. Cylinder	250 Cu. Ft. Cylinder	300 Cu. Ft. Cylinder	400 Cu. Ft. Cylinder
1	14	25	30	40
2	29	50	60	80
3	43	75	90	120
4	58	100	120	160
5	72	125	150	200
6	87	150	180	240
7	101	175	210	280
8	116	200	240	320
9	130	225	270	360
10	145	250	300	400
12	174	300	360	480
14	203	350	420	560
16	232	400	480	640
18	261	450	560	720
20	290	500	600	800

Fuel Gas – Single Regulator, Twin Header, Wall Mount

No. Cyl.	Part No.		Length	Approx. Shipping Length Wt. Lbs.
	Acetylene*	LPG Type Gas**		
4	3-04-0546R-CGA-4	3-04-0546Y-CGA-4	6'-9"	302
6	3-04-0546R-CGA-6	3-04-0546Y-CGA-6	8'-11"	317
8	3-04-0546R-CGA-8	3-04-0546Y-CGA-8	11'-1"	332
10	3-04-0546R-CGA-10	3-04-0546Y-CGA-10	13'-13"	347
12	3-04-0546R-CGA-12	3-04-0546Y-CGA-12	15'-5"	362
14	3-04-0546R-CGA-14	3-04-0546Y-CGA-14	17'-7"	377

**Specify cylinder connections for acetylene (CGA 510 POL or CGA 300 Commercial)*
***Specify gas by name*



- Maximum delivery pressure:

Acetylene – 15 psig
LPG Type – 40 psig

- Maximum flow rate:

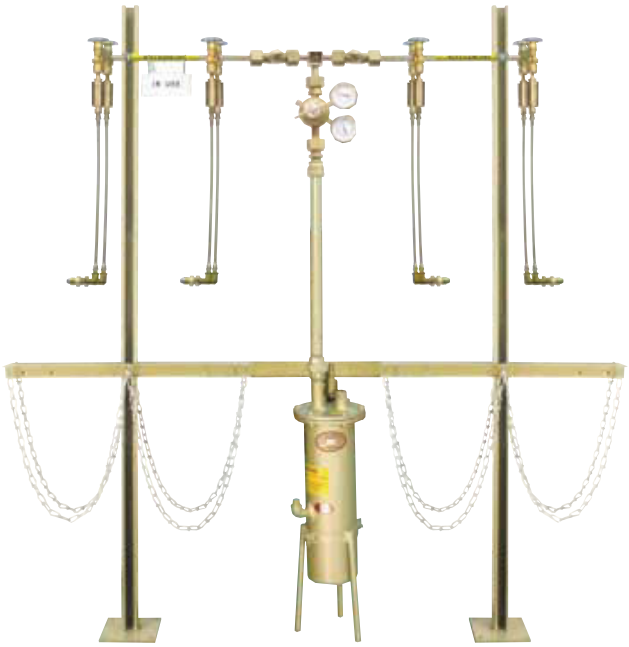
Acetylene – 250 scfh @ 13 psig
LPG Type – 250 scfh @ 35 psig

- Low gas alert system is not included. Easy to follow instructions on choosing the best remote notification solution for Rexarc manifold systems are located on pages 16-18.

Fuel Gas – Single Regulator, Twin Header, Cross Type, Floor Mount

No. Cyl.	Part No.		Length	Approx. Shipping Length Wt. Lbs.
	Acetylene*	LPG Type Gas**		
8	3-04-0548R-CGA-8	3-04-0548Y-CGA-8	6'-9"	302
12	3-04-0548R-CGA-12	3-04-0548Y-CGA-12	8'-11"	317
16	3-04-0548R-CGA-16	3-04-0548Y-CGA-16	11'-1"	332
20	3-04-0548R-CGA-20	3-04-0548Y-CGA-20	13'-13"	347

**Specify cylinder connections for acetylene (CGA 510 POL or CGA 300 Commercial)*
***Specify gas by name*



- Maximum delivery pressure:

Acetylene – 15 psig
LPG Type – 40 psig

- Maximum flow rate:

Acetylene – 250 scfh @ 13 psig
LPG Type – 250 scfh @ 35 psig

- Low gas alert system is not included. Easy to follow instructions on choosing the best remote notification solution for Rexarc manifold systems are located on pages 16-18.

Fuel Gas – Single Regulator, Single Header, Wall Mount

No. Cyl.	Part No.		Length	Approx. Shipping Length Wt. Lbs.
	Acetylene*	LPG Type Gas**		
2	3-04-0545R-CGA-2	3-04-0545Y-CGA-2	3'-8"	212
3	3-04-0545R-CGA-3	3-04-0545Y-CGA-3	4'-9"	223
4	3-04-0545R-CGA-4	3-04-0545Y-CGA-4	5'-10"	223
5	3-04-0545R-CGA-5	3-04-0545Y-CGA-5	6'-11"	243
6	3-04-0545R-CGA-6	3-04-0545Y-CGA-6	8'-0"	253
7	3-04-0545R-CGA-7	3-04-0545Y-CGA-7	9'-1"	263
8	3-04-0545R-CGA-8	3-04-0545Y-CGA-8	10'-2"	272
9	3-04-0545R-CGA-9	3-04-0545Y-CGA-9	11'-3"	280
10	3-04-0545R-CGA-10	3-04-0545Y-CGA-10	12'-4"	290

**Specify cylinder connections for acetylene (CGA 510 POL or CGA 300 Commercial)*
***Specify gas by name*

- Temporary shutdown is required for cylinder changing.
- Maximum delivery pressure:

Acetylene – 15 psig
LPG Type – 40 psig

- Maximum flow rate:

2 to 8 cylinders
Acetylene – 300 scfh @ 13 psig
LPG Type – 300 scfh @ 35 psig

9 to 10 cylinders
Acetylene – 1000 scfh @ 13 psig
LPG Type – 1000 scfh @ 35 psig

- Low gas alert system is not included. Easy to follow instructions on choosing the best remote notification solution for Rexarc manifold systems are located on pages 16-18.

Fuel Gas – Single Regulator, Single Header, Cross Type, Floor Mount

No. Cyl.	Part No.		Length	Approx. Shipping Length Wt. Lbs.
	Acetylene*	LPG Type Gas**		
4	3-04-0547R-CGA-4	3-04-0547Y-CGA-4	3'-8"	228
6	3-04-0547R-CGA-6	3-04-0547Y-CGA-6	4'-9"	248
8	3-04-0547R-CGA-8	3-04-0547Y-CGA-8	5'-10"	264
10	3-04-0547R-CGA-10	3-04-0547Y-CGA-10	6'-11"	284

**Specify cylinder connections for acetylene (CGA 510 POL or CGA 300 Commercial)*
***Specify gas by name*

- Temporary shutdown is required for cylinder changing.
- Maximum delivery pressure:

Acetylene – 15 psig
LPG Type – 40 psig

- Maximum flow rate:

4 to 8 cylinders
Acetylene – 300 scfh @ 13 psig
LPG Type – 300 scfh @ 35 psig

9 to 10 cylinders
Acetylene – 1000 scfh @ 13 psig
LPG Type – 1000 scfh @ 35 psig

- Low gas alert system is not included. Easy to follow instructions on choosing the best remote notification solution for Rexarc manifold systems are located on pages 16-18.

OXYGEN, INERT GAS DISTRIBUTION SYSTEMS

Rexarc manifold systems reduce cylinder handling costs and provide maximum safety.

Rexarc manifold systems let you concentrate your cylinders in one location so they're not scattered throughout learning areas. This reduces cylinder handling costs by giving you greater control over your gas supply.

Since your cylinders are located in a central area, you always know where they are. Weld shop safety is improved, record keeping is kept to a minimum and handling costs are cut because only a few minutes of one person's time is necessary to service the manifold.

In addition, you increase quality of education by eliminating interruptions at student stations to change cylinders and save gas as well, since all cylinders will be emptied uniformly.

Selecting the correct size oxygen, inert gas manifold.

1. Calculate the flow (scfh) at each use point in the piping system. Add the cubic feet per hour flow rate of each. The total will give you the volume of gas needed per hour.

2. The manifold should have enough cylinders to provide for at least one week's oxygen, inert gas requirements.

Oxygen, Inert Gas – Single Regulator, Single Header, Wall Mount

No. Cyl.	Part No.			Length	Approx. Shipping Length Wt. Lbs.
	Oxygen	Nitrogen	Argon		
2	3-04-0417G-2	3-04-0417N-2	3-04-0417A-2	2'-1"	88
3	3-04-0417G-3	3-04-0417N-3	3-04-0417A-3	2'-11"	98
4	3-04-0417G-4	3-04-0417N-4	3-04-0417A-4	3'-9"	107
5	3-04-0417G-5	3-04-0417N-5	3-04-0417A-5	4'-7"	119
6	3-04-0417G-6	3-04-0417N-6	3-04-0417A-6	5'-5"	150
7	3-04-0417G-7	3-04-0417N-7	3-04-0417A-7	6'-3"	150
8	3-04-0417G-8	3-04-0417N-9	3-04-0417A-8	7'-1"	169
9	3-04-0417G-9	3-04-0417N-8	3-04-0417A-9	7'-11"	178
10	3-04-0417G-10	3-04-0417N-10	3-04-0417A-10	8'-9"	187

- Temporary shutdown is required for cylinder changing.
- Maximum delivery pressure: 200 psig
- Maximum flow rate: 6500 scfh
- Low gas alert system is not included. Easy to follow instructions on choosing the best remote notification solution for Rexarc manifold systems are located on pages 16-18.

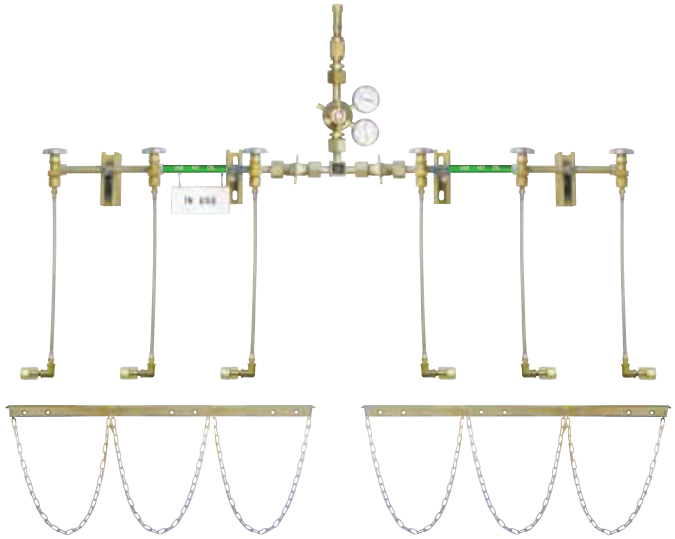
Oxygen, Inert Gas – Single Regulator, Single Header, Cross Type, Floor Mount

No. Cyl.	Part No.			Length	Approx. Shipping Length Wt. Lbs.
	Oxygen	Nitrogen	Argon		
4	3-04-0430G-4	3-04-0430N-4	3-04-0430A-4	2'-0"	92
6	3-04-0430G-6	3-04-0430N-6	3-04-0430A-6	2'-10"	104
8	3-04-0430G-8	3-04-0430N-8	3-04-0430A-8	3'-8"	118
10	3-04-0430G-10	3-04-0430N-10	3-04-0430A-10	4'-6"	129

- Temporary shutdown is required for cylinder changing.
- Maximum delivery pressure: 200 psig
- Maximum flow rate: 6500 scfh
- Low gas alert system is not included. Easy to follow instructions on choosing the best remote notification solution for Rexarc manifold systems are located on pages 16-18.

Oxygen, Inert Gas – Single Regulator, Twin Header, Wall Mount

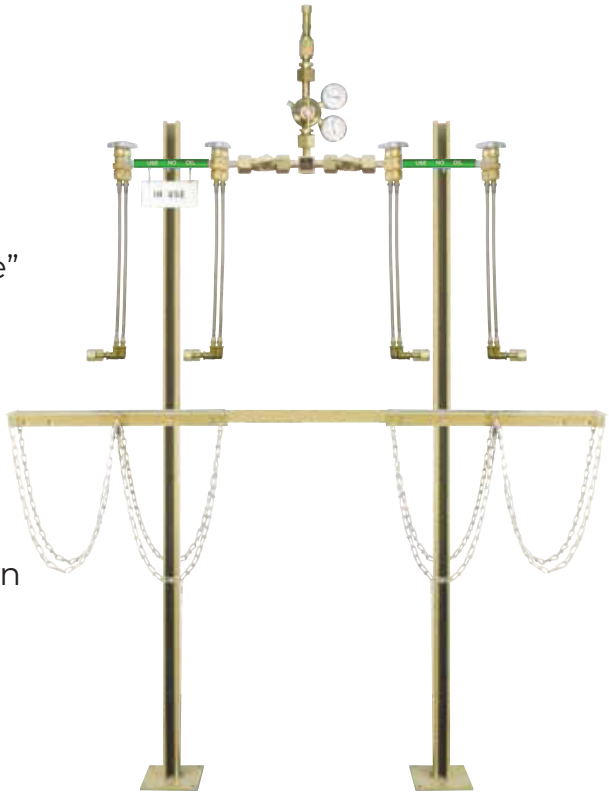
No. Cyl.	Part No.			Length	Approx. Shipping Length Wt. Lbs.
	Oxygen	Nitrogen	Argon		
4	3-04-0414G-4	3-04-0414N-4	3-04-0414A-4	3'-4"	156
6	3-04-0414G-6	3-04-0414N-6	3-04-0414A-6	5'-0"	172
8	3-04-0414G-8	3-04-0414N-8	3-04-0414A-8	6'-10"	191
10	3-04-0414G-10	3-04-0414N-10	3-04-0414A-10	8'-4"	208
12	3-04-0414G-12	3-04-0414N-12	3-04-0414A-12	10'-0"	261
14	3-04-0414G-14	3-04-0414N-14	3-04-0414A-14	11'-8"	276
16	3-04-0414G-16	3-04-0414N-16	3-04-0414A-16	13'-4"	291
18	3-04-0414G-18	3-04-0414N-18	3-04-0414A-18	15'-0"	306
20	3-04-0414G-20	3-04-0414N-20	3-04-0414A-20	16'-8"	322



- Manual changeover required to switch from "in-use" bank to "reserve" bank.
- Maximum Delivery Pressure: 200 psig
- Maximum flow rate: 6500 scfh
- Low gas alert system is not included. Easy to follow instructions on choosing the best remote notification solution for Rexarc manifold systems are located on pages 16-18.

Oxygen, Inert Gas – Single Regulator, Twin Header, Cross Type, Floor Mount

No. Cyl.	Part No.			Length	Approx. Shipping Length Wt. Lbs.
	Oxygen	Nitrogen	Argon		
8	3-04-0431G-8	3-04-0431N-8	3-04-0431A-8	4'-10"	165
12	3-04-0431G-12	3-04-0431N-12	3-04-0431A-12	6'-6"	184
16	3-04-0431G-16	3-04-0431N-16	3-04-0431A-16	8'-2"	205
20	3-04-0431G-20	3-04-0431N-20	3-04-0431A-20	9'-10"	228



- Manual changeover required to switch from "in-use" bank to "reserve" bank.
- Maximum delivery pressure: 200 psig
- Maximum flow rate: 6500 scfh
- Low gas alert system is not included. Easy to follow instructions on choosing the best remote notification solution for Rexarc manifold systems are located on pages 16-18.

CARBON DIOXIDE DISTRIBUTION SYSTEMS

Rexarc manifold systems reduce cylinder handling costs and provide maximum safety.

Rexarc manifold systems let you concentrate your cylinders in one location so they're not scattered throughout student practice areas. This reduces cylinder handling costs by giving you greater control over your gas supply.

Since your cylinders are located in a central area, you always know where they are. Weld booth safety is improved, record keeping is kept to a minimum and administrative costs are cut because only a few minutes of one person's time is necessary to service the manifold.

In addition, you increase student arc time by eliminating interruptions at user stations to change cylinders and save gas as well, since all cylinders will be emptied uniformly.

Selecting the correct carbon dioxide manifold.

1. Calculate the flow (scfh) at each use point in the piping system. Add the cubic feet per hour flow rate of each. The total will give you the volume needed per hour.

2. The manifold should have enough cylinders to provide for at least one week's carbon dioxide gas requirements.

3. Heaters are recommended for withdraw rates above 35 scfh.

No. of Cylinders Per Manifold	Cylinder Size in Pounds	Withdrawal Rate Per Hour		Total Useable Cu. Ft. of Gas	Continued Usage Approx Hours
		Pounds Per Hour	Std. Cu. Feet Per Hour		
1	50	6-1/4	54	436	8
2	50	12-1/2	108	872	8
3	50	18-3/4	162	1,308	8
4	50	25	216	1,744	8
5	50	31-1/4	270	2,180	8
6	50	37-1/2	324	2,616	8
7	50	43-3/4	378	3,052	8
8	50	50	432	3,488	8
9	50	56-1/4	486	3,924	8
10	50	62-1/2	540	4,360	8
11	50	68-3/4	594	4,796	8
12	50	75	648	5,232	8
13	50	81-1/4	702	5,668	8
14	50	87-1/2	756	6,104	8
15	50	93-3/4	810	6,540	8
16	50	100	864	6,976	8
17	50	106-1/4	918	7,412	8
18	50	112-1/2	972	7,848	8
19	50	118-3/4	1,026	8,248	8
20	50	125	1,080	8,720	8

Carbon Dioxide – Single Regulator, Single Header, Wall Mount

No. Cyl.	Part No. Carbon Dioxide		Length	Approx. Shipping Length Wt. Lbs.
	Less Heater	With Heater		
2	3-04-0417C-2	3-04-0435-2	2'-1"	88
3	3-04-0417C-3	3-04-0435-3	2'-11"	98
4	3-04-0417C-4	3-04-0435-4	3'-9"	107
5	3-04-0417C-5	3-04-0435-5	4'-7"	119
6	3-04-0417C-6	3-04-0435-6	5'-5"	150
7	3-04-0417C-7	3-04-0435-7	6'-3"	159
8	3-04-0417C-8	3-04-0435-8	7'-1"	169
9	3-04-0417C-9	3-04-0435-9	7'-11"	178
10	3-04-0417C-10	3-04-0435-10	8'-9"	187

- Temporary shutdown is required for cylinder changing.
- Maximum Delivery Pressure: 200 psig
- Maximum flow rate: 500 scfh
- Heater specs: 480 watts, 115 volts, 4.37 amps
- Low gas alert system is not included. Easy to follow instructions on choosing the best remote notification solution for Rexarc manifold systems are located on pages 16-18.

Carbon Dioxide – Single Regulator, Single Header, Floor Mount, Cross Type

No. Cyl.	Part No. Carbon Dioxide		Length	Approx. Shipping Length Wt. Lbs.
	Less Heater	With Heater		
4	3-04-0430C-4	3-04-0433-4	2'-9"	100
6	3-04-0430C-6	3-04-0433-6	3'-7"	112
8	3-04-0430C-8	3-04-0433-8	4'-5"	126
10	3-04-0430C-10	3-04-0433-10	5'-3"	138

- Temporary shutdown is required for cylinder changing.
- Maximum Delivery Pressure: 200 psig
- Maximum flow rate: 500 scfh
- Heater specs: 480 watts, 115 volts, 4.37 amps
- Low gas alert system is not included. Easy to follow instructions on choosing the best remote notification solution for Rexarc manifold systems are located on pages 16-18.

Carbon Dioxide – Single Regulator, Twin Header, Wall Mount

No. Cyl.	Part No. Carbon Dioxide		Length	Approx. Shipping Length Wt. Lbs.
	Less Heater	With Heater		
4	3-04-0414C-4	3-04-0436-4	3'-11"	166
6	3-04-0414C-6	3-04-0436-6	5'-7"	182
8	3-04-0414C-8	3-04-0436-8	7'-3"	201
10	3-04-0414C-10	3-04-0436-10	8'-11"	218
12	3-04-0414C-12	3-04-0436-12	10'-7"	271
14	3-04-0414C-14	3-04-0436-14	12'-3"	286
16	3-04-0414C-16	3-04-0436-16	13'-11"	301
18	3-04-0414C-18	3-04-0436-18	15'-7"	316
20	3-04-0414C-20	3-04-0436-20	17'-13"	332

- Manual changeover required to switch from "in-use" bank to "reserve" bank.
- Maximum Delivery Pressure: 200 psig
- Maximum flow rate: 500 scfh
- Heater specs: 480 watts, 115 volts, 4.37 amps
- Low gas alert system is not included. Easy to follow instructions on choosing the best remote notification solution for Rexarc manifold systems are located on pages 16-18.

Carbon Dioxide – Single Regulator, Twin Header, Floor Mount, Cross Type

No. Cyl.	Part No. Carbon Dioxide		Length	Approx. Shipping Length Wt. Lbs.
	Less Heater	With Heater		
8	3-04-0431C-8	3-04-0434-8	4'-10"	175
12	3-04-0431C-12	3-04-0434-12	6'-6"	195
16	3-04-0431C-16	3-04-0434-16	8'-2"	215
20	3-04-0431C-20	3-04-0434-20	9'-10"	235

- Manual changeover required to switch from "in-use" bank to "reserve" bank.
- Maximum Delivery Pressure: 200 psig
- Maximum flow rate: 500 scfh
- Heater specs: 480 watts, 115 volts, 4.37 amps
- Low gas alert system is not included. Easy to follow instructions on choosing the best remote notification solution for Rexarc manifold systems are located on pages 16-18.

STATION OUTLETS

Rexarc station outlets comply with National Fire Protection Association Bulletin #51, and are designed to supply efficient gas volume with minimum pressure reduction.

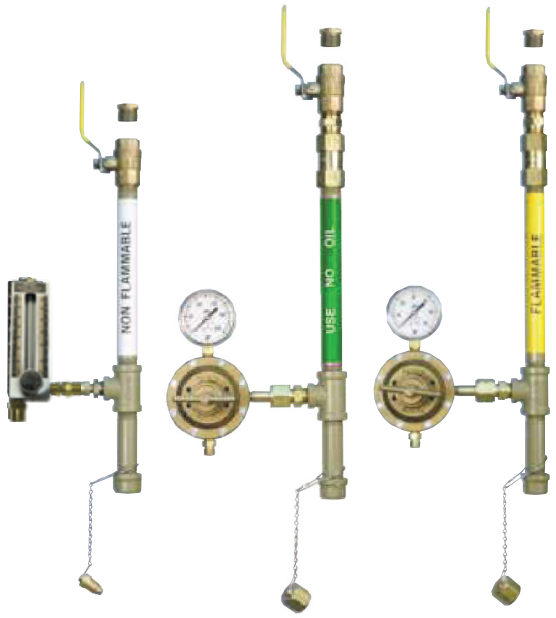
Each station outlet is in compliance with ANSI standard, marked with a positive identification label naming the gas being used as well as being color coded. Each outlet is preassembled for ease of operation.

Before installing station outlets, piping should be cleaned, dried and tested in accordance with National Fire Protection Booklet #51. Station outlets should be installed at a height and location that affords protection as well as easy operator access to the station supply valve. Apply appropriate pipe sealant on the male threads only. Test system for leaks. If leaks are found, relieve pressure, repair and retest. Purge system before use.

Single Station Outlets – with Regulator for Inert, Oxygen, Fuel Gas, and Flowmeter for Inert Gas

Gas	Part No.	Regulator or Flowmeter Connection	Length	Approx. Shipping Wt. Lbs.
Inert w/Flowmeter*	2-04-1604	5/8"-18RH	19"	10
Inert w/Regulator*	2-04-1600	9/16"-18RH	19"	10
Oxygen w/Regulator	2-04-1608G	9/16"-18RH	22"	12
Acetylene w/Regulator	2-04-1608R	9/16"-18LH	22"	12
LPG Type w/Regulator*	2-04-1608Y	9/16"-18LH	22"	12

**Specify gas by name*

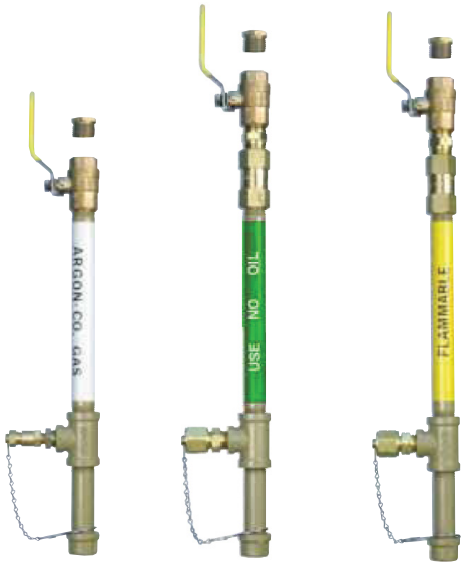


- Fits 3/4" or 1/2" piping systems (reducing bushing supplied)
- Maximum line pressure for flowmeter is 50 psig
- Specify delivery pressure for all station outlets with regulators. Options are 15, 40, 80 and 150 psi.
- Maximum line pressure for regulator is 200 psig

Single Station Outlets – with "C" Size Regulator Connection for Inert, Oxygen, and Fuel Gas, and 5/8-18RH Flowmeter Connection for Inert Gas

Gas	Part No.	Regulator or Flowmeter Connection	Length	Approx. Shipping Wt. Lbs.
Inert Gas*	2-04-1626	5/8"-18RH	22"	7
Oxygen	2-04-0477G	7/8"-14RH	25"	8
Acetylene	2-04-0477R	7/8"-14LH	25"	8
LPG Type Gas*	2-04-0477Y	7/8"-14LH	25"	8

**Specify gas by name*

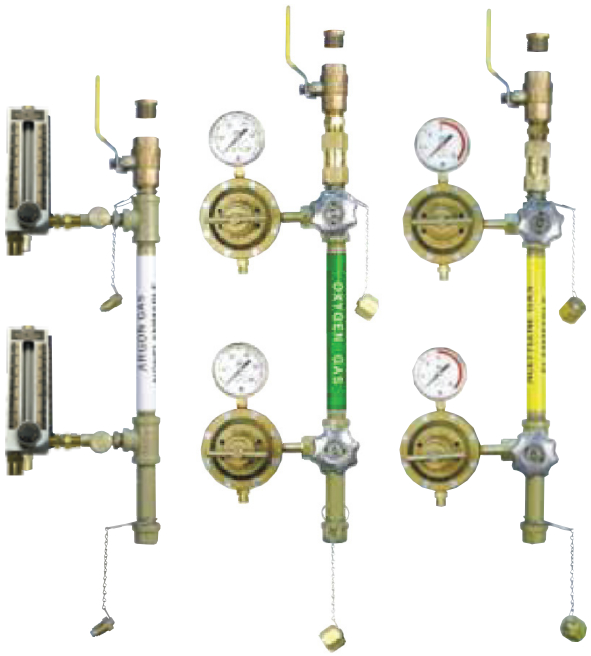


- Fits 3/4" or 1/2" piping systems (reducing bushing supplied)
- For line pressure up to 200 psig.

Double Station Outlets – with Regulators for Inert, Oxygen, Fuel Gas, and Flowmeters for Inert Gas

Gas	Part No.	Regulator or Flowmeter Connection	Length	Approx. Shipping Wt. Lbs.
Inert w/Flowmeter*	2-04-1605	5/8"-18RH	22"	11
Inert w/Regulator*	2-04-1601	9/16"-18RH	22"	11
Oxygen w/Regulator	2-04-1609G	9/16"-18RH	25"	15
Acetylene w/Regulator	2-04-1609R	9/16"-18LH	25"	15
LPG Type w/Regulator*	2-04-1609Y	9/16"-18LH	25"	15

**Specify gas by name*

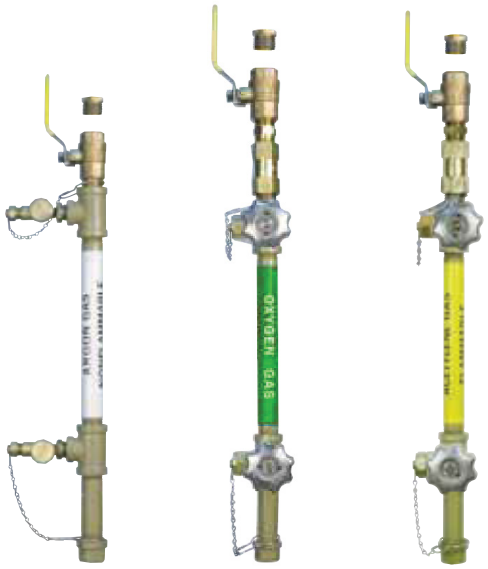


- Fits 3/4" or 1/2" piping systems (reducing bushing supplied)
- Maximum line pressure for flowmeter is 50 psig
- Specify delivery pressure for all station outlets with regulators. Options are 15, 40, 80 and 150 psi.
- Maximum line pressure for regulator is 200 psig

Double Station Outlets – with "C" Size Regulator Connections for Inert, Oxygen and Fuel Gas, and 5/8-18RH Flowmeter Connections for Inert Gas

Gas	Part No.	Regulator or Flowmeter Connection	Length	Approx. Shipping Wt. Lbs.
Inert Gas*	2-04-0490	5/8"-18RH	22"	9
Inert Gas*	2-04-0522	7/8"-14RH (034)	22"	9
Oxygen	2-04-0522G	7/8"-14RH (024)	25"	9
Acetylene	2-04-0522R	7/8"-14LH (025)	25"	9
LPG Type Gas*	2-04-0522Y	7/8"-14LH (025)	25"	9

**Specify gas by name*

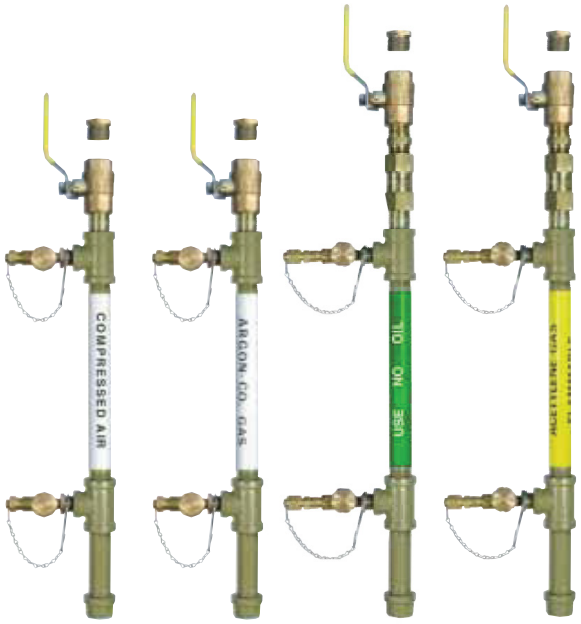


- Fits 3/4" or 1/2" piping systems (reducing bushing supplied)
- For line pressure up to 200 psig.

Double Station Outlets – with "B" Size Hose Connections for Air, Inert, Oxygen, Fuel Gas

Gas	Part No.	Inlet	Hose Connection	Length	Approx. Shipping Wt. Lbs.
Air	2-04-0597	3/4" NPT	5/8"-18RH	18-1/2"	4
Inert*	2-04-0490	3/4" NPT	5/8"-18RH	18-1/2"	4
Oxygen	2-04-0478G	3/4" NPT	9/16"-18RH	22"	5
Acetylene	2-04-0478R	3/4" NPT	9/16"-18LH	22"	5
LPG Type Gas*	2-04-0478Y	3/4" NPT	9/16"-18LH	22"	5

Specify gas by name

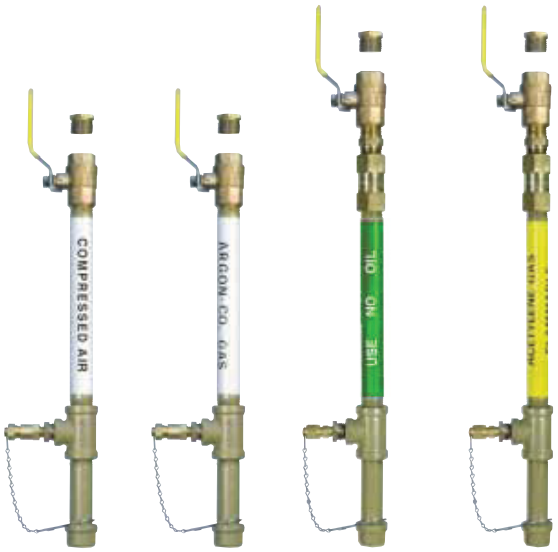


- Fits 3/4" or 1/2" piping systems (reducing bushing supplied)
- For line pressure up to 200 psig.

Single Station Outlets – with "B" Size Hose Connection for Air, Inert, Oxygen, Fuel Gas

Gas	Part No.	Inlet	Hose Connection	Length	Approx. Shipping Wt. Lbs.
Air	2-04-0588	3/4" NPT	5/8"-18LH	18-1/2"	4
Inert*	2-04-0406	3/4" NPT	5/8"-18RH	18-1/2"	4
Oxygen	2-04-0146G	3/4" NPT	9/16"-18RH	22"	5
Acetylene	2-04-0146R	3/4" NPT	9/16"-18LH	22"	5
LPG Type Gas*	2-04-0146Y	3/4" NPT	9/16"-18LH	22"	5

Specify gas by name



- Fits 3/4" or 1/2" piping systems (reducing bushing supplied)
- For line pressure up to 200 psig.

LOW GAS ALERT SYSTEMS

General

Rexarc low gas alert systems let the best person in administration know when the predetermined setting has been reached on gas supply.

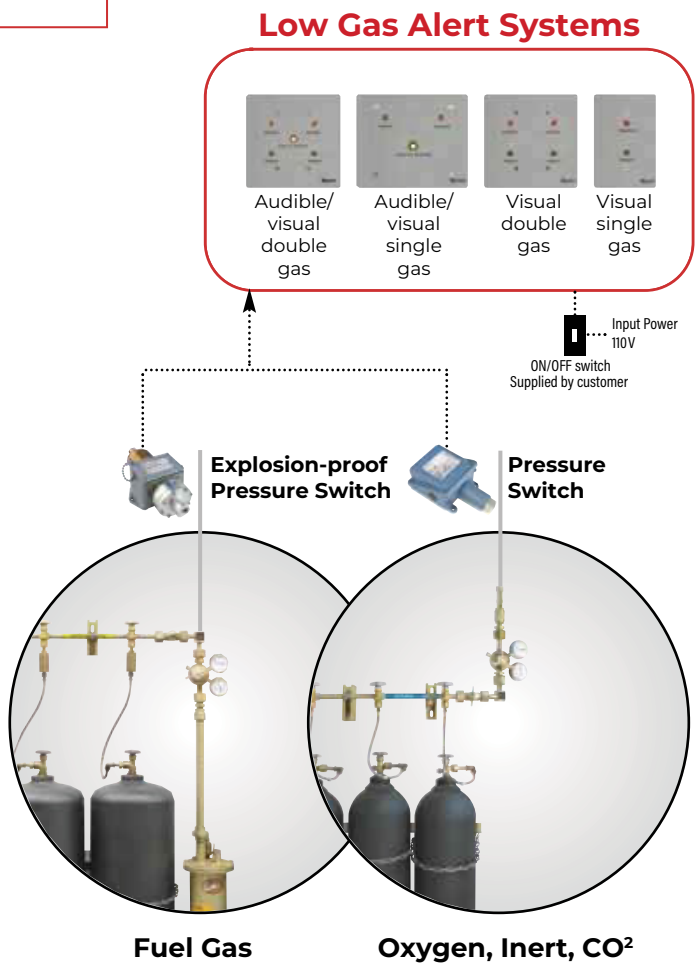
When cylinder pressure falls below minimum pressure setting, the pressure switch activates a low gas alert box. Remote alerts are available with visual or visual and audible notices.

Selecting the correct low gas alert system

1. Select pressure switch type from page 16 by gas (Fuel Gas or Oxygen / Inert)

2. Select the best part number by comparing line delivery pressure and pressure switch range (psig) from page 17.

3. Select visual or visual and audible alert box from page 18.



Explosion-Proof Pressure Switch for Fuel Gas

Description	Part No.	Approx. Shipping Wt. Lbs.
Explosion-proof Pressure Switch, 4-15 psig	1-04-0255	12
Explosion-proof Pressure Switch, 15-40 psig	1-04-0445	12
Explosion-proof Pressure Switch, 5-140 psig	1-04-1037	12
Explosion-proof Pressure Switch, 10-350 psig	1-06-0297	12

- Switch specs: 110 voltz, 15 amps

Pressure Switch for Oxygen and Inert Gas

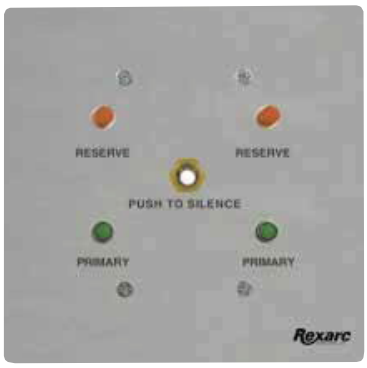
Description	Part No.	Approx. Shipping Wt. Lbs.
Pressure Switch, 30-100 psig	1-04-1814-100	12
Pressure Switch, 30-300 psig	1-04-1814-300	12

- Switch specs: 110 voltz, 15 amps

Audible and Visual Low Gas Alert Box, Double Gas

Description	Part No.	Approx. Shipping Wt. Lbs.
Audible Remote Warning, Double Gas* – 110 volts	2-04-1710-110	5

Specify gas by name



Audible and Visual Low Gas Alert Box, Single Gas

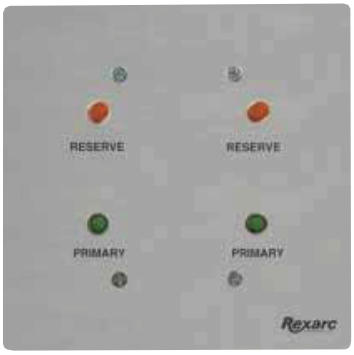
Description	Part No.	Approx. Shipping Wt. Lbs.
Audible Remote Warning, Single Gas* – 110 volts	2-04-1495-110	5

Specify gas by name

Visual Low Gas Alert , Double Gas

Description	Part No.	Approx. Shipping Wt. Lbs.
Remote Warning, Double Gas* – 110 volts	2-04-1522-110	5

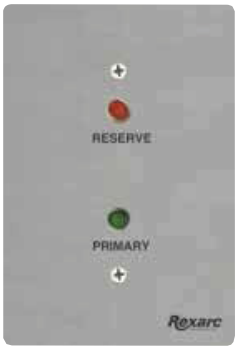
Specify gas by name



Visual Low Gas Alert Box, Single Gas

Description	Part No.	Approx. Shipping Wt. Lbs.
Remote Warning, Single Gas* – 110 volts	2-04-1521-110	3

Specify gas by name



LIQUID FLASHBACK ARRESTERS AND RELIEF VALVES

Liquid Flashback Arresters

Rexarc liquid flashback arresters are designed to operate in medium pressure fuel gas piping systems. Arresters protect the main gas supply from dangers of reverse flow and flashbacks. Installation should comply with National Fire Protection Association Booklet #51 and local codes.

Relief Valves

Pressure relief valves are required in fuel gas systems to prevent excessive pressure build-up within the system. Rexarc fuel gas relief valves will vent automatically at preset pressures or may be manually operated to relieve pressure within the system.

Maintenance

To service your Rexarc liquid flashback arrester, or to check it's liquid level, close the shut-off valves on both the inlet and outlet. Relieve pressure by operating the pressure relief valve. Remove plug from elbow on side of flashback arrester. Verify liquid level and add fluid as necessary. Replace plug in elbow. Open the gas inlet valve. Verify plug is sealed with soapy water. Effectively purge flashback arrester by activating relief valve lever. Slowly open the gas outlet valve to allow gas to flow into piping system. The liquid levels should be checked once per week for the first month of operation and on a regular schedule thereafter. Contact us with any questions about servicing your Rexarc liquid flashback arrester.

Liquid Flashback Arresters – 300 scfh "#3"

Gas	Part No.	Inlet and Outlet	Vent Pressure psig	Approx. Shipping Wt. Lbs.
Acetylene	3-01-0109	1" NPT	15	55
LPG Type Gas	3-01-0109S	1" NPT	40	55
Hydrogen	3-01-0109S	1" NPT	40	55
Natural Gas	3-01-0071SF	1" NPT	10	55
Natural Gas	3-01-0071SL	1" NPT	2	55

- Floor stand and flashback fluid are included
- 0.73 gal. FBA liquid capacity
- Manual: 1-39-0142

Fuel Gas Relief Valve — Not Field Repairable

Gas	Part No.	Vent Pressure psig	Inlet	Outlet	Approx. Shipping Wt. Lbs.
Acetylene	1-05-0160P	15	3/4"	3/4"	2-1/2
LPG Type Gas	1-05-0160P	15	3/4"	3/4"	2-1/2
LPG Type Gas	1-05-0161P	40	3/4"	3/4"	2-1/2
Hydrogen	1-05-0161P	40	3/4"	3/4"	2-1/2

Flashback Arrester Fluid - 1 gallon

Part No.	Dimmensions	Approx. Shipping Wt. Lbs.
1-01-0408	7.25" x 3" x 12"	9.2

- Pre-diluted for ease of maintenance

SINGLE STAGE STATION FLOWMETERS – FM0005559A

Argon 1-60 scfh
Helium 1-180 scfh
Nitrogen 1-70 scfh
Carbon Dioxide 1-60 scfh

The **FM0005559A** flowmeter is used in a gas distribution system to supply shielding gas to a students workstation. It is designed for easy adjustment and precise measurement of gas flows.

Flowmeter:
Impact resistant pyrex® flow tube with easy to read scfh scales for Argon, Helium, Nitrogen and Carbon Dioxide

Maximum inlet pressure:
50 psig

Gas	Part No.	Operating Range scfh	Inlet	Outlet	Approx. Shipping Wt. Lbs.
Argon	FM0005559A	1-60	5/8"-18RH Ext.	5/8"-18RH Int.	1
Helium	FM0005559A	1-180	5/8"-18RH Ext.	5/8"-18RH Int.	1
Nitrogen	FM0005559A	1-70	5/8"-18RH Ext.	5/8"-18RH Int.	1
Carbon Dioxide	FM0005559A	1-60	5/8"-18RH Ext.	5/8"-18RH Int.	1

- 7 Year Warranty

6200 SERIES - SINGLE STAGE STATION REGULATORS

The 6200 Series is used in a gas manifold delivery system to reduce pipe line pressure to that which is required by an individual operator at a workstation.

Acetylene 0-15 psig
LPG, Hydrogen 0-40 psig
Oxygen, Argon, Carbon Dioxide, Helium, Nitrogen up to 150 psig

Body: Solid forged brass, machined
Diaphragm: Neoprene
Seat: Neoprene
Inlet filter: Screen
Max. inlet pressure:

Acetylene - 15 psig
LPG - 40 psig
Oxygen / Inert - 200 psig

Ordering Information

Gas	Part No.	Operating Range psig	Inlet	Outlet	Approx. Shipping Wt. Lbs.
Acetylene	000006203	0-15	7/8"-14LH Int.	9/16"-18LH Ext.	6
LPG Type Fuel Gases	000006208	0-15			
	000006207	0-40			
Oxygen	000006211	0-15	7/8"-14RH Int.	9/16"-18RH Ext.	
	000006204	0-40			
	000006210	0-80			
	000006200	0-150			
Hydrogen	000006208	15	7/8"-14LH Int.	9/16"-18LH Ext.	
	000006207	40			
Argon, Carbon Dioxide Helium or Nitrogen	000006212	15	7/8"-14RH Ext.	5/8"-18RH Ext.	
	000006205	40			
	000006209	80			
	000006201	150			

Tested with air at 70° Fahrenheit.

280 SERIES – MANIFOLD REGULATOR

The 280 series regulator is used to reduce cylinder pressure to line pressure in single- and twin-header manifold systems.

It is designed for the gas used with applicable delivery pressures and materials of construction.

Gas	Part No.	Delivery Pressure Range (psig)	Connections		Approx. Shipping Wt. Lbs.
			Inlet	Outlet	
Oxygen	1-04-0281	10 - 200	1" - 11 1/2 NPS (RH-EXT)	1" - 11 1/2 NPS (RH-INT)	10
Nitrogen					
Carbon Dioxide					
Other Inert					
Hydrogen	1-04-0283	10 - 200	1" - 11 1/2 NPS (LH-EXT)	1" - 11 1/2 NPS (LH-INT)	
Acetylene	1-04-0286	2 - 15			
LPG	1-04-0287	2 - 40			

LABELS

Labels – Mylar Self-Adherent

Labels assist in identifying materials conveyed in piping systems. Installation of Rexarc pipe line labels should comply with ANSI Bulletin A13.1 and local codes.

For Piping 3/4" to 1" O.D.

Label Size 8" x 3"
Letter Legend Size 1/2"

Description	Part No.	Color Code	Legend
Acetone	1-03-0083	Yellow	Black
Acetylene	1-03-0081	Yellow	Black
Anhydrous Ammonia	1-03-0201	Yellow	Black
Argon	1-03-0107	White	Black
Argon-C02	1-03-0238	White	Black
Argon-Hydrogen	1-03-0600	Yellow	Black
Argon-Oxygen	1-03-0318	Yellow	Black
Arrow	1-03-0132	Yellow	Black
Breathing Air	1-03-0113	White	Black
Carbon Dioxide	1-03-0108	White	Black
Carbon Monoxide	1-03-0255	Yellow	Black
Compressed Acetylene	1-03-0082	Yellow	Black
Compressed Air	1-03-0105	White	Black
Freon 12	1-03-0205	White	Black
Hef Gas	1-03-0249	Yellow	Black
Helium-Argon-CO2	1-03-0239	White	Black
Helium Gas	1-03-0115	White	Black
HPG Gas	1-03-0273	Yellow	Black
Hydrogen	1-03-0104	Yellow	Black
Hydrogen-Nitrogen	1-03-0157	Yellow	Black
Liquid Air Fuel Gas	1-03-0279	Yellow	Black
LPG Liquid Petroleum Gas	1-03-0112	Yellow	Black
Mapp	1-03-0094	Yellow	Black
Methane	1-03-0162	Yellow	Black
Mison	1-03-0792	Yellow	Black
Natural Gas	1-03-0101	Yellow	Black
Nitrogen	1-03-0106	White	Black
Nitrous Oxide	1-03-0110	White	Black
Oxygen	1-03-0093	Green	White
Prestolene	1-03-0257	Yellow	Black
Propane	1-03-0100	Yellow	Black
Propylene Base Gas	1-03-0111	Yellow	Black
P-5	1-03-0409	Yellow	Black
P-10	1-03-0220	Yellow	Black
Sulfur Dioxide	1-03-0200	Yellow	Black

For Piping 1-1/2" to 2" O.D.

Label Size 8" x 4"
Letter Legend Size 3/4"

Description	Part No.	Color Code	Legend
Acetylene	1-03-0116	Yellow	Black
Argon	1-03-0133	White	Black
Carbon Dioxide	1-03-0135	White	Black
Compressed Air	1-03-0131	White	Black
LPG Liquid Petroleum Gas	1-03-0118	Yellow	Black
Mapp	1-03-0117	Yellow	Black
Natural Gas	1-03-0128	Yellow	Black
Oxygen	1-03-0126	Green	White
Propane	1-03-0129	Yellow	Black
Propylene Base Gas	1-03-0254	Yellow	Black
Vacuum	1-03-0150	White	Black

ELBOWS, EXTENSIONS, ADD-ON HEADERS, CYLINDER PIGTAILS

Cylinder Pigtails

Flexible stainless steel braided cylinder pigtails are designed for 3,000 psig applications. Pigtails are constructed of 304 stainless steel braided covering over a 1/4" ID Teflon liner. End fittings are brass or stainless steel where brass is not compatible.

- Operating pressure 3,000 psig
- Bursting pressure rating 10,000 psig

Convoluted stainless steel braided cylinder pigtails should be used with helium and hydrogen applications. Pigtails are constructed of 321 stainless steel double braided covering over a 1/4" ID 316 stainless steel annular convoluted inner core. End fittings are stainless steel.

- Operating pressure 3,000 psig
- Bursting pressure rating 12,000 psig

Cylinder Pigtails

0083 Series

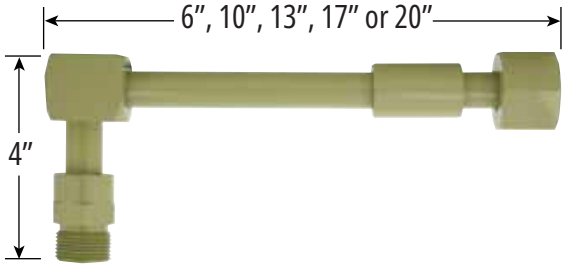
0862 Series

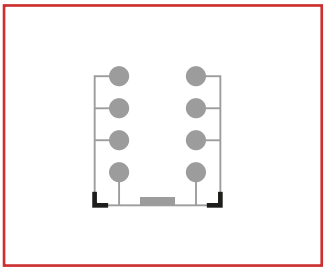
1845 Series

Description	Length	3000 psig Flexible Stainless Steel Braided Cylinder Pigtails w/ Brass Ends	3000 psig Flexible Stainless Steel Braided Cylinder Pigtails w/ Stainless Steel Ends	3000 psig Flexible Stainless Steel Braided Cylinder Pigtails w/ Stainless Steel Ends
Male to Male 1/4" NPT	12"	1-02-0083-12MM	1-04-0862-12MM	1-04-1845-12MM
	18"	1-02-0083-18MM	1-04-0862-18MM	1-04-1845-18MM
	24"	1-02-0083-24MM	1-04-0862-24MM	1-04-1845-24MM
	36"	1-02-0083-36MM	1-04-0862-36MM	1-04-1845-36MM
	48"	1-02-0083-48MM	1-04-0862-48MM	1-04-1845-48MM
	60"	1-02-0083-60MM	1-04-0862-60MM	1-04-1845-60MM
	72"	1-02-0083-72MM	1-04-0862-72MM	1-04-1845-72MM
Male to Female 1/4" NPT	12"	1-02-0083-12MF	1-04-0862-12MF	1-04-1845-12MF
	18"	1-02-0083-18MF	1-04-0862-18MF	1-04-1845-18MF
	24"	1-02-0083-24MF	1-04-0862-24MF	1-04-1845-24MF
	36"	1-02-0083-36MF	1-04-0862-36MF	1-04-1845-36MF
	48"	1-02-0083-48MF	1-04-0862-48MF	1-04-1845-48MF
	60"	1-02-0083-60MF	1-04-0862-60MF	1-04-1845-60MF
	72"	1-02-0083-72MF	1-04-0862-72MF	1-04-1845-72MF
Female to Female 1/4" NPT	12"	1-02-0083-12FF	1-04-0862-12FF	1-04-1845-12FF
	18"	1-02-0083-18FF	1-04-0862-18FF	1-04-1845-18FF
	24"	1-02-0083-24FF	1-04-0862-24FF	1-04-1845-24FF
	36"	1-02-0083-36FF	1-04-0862-36FF	1-04-1845-36FF
	48"	1-02-0083-48FF	1-04-0862-48FF	1-04-1845-48FF
	60"	1-02-0083-60FF	1-04-0862-60FF	1-04-1845-60FF
	72"	1-02-0083-72FF	1-04-0862-72FF	1-04-1845-72FF

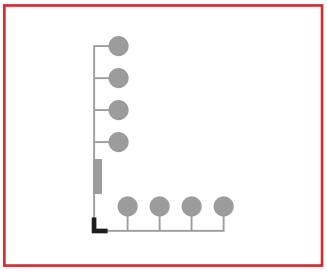
Elbow – Header, All Gases

Description	Size	Part No.	Approx. Shipping Wt. Lbs.
Elbow, Brass	1/2" x 4" x 6"	2-04-1212-6	15
Elbow, Brass	1/2" x 4" x 10"	2-04-1212-10	18
Elbow, Brass	1/2" x 4" x 13"	2-04-1212-13	21
Elbow, Brass	1/2" x 4" x 17"	2-04-1212-17	24
Elbow, Brass	1/2" x 4" x 20"	2-04-1212-20	27





Two elbows for U shape



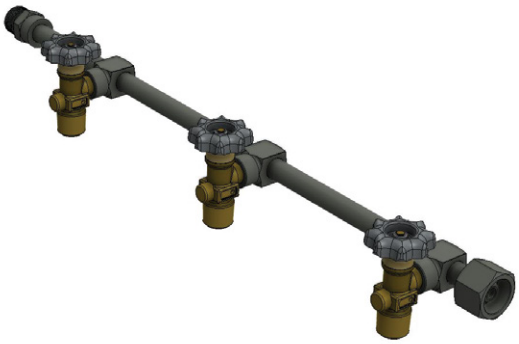
One elbow for L shape

Extension – Header, All Gases

Description	Size	Part No.	Approx. Shipping Wt. Lbs.
Extension, Brass	1/2" x 13"	2-04-1444-13	15
Extension, Brass	1/2" x 16"	2-04-1444-16	18
Extension, Brass	1/2" x 18"	2-04-1444-18	21
Extension, Brass	1/2" x 20"	2-04-1444-20	24
Extension, Brass	1/2" x 22"	2-04-1444-22	27

Add-on Headers

Description	Part No.	Approx. Shipping Wt. Lbs.
2-Cylinder - Add-on Header - Oxygen/Inert/Fuel Gas - Left Side	2-04-0826L-2	25
3-Cylinder - Add-on Header - Oxygen/Inert/Fuel Gas - Left Side	2-04-0826L-3	35
2-Cylinder - Add-on Header - Oxygen/Inert/Fuel Gas - Right Side	2-04-0826R-2	25
3-Cylinder - Add-on Header - Oxygen/Inert/Fuel Gas - Right Side	2-04-0826R-3	35



NOTES

LIMITED WARRANTY

1. Rexarc International, Inc. (“Rexarc”) warrants that the products purchased from Rexarc (the “Products”) are free from defects in material and workmanship. This warranty is given only to the original purchaser from Rexarc. The duration of this warranty is one (1) year for electrical components and seven (7) years for other parts and components, in each case starting from the date of shipment to the original purchaser.

2. Rexarc’s liability in connection with this warranty or other claim relating to the Products shall be limited to the repair, or at Rexarc’s option, the replacement or refund of the purchase price, of any Product that is returned to Rexarc in West Alexandria, Ohio, freight prepaid, and is determined to be defective after examination by Rexarc. No product or parts or components may be returned to Rexarc without first receiving return authorization from Rexarc. Products or parts or components thereof which are repaired or replaced by Rexarc will be returned to the purchaser freight collect.

3. Rexarc does not warrant any Product, components or parts not manufactured by Rexarc. Also, the Rexarc warranty does not apply to defects or damage caused by or arising from: (a) use of a Product for purposes other than those for which it was designed, (b) improper installation, (c) accidents or disasters such as fire or flood, (d) unauthorized attachments or modification, (e) shipment, (f) normal wear or tear, or (g) any abuse or misuse of the Product.

4. EXCEPT AS EXPRESSLY STATED HEREIN, REXARC MAKES NO WARRANTY, EXPRESS OR IMPLIED, WHETHER OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR USE OR OTHERWISE, ON THE PRODUCTS, OR ON ANY PARTS OR LABOR FURNISHED DURING THE SALE, DELIVERY OR SERVICING OF THE PRODUCTS.

5. This warranty is not intended to cover consumer products, as defined in the Magnuson-Moss Warranty-Federal Trade Commission Improvement Act, which are purchased by the purchaser for purposes other than resale. If the purchaser does not intend to resell the Products, and if the Products are consumer products as defined in the Magnuson-Moss Act, the foregoing warranty, but not the limitation of Rexarc’s liability, shall be null and void.

6. Any action for breach of this warranty must be commenced within 15 months following shipment of the Product to the original purchaser.

7. IN NO EVENT SHALL REXARC BE LIABLE TO THE PURCHASER FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF, OR AS THE RESULT OF, THE SALE, DELIVERY, NON-DELIVERY, SERVICING, USE OR LOSS OF USE OF THE PRODUCTS OR ANY PART THEREOF, OR FOR ANY CHARGES OR EXPENSES OF ANY NATURE INCURRED WITHOUT REXARC’S WRITTEN CONSENT, REGARDLESS OF WHETHER SUCH CLAIM THEREFOR IS BASED UPON BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE, STRICT TORT OR ANY OTHER LEGAL THEORY. IN NO EVENT SHALL REXARC’S LIABILITY UNDER ANY CLAIM MADE BY THE PURCHASER EXCEED THE PURCHASE PRICE OF THE PRODUCTS IN RESPECT OF WHICH DAMAGES ARE CLAIMED.

8. Some states do not allow limits on warranties or on remedies for breach in certain transactions. In such states, the limits in paragraphs (4) and (7) may not apply.

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