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# LPG EQUIPMENT CATALOGUE



AUSTRALIAN DISTRIBUTORS OF:

FISHER

SHERWOOD

MARSHALL

SQUIBB TAYLOR

MIYAIRI

ROCHESTER GAUGES

INDUSTRIAL HOSE

CEM PUMPING SYSTEMS



# CEM

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*Servicing the needs of the LPG Industry*

**CEM International Pty Ltd** was established in 1972, with the principle activity being the manufacture of cryogenic pressure vessels for the storage and transportation of liquefied gases.

This wholly owned Australian company has experienced continued growth and development, with the addition of non-cryogenic vessels for liquefied gases and a variety of Specialist Engineering manufactured products and Wholesaling Businesses.

CEM International is Australia's major supplier of road tankers, and static vessels for the storage and distribution of LPG, LNG and Cryogenic gases.

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# FIRST STAGE REGULATORS

## SHERWOOD



Sherwood First stage high-pressure regulator with high capacity relief.  
Use as first Stage regulator in Two Stage residential systems.  
Supports Medium and high capacity Loads as shown.

1,000 Mj Capacity at 25 PSIG Inlet Pressure

Mounting Bracket not included

PART NO.	INLET	OUTLET	FACTORY SET PRESSURE	OUTLET ADJUSTMENT	CARTON LOTS
SH-800HPS1 SH-800HPS3	FPOL FPOL	1/2" FNPT 3/4" FNPT	10 PSIG 10 PSIG	5 – 15 PSIG 5 – 15 PSIG	6

## FISHER



Fisher First stage high-pressure regulator with high capacity relief.  
Use as first Stage regulator in Two Stage residential systems.  
Supports Medium and high capacity Loads as shown.

Inlet pressure at 30 PSI with 20% droop.

Mounting Bracket not included

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	OUTLET PRESSURE RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
FI-R622H-BGJ	2100	1/2" FNPT	1/2" FNPT	8 – 12 PSI	10 PSI	10
FI-R622H-DGJ	2400	3/4" FNPT	3/4" FNPT	8 – 12 PSI	10 PSI	
FI-R622H-HGJ	2100	FPOL	1/2" FNPT	8 – 12 PSI	10 PSI	
FI-R622H-JGJ	2250	FPOL	3/4" FNPT	8 – 12 PSI	10 PSI	

*All regulators on this page meet over pressure protection requirements when used with second stage regulators that have high capacity relief.*



# FIRST STAGE REGULATORS

## MARSHALL



Marshall First stage high-pressure regulator with high capacity relief.  
Use as first Stage regulator in Two Stage residential systems.  
Supports Medium and high capacity Loads as shown.

Inlet pressure at 30 PSI with 20% droop.

Mounting Bracket not included

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	OUTLET PRESSURE RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
MB-R1520	800 Mj	1/4" FNPT	1/2" FNPT	5 – 10 PSIG	10 PSIG	6
MB-R1620	2200 Mj	1/4" FNPT	1/2" FNPT	5 – 10 PSIG	10 PSIG	

## REGO



First Stage regulators offer accurate regulation in two stage bulk tank systems reducing pressure to an intermediate pressure of 5 to 10 PSIG.

Can be used to supply high pressure to burners for applications such as Industrial Furnaces or boilers.

Mounting Bracket not included

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	OUTLET PRESSURE RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
RE-LV4403-TR9	2500 Mj	FPOL	1/2 " FNPT	5-10PSI	10 PSI	12
RE-LV4403-TR96	2500 Mj	FPOL	3/4 " FNPT	5-10PSI	10 PSI	

*All regulators on this page meet over pressure protection requirements when used together in two stage systems.*

# SECOND STAGE REGULATORS

## MARSHALL



Marshall Second stage low pressure regulator with high capacity relief.  
 Use as second Stage regulator in Two Stage residential systems.  
 Supports Medium and high capacity Loads as shown.

Mounting Bracket not included

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	OUTLET PRESSURE RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
MB-R2520 MB-R2620	500 Mj 1200 Mj	1/2" FNPT 1/2" FNPT	1/2" FNPT 1/2" FNPT	10 – 14 " WC 10 – 14 " WC	11" WC 11" WC	6

## SHERWOOD



Sherwood Second stage low pressure regulator with high capacity relief.  
 Use as second Stage regulator in Two Stage residential systems.

800 Mj Capacity at 70 Kpa (10PSI) Inlet Pressure

Mounting Bracket not included

PART NO.	INLET	OUTLET	FACTORY SET PRESSURE	OUTLET ADJUSTMENT	CARTON LOTS
SH-800HC SH-800JC SH-800NC	1/2" FNPT 1/2" FNPT 3/4" FNPT	1/2" FNPT 3/4" FNPT 3/4" FNPT	11" WC 11" WC 11" WC	9 – 13" WC 9 – 13" WC 9 – 13" WC	6

*All regulators on this page meet over pressure protection requirements with 70kpa max applied to inlet.*

## SECOND STAGE REGULATORS

### FISHER



Fisher Second stage low pressure regulator with high capacity relief.  
Use as second Stage regulator in Two Stage residential systems.  
Supports Medium and high capacity Loads as shown.

Mounting Bracket not included

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	OUTLET PRESSURE RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
FI-R622-BCF	875	1/2" FNPT	1/2" FNPT	9 1/2 – 13" WC	11" WC	6
FI-R622-CFF	1 375	1/2" FNPT	3/4" FNPT	9 1/2 – 13" WC	11" WC	
FI-R622-DFF	1 400	3/4" FNPT	1/2" FNPT	9 1/2 – 13" WC	11" WC	
FI-HSRL-BFC	2 100	3/4" FNPT	3/4" FNPT	9 1/2 – 13" WC	11" WC	

### REGO



Second Stage regulators designed to reduce first stage pressure of 5 – 20 PSI down to burner pressure, normally 11" wc. Ideal for medium commercial installations, multiple cylinder installations and normal domestic loads.

Mounting Bracket not included

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	OUTLET PRESSURE RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
RE-LV4403B4	935 Mj	1/2 " FNPT	1/2" FNPT	9 – 13" WC	11" WC	12
RE-LV4403B66	935 Mj	3/4" FNPT	3/4" FNPT	9 – 13" WC	11" WC	
RE-LV5503B4	1600 Mj	1/2 " FNPT	3/4" FNPT	9 – 13" WC	11" WC	
RE-LV5503B6	1600 Mj	3/4" FNPT	3/4" FNPT	9 – 13" WC	11" WC	
RE-LV5503B8	2300 Mj	3/4" FNPT	1" FNPT	9 – 13" WC	11" WC	

## ACCESSORIES

PART NO. & DESCRIPTION	VIEW
<p><b><u>MB-VK-520</u></b></p> <p><b>VENT KIT TO SUIT R1520 &amp; R2520</b></p>	

*All regulators on this page meet over pressure protection requirements with 70kpa max applied to inlet.*



# INTEGRAL TWO STAGE REGULATORS

## FISHER AND SHERWOOD



Integral Two –Stage regulators combine a First and Second stage regulator into one compact unit. Recommended for installations where piping distance is short, integral two stage regulators provide all of the advantages of two- stage regulation. Fisher integral two stage regulators are color- coded Gray for easy identification.

Mounting Bracket not included

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	OUTLET PRESSURE RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
SH-920A	550 Mj	1/4" FNPT	3/4" FNPT	9 – 13" WC	11" WC	6
FI-R632-BCF	700 Mj	1/4" FNPT	1/2" FNPT	9 – 13" WC	11" WC	
FI-R632-HCF	700 Mj	FPOL	1/2" FNPT	9 – 13" WC	11" WC	
FI-R632-CFF	750 Mj	1/4" FNPT	3/4" FNPT	9 – 13" WC	11" WC	
FI-R632-JFF	750 Mj	FPOL	3/4" FNPT	9 – 13" WC	11" WC	

## FISHER



The Fisher R232 series integral two stage regulators are designed for installation with medium loads up to 350 Mj.

The regulator incorporates a Fluoroelastomer called "FKM" for the disc material in the first stage regulator along with resins and chromate conversion coatings aimed at repelling moisture and propane impurities.

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	OUTLET PRESSURE RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
FI-R232-BBF	350 Mj	1/2" FNPT	1/2" FNPT	9 – 13 " WC	11" WC	12
FI-R232-BBFMC	350 Mj	1/4" INV. FLARE	1/2" FNPT	9 – 13 " WC	11" WC	
FI-R232-BBFSB	350 Mj	POL	1/2" FNPT	9 – 13 " WC	11" WC	
FI-R232-BBFT	350 Mj	1/4" INV. FLARE	1/2" FNPT	9 – 13 " WC	11" WC	
FI-R232-BBFP	350 Mj	POL	1/2" FNPT	9 – 13 " WC	11" WC	

*All regulators on this page meet over pressure protection requirements.*





# INTEGRAL TWO STAGE REGULATORS

## REGO



### RE-LV404B23

Domestic Integral Two Stage Bare Regulator with High Capacity Relief at Capacities shown.

Mounting Bracket not included

### RE-LV404B23SSM

Domestic Integral Two Stage Manual Change over Regulator outfit with High Capacity Relief at Capacities shown. (Copper Pigtails and mounting bracket inc.)

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	OUTLET PRESSURE RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
RE-LV404B23	200 Mj	1/4" FNPT	1/2" FNPT	9 – 13" WC	11" WC	12
RE-LV404B23SSM	200 Mj	1/4" INV. FLARE	1/2" FNPT	9 – 13" WC	11" WC	



### RE-LV404B4

Domestic Integral Two Stage Bare Regulator with High Capacity Relief at Capacities shown.

Mounting Bracket not included

### RE-LV404B4SSM

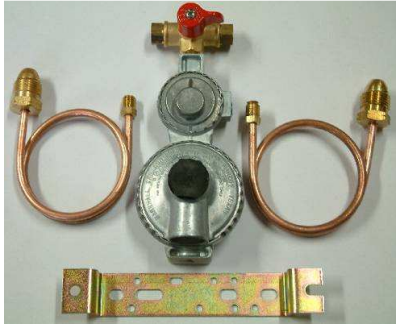
Domestic Integral Two Stage Manual Change Over Regulator outfit with High Capacity Relief at Capacities shown. (Copper Pigtails and mounting bracket inc.)

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	OUTLET PRESSURE RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
RE-LV404B4	525 Mj	1/4" FNPT	1/2" FNPT	9 – 13" WC	11" WC	6
RE-LV404B4SSM	525 Mj	1/4" INV. FLARE	1/2" FNPT	9 – 13" WC	11" WC	

*All regulators on this page meet over pressure protection requirements.*

# MARSHALL INTEGRAL TWO STAGE REGULATORS

## MANUAL CHANGE OVER REGULATOR

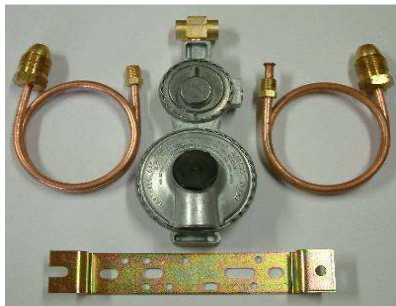


Integral two stage manual change-over regulator outfit complete with copper pigtails, mounting bracket & screws at capacities shown.

(Also available with stainless steel or Rubber Pigtails)

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	ADJUSTMENT RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
MB-290-00MC	160 Mj	1/4" INV. FLARE	3/8" FNPT	9 – 13" WC	11" WC	10
FI-R232-BBFMC	350 Mj	1/4" INV. FLARE	1/2" FNPT	9 – 13" WC	11" WC	

## TEE OUTFIT REGULATOR



Integral two stage Tee regulator outfit complete with copper pigtails, mounting bracket & screws at capacities shown.

(Also available with stainless steel or Rubber Pigtails)

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	ADJUSTMENT RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
MB-290-00T	160 Mj	1/4" INV. FLARE	3/8" FNPT	9 – 13" WC	11" WC	10
FI-R232-BBFT	350 Mj	1/4" INV. FLARE	1/2" FNPT	9 – 13" WC	11" WC	

*All regulators on this page meet over pressure protection requirements.*

# MARSHALL INTEGRAL TWO STAGE REGULATORS

## POL REGULATOR OUTFIT



Domestic Integral Two Stage POL Regulator with High Capacity Relief at Capacities shown.

Mounting Bracket not included

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	ADJUSTMENT RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
MB-290-00P	160 Mj	POL	3/8" FNPT	9 – 13" WC	11" WC	25
FI-R232-BBFP	350 Mj	POL	1/2" FNPT	9 – 13" WC	11" WC	

## BARE REGULATOR



Domestic Integral Two Stage Bare Regulator with High Capacity Relief at Capacities shown.

Mounting Bracket not included

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	ADJUSTMENT RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
MB-290-00	160 Mj	1/4" FNPT	3/8" FNPT	9 – 13" WC	11" WC	25
FI-R232-BBF	350 Mj	1/4" FNPT	1/2" FNPT	9 – 13" WC	11" WC	

## SINGLE BOTTLE REGULATOR OUTFIT



Domestic Integral Two Stage Single Bottle Regulator with pigtail and High Capacity Relief at Capacities shown.

Mounting Bracket not included

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	ADJUSTMENT RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
MB-290-00SB	160 Mj	MPOL	3/8" FNPT	9 – 13" WC	11" WC	25
FI-R232-BBFSB	350 Mj	1/4" FNPT	1/2" FNPT	9 – 13" WC	11" WC	

*All regulators on this page meet over pressure protection requirements.*



# SHERWOOD STREAMLINE INTEGRAL TWO STAGE REGULATORS

## MANUAL CHANGE OVER REGULATOR



Integral two stage manual change-over regulator outfit complete with copper pigtails, mounting bracket & screws at capacities shown.

(Also available with stainless steel or Rubber Pigtails)

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	ADJUSTMENT RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
SH-720AMC	250 Mj	1/4" INV. FLARE	3/8" FNPT	9 – 13" WC	11" WC	10
SH-720BMC	500 Mj	1/4" INV. FLARE	1/2" FNPT	9 – 13" WC	11" WC	
SH-720CMC	160 Mj	1/4" INV. FLARE	3/8" FNPT	9 – 13" WC	11" WC	

## TEE OUTFIT REGULATOR



Integral two stage Tee regulator outfit complete with copper pigtails, mounting bracket & screws at capacities shown.

(Also available with stainless steel or Rubber Pigtails)

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	ADJUSTMENT RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
SH-720AT	250 Mj	1/4" INV. FLARE	3/8" FNPT	9 – 13" WC	11" WC	10
SH-720BT	500 Mj	1/4" INV. FLARE	1/2" FNPT	9 – 13" WC	11" WC	
SH-720CT	160 Mj	1/4" INV. FLARE	3/8" FNPT	9 – 13" WC	11" WC	

*All regulators on this page meet over pressure protection requirements.*

# SHERWOOD STREAMLINE INTEGRAL TWO STAGE REGULATORS

## POL REGULATOR OUTFIT



Domestic Integral Two Stage POL Regulator with High Capacity Relief at Capacities shown.

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	ADJUSTMENT RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
SH-720AP SH-720BP SH-720CP	250 Mj 500 Mj 160 Mj	POL POL POL	3/8" FNPT 1/2" FNPT 3/8" FNPT	9 – 13" WC 9 – 13" WC 9 – 13" WC	11" WC 11" WC 11" WC	25

## BARE REGULATOR



Domestic Integral Two Stage Bare Regulator with High Capacity Relief at Capacities shown.

Mounting Bracket not included

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	ADJUSTMENT RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
SH-720A SH-720B SH-720C	250 Mj 500 Mj 160 Mj	1/4" FNPT 1/4" FNPT 1/4" FNPT	3/8" FNPT 1/2" FNPT 3/8" FNPT	9 – 13" WC 9 – 13" WC 9 – 13" WC	11" WC 11" WC 11" WC	25

## SINGLE BOTTLE REGULATOR OUTFIT



Domestic Integral Two Stage Bare Regulator with pigtail and High Capacity Relief at Capacities shown. Also available with stainless steel flexible pigtails.

Mounting Bracket not included

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	ADJUSTMENT RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
SH-720ASB SH-720BSB SH-720CSB	250 Mj 500 Mj 160 Mj	1/4" FNPT 1/4" FNPT 1/4" FNPT	3/8" FNPT 1/2" FNPT 3/8" FNPT	9 – 13" WC 9 – 13" WC 9 – 13" WC	11" WC 11" WC 11" WC	25

*All regulators on this page meet over pressure protection requirements.*



# AUTOMATIC CHANGEOVER REGULATORS

## SHERWOOD



Sherwood Automatic Two Stage Change Over Regulator Outfit complete with copper pigtails, mounting bracket & Screws with High Capacity Relief.

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	OUTLET PRESSURE RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
SH-1776AFDA	550 Mj	1/4" INV. FLARE	1/2" FNPT	9 – 13" WC	11" WC	6

## MARSHALL



Marshall Automatic Two Stage Change Over Regulator Outfit complete with copper pigtails, mounting bracket & Screws with High Capacity Relief.

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	OUTLET PRESSURE RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
MB-R4520K	500 Mj	1/4" INV. FLARE	1/2" FNPT	9 – 13" WC	11" WC	6

## STREAMLINE



Streamline Automatic Two Stage Change Over Regulator Outfit complete with copper pigtails, mounting bracket & Screws with High Capacity Relief.

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	OUTLET PRESSURE RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
SH-730AK	200 Mj	1/4" INV. FLARE	3/8" FNPT	10 – 14 " WC	11" WC	6
SH-730BK	400 Mj	1/4" INV. FLARE	3/8" FNPT	10 – 14 " WC	11" WC	
SH-730CK	160 Mj	1/4" INV. FLARE	3/8" FNPT	3/8" FNPT	11" WC	

*All regulators on this page meet over pressure protection requirements.*

# AUTOMATIC CHANGEOVER REGULATORS

## REGO



Rego Automatic Change Over, two stage regulators are particularly suitable for homes, mobile homes and other two cylinder installations, allowing empty cylinders to be replaced without interrupting customers' gas supply. Complete with copper pigtails, mounting bracket & Screws with High Capacity Relief.

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	OUTLET PRESSURE RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
RE-LV7525B23SM	180 Mj	1/4" INV FLARE	1/2" FNPT	9 – 13" WC	11" WC	12

## MARSHALL



Marshall Automatic Two Stage Change Over Regulator Outfit complete with copper pigtails, mounting bracket & Screws with High Capacity Relief.

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	OUTLET PRESSURE RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
MB-254-00K	210 Mj	1/4" INV. FLARE	3/8" FNPT	9 – 13" WC	11" WC	25

### MARSHALL REMOTE INDICATOR

#### **RCI-24**

The Marshall Remote Changeover Indicator offers the convenience of monitoring the uninterrupted gas supply from a 254 series Regulator to the LP gas appliances.

The sensor clip easily snaps onto the indicator window of the Marshall 254 Automatic changeover two-stage regulator.

The sensor recognizes when the 254 regulator is drawing from the reserve cylinder and signals the light box which has been installed in a remote location away from the propane cylinders.

The blinking yellow light indicates that the service cylinder is empty and needs to be filled.



*All regulators on this page meet over pressure protection requirements.*



## REGULATOR BRACKETS

		
PART NO	DESCRIPTION	CARTON LOTS
CE-231-74	UNIVERSAL REGULATOR BRACKET	100
		
PART NO	DESCRIPTION	CARTON LOTS
MB-240-32	MARSHAL Z-MOUNTING REGULATOR BRACKET	100
		
PART NO	DESCRIPTION	CARTON LOTS
SH-1776-25	MOUNTING BRACKET TO SUIT SHERWOOD REGULATORS	100
		
PART NO	DESCRIPTION	CARTON LOTS
SH-700-1	PLASTIC MOUNTING BRACKET FOR SHERWOOD STREAMLINE 720 AND 730 SERIES REGULATORS.	100



# HIGH PRESSURE REGULATORS

## FISHER 67 SERIES



Suitable for liquid or vapor service, the 67CH Series high pressure ( pounds to pounds) regulators are used in a variety of applications.

All types within the series have a 1/4" FNPT size outlet in which a pressure gauge can be installed.

**NOTE:** The 67CH series regulators do not have an internal relief valve. These units should not be installed in fixed piping servicing low pressure appliance systems.

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	OUTLET PRESSURE RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
FI-67CH/741	1150 Mj	1/4" FNPT	1/4" FNPT	35 – 100 PSI	50 PSI	24
FI-67CH/741GP	1150 Mj	MPOL	1/4" FNPT	35 – 100 PSI	50 PSI	
FI-67CH/742	700 Mj	1/4" FNPT	1/4" FNPT	30 – 60 PSI	40 PSI	
FI-67CH/742GP	700 Mj	MPOL	1/4" FNPT	30 – 60 PSI	40 PSI	
FI-67CH/743	700 Mj	1/4" FNPT	1/4" FNPT	3 – 35 PSI	20 PSI	
FI-67CH/743GP	700 Mj	MPOL	1/4" FNPT	3 – 35 PSI	20 PSI	
FI-67CH/745	700 Mj	MPOL	1/4" FNPT	3 – 35 PSI	20 PSI	

## FISHER 64 SERIES



The Type 64 series Regulator is an adjustable high pressure regulator with a wide range of available outlet pressure ranges. It does not contain a relief valve.

It should always be used in conjunction with a downstream regulator and/or separate relief valve devices in compliance with over pressure protection requirements.

PART NO.	DESCRIPTION	CAPACITY Mj	INLET AND OUTLET CONNECTION	OUTLET PRESSURE RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
FI-64/33	BASIC REGULATOR	2625 Mj	1/2" FNPT	3 – 15 PSI	10 PSI	12
FI-64/35		3600 Mj		5 – 35 PSI	20 PSI	
FI-64/36		4150 Mj		30 – 60 PSI	40 PSI	
FI-64/222	5250 Mj	35 – 100 PSI		50 PSI		
FI-64SR/21	WITH PARTIAL INTERNAL RELIEF VALVE	2625 Mj		3 – 15 PSI	10 PSI	
FI-64SR/22		3000 Mj		5 – 20 PSI	15 PSI	
FI-64SR/23		3600 Mj		5 – 35 PSI	20 PSI	



# HIGH PRESSURE REGULATORS

## REGO



Rego High Pressure, High Temperature Industrial/Commercial Pounds-to-Pounds regulators.

These adjustable high pressure regulators do not contain a relief valve and should always be used in conjunction with a downstream regulator and or separate relief device in compliance with over pressure protection requirements.

PART NO.	CAPACITY Mj	INLET CONNECTION	OUTLET CONNECTION	OUTLET PRESSURE RANGE	OUTLET PRESSURE SETTING	CARTON LOTS
RE-1584MN	5000 Mj	1/2" FNPT	1/2 " FNPT	3-30 PSI	20 PSI	12
RE-1586MN	7500 Mj	3/4" FNPT	3/4 " FNPT	3-30 PSI	20 PSI	
RE-1588MN	7500 Mj	1" FNPT	1" FNPT	3-30 PSI	20 PSI	

# DIAPHRAGM RELIEF VALVES

## DIAPHRAGM RELIEF VALVES

Both the Type 1805 and 289H are Diaphragm relief valves That protect piping downstream of a regulator from excessive Pressure.

**TYPE 1805** is usually installed between a First and Second Stage regulator or in the downstream line from a high pressure regulator used for Final-Stage service. Its Internal parts can be removed without taking the body out of the line.

**TYPE 289H** is installed between large Second-Stage regulators Like the S302 and S202 and the burner to provide high capacity Relief. The large diaphragm in these valves gives extremely Sensitive operation.

*For other Diaphragm Relief Valves in the Fisher range, Contact your nearest CEM International sales Office.*



PART NO.	BODY SIZE	RELIEF PRESSURE SETTING	RELIEF ADJUSTMENT RANGE	Propane Relief Capacity At Following Pressure Buildup Over Relief setting	
				1 PSI	15 PSI
FI-1805-19P	1" FNPT	30 PSI	10 – 60 PSI	---	2840 scfh
FI-289H/2	2" FNPT	1 PSI	.5 – 2.25 PSI	11000 scfh	---

## 3139 SERIES VAPOR RELIEF VALVES

### APPLICATION

Designed for use as a relief valve on first stage regulators That comply with exemption 2.5.7.5: " first stage regulators with a rated capacity of not more than 500 Mj shall be permitted to have a separate relief valve;

### FEATURES

- . Pop-action design keeps product loss to a minimum.
- . Suitability for downstream of 64 Series regulators on vapor systems.
- . May be installed on either the regulator pressure gauge port or on a fitting downstream from the regulator outlet.
- . Constructed of non-corrosive brass.

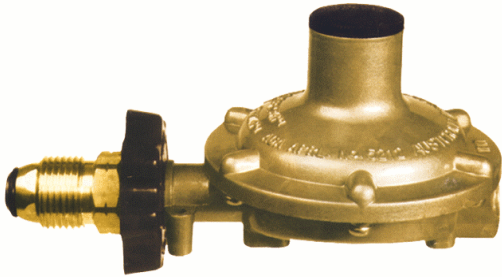


PART NO.	RELIEF VALVE SETTING	REGULATOR SET PRESSURE	CONNECTION SIZE
RE-3139-18	18 PSI	10 PSI	1/4" MNPT
RE-3139-26	26 PSI	15 PSI	1/4" MNPT
RE-3139-38	38 PSI	20 PSI	1/4" MNPT



# RECREATIONAL REGULATORS

## HANDWHEEL REGULATOR



### DESCRIPTION

Auscrown Single Stage regulator with Soft nose  
Hand-wheel POL.  
110 Mj Capacity at 70 Kpa (10 PSI) Inlet Pressure

PART NO	INLET	OUTLET	FACTORY SET PRESSURE	OUTLET ADJUSTMENT	CARTON LOTS
AU-TPA-7010	MPOL HWHEEL	3/8" FNPT	11" WC	9 – 13" WC	20

## RIGHT-ANGLE REGULATOR



### DESCRIPTION

Single Stage Companion Right angle Regulator.  
90 Mj Capacity at 70 Kpa (10 PSI) Inlet Pressure.

PART NO	INLET	OUTLET	FACTORY SET PRESSURE	OUTLET ADJUSTMENT	CARTON LOTS
BR-6060238	COMPANION	3/8" RNPT	11" WC	9 – 13 " WC	25

## BBQ REGULATORS AND HOSES



### DESCRIPTION

Single Stage Low pressure, soft nose POL regulator complete with 600mm LPG Hose.

PART NO.	DESCRIPTION	CARTON LOTS
CE-REG600	BBQ Low Pressure Regulator with Soft Nose POL Complete with 600mm Long Hose	20

## MARSHALL HIGH PRESSURE REGULATOR



### DESCRIPTION

MB-130#139  
Marshall High Pressure regulator 10 psi.

PART NO.	DESCRIPTION	CARTON LOTS
MB-130#139	Marshall High Pressure regulator	50

## AUSCROWN HIGH PRESSURE REGULATOR

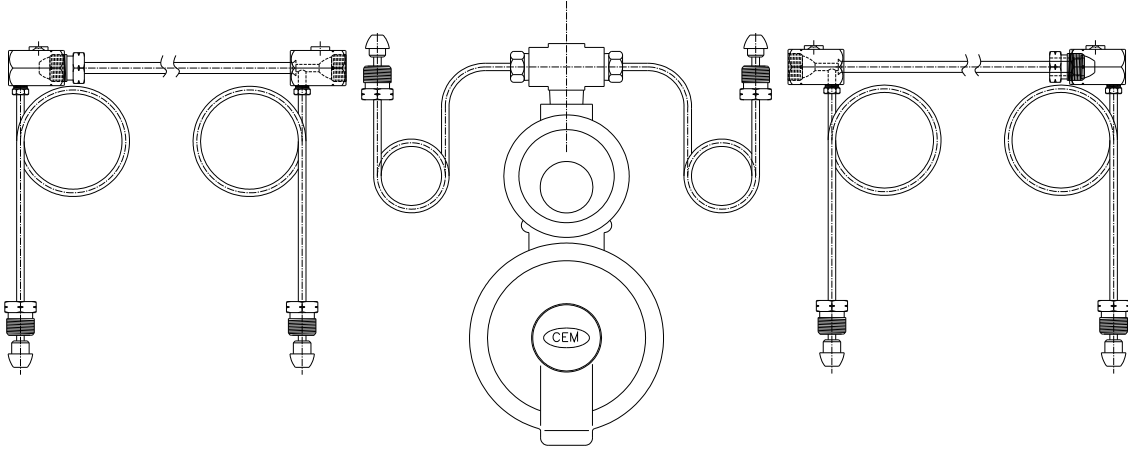


### DESCRIPTION

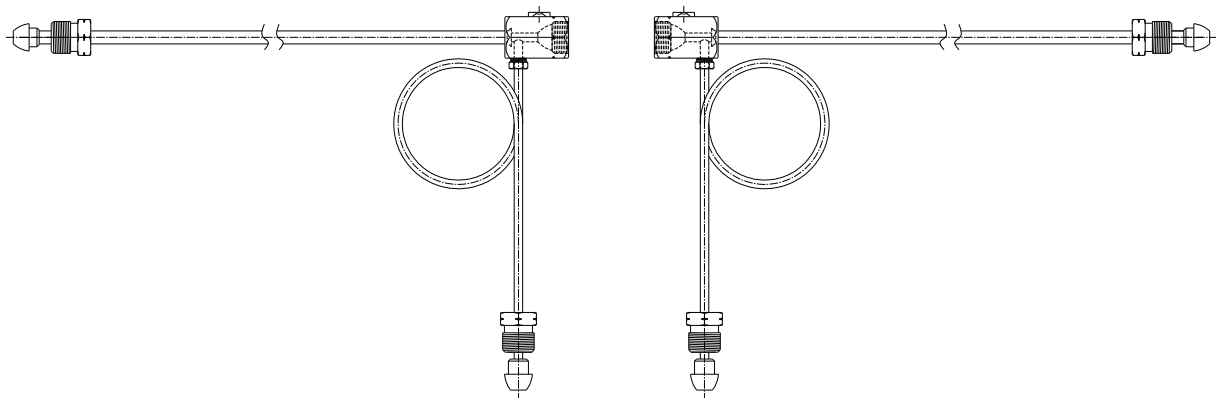
AU-MPR16LFT  
Auscrown Medium Pressure regulator.

PART NO.	INLET CONNECTION	OUTLET CONNECTION	OUTLET PRESSURE RANGE	CAPACITY	CARTON LOTS
AU-MPR16LFT	MPOL	1/4" FNPT	0 – 44 PSI	226 Mj	12

# CYLINDER MANIFOLDS




**MI-K2000** CEM 4 CYLINDER MANIFOLD COMPLETE WITH PIGTAILS  
(REGULATOR OUTFIT NOT INCLUDED)




**MI-K2000-1** CEM 2 CYLINDER MANIFOLD EXTENSION COMPLETE WITH  
PIGTAILS.

## COPPER PIGTAILS

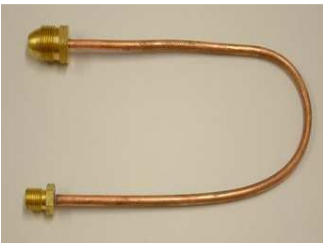
### POL X 1/4" INVERTED FLARE PIGTAILS

VIEW	PART NUMBER	DESCRIPTION
	<b>MI-5700SS</b>	POL X 1/4" INVERTED FLARE – 20" LONG
	<b>MI-5704SS</b>	POL X 1/4" INVERTED FLARE – 30" LONG
	<b>MI-5704S1.0</b>	POL X 1/4" INVERTED FLARE – 1 METER LONG

### POL X POL PIGTAILS



VIEW	PART NUMBER	DESCRIPTION
	<b>MI-4700SS</b>	POL X POL 20" LONG
	<b>MI-4704SS</b>	POL X POL 30" LONG
	<b>MI-4704S1.0</b>	POL X POL 1 METER LONG
	<b>MI-4800SS</b>	POL X POL 20" LONG – 3/8" TUBE
	<b>MI-4804SS</b>	POL X POL 30" LONG – 3/8" TUBE
	<b>MI-4804S1.0</b>	POL X POL 1 METER LONG – 3/8" TUBE

### POL X 1/4" MNPT FIXED PIGTAIL

VIEW	PART NUMBER	DESCRIPTION
	<b>MI-K280</b>	POL X 1/4" MNPT 20" LONG PIGTAIL.

# FLEXIBLE PIGTAILS



## 8MM ID GAS STAINLESS STEEL BRAIDED FLEXIBLE PIGTAILS

VIEW	PART NUMBER	DESCRIPTION
	<b>AQ-FPT1520</b>	FLEXIBLE PIGTAIL POL X ¼" INVERTED FLARE 450MM LONG.
	<b>AQ-FPT1522</b>	FLEXIBLE PIGTAIL POL X ¼" INVERTED FLARE 600MM LONG.
	<b>AQ-FPT1524</b>	FLEXIBLE PIGTAIL POL X ¼" INVERTED FLARE 900MM LONG.
	<b>AQ-FPT1525</b>	FLEXIBLE PIGTAIL POL X ¼" INVERTED FLARE 1000MM LONG.
VIEW	PART NUMBER	DESCRIPTION
	<b>AQ-FPT1500</b>	FLEXIBLE PIGTAIL POL X ¼" MBSP 450 MM LONG.
	<b>AQ-FPT1502</b>	FLEXIBLE PIGTAIL POL X ¼" MBSP 600 MM LONG.
	<b>AQ-FPT1504</b>	FLEXIBLE PIGTAIL POL X ¼" MBSP 900 MM LONG.
VIEW	PART NUMBER	DESCRIPTION
	<b>AQ-FPT1542</b>	FLEXIBLE PIGTAIL POL X POL 600 MM LONG.
	<b>AQ-FPT1544</b>	FLEXIBLE PIGTAIL POL X POL 900 MM LONG.





## FLEXIBLE PIGTAILS

### 8MM ID GAS STAINLESS STEEL BRAIDED FLEXIBLE PIGTAILS WITH HANDWHEEL

VIEW	PART NO	DESCRIPTION
	<b>AQ-FPT1530</b>	FLEXIBLE PIGTAIL POL HANDWHEEL X 1/4" INV.FLARE 450 MM LONG.
	<b>AQ-FPT1532</b>	FLEXIBLE PIGTAIL POL HANDWHEEL X 1/4" INV.FLARE 600 MM LONG.
	<b>AQ-FPT1533</b>	FLEXIBLE PIGTAIL POL HANDWHEEL X 1/4" INV.FLARE 750 MM LONG.
	<b>AQ-FPT1534</b>	FLEXIBLE PIGTAIL POL HANDWHEEL X 1/4" INV.FLARE 900 MM LONG.
VIEW	PART NO	DESCRIPTION
	<b>AQ-FPT1510</b>	FLEXIBLE PIGTAIL POL HANDWHEEL X 1/4" MBSP 450 MM LONG.
	<b>AQ-FPT1512</b>	FLEXIBLE PIGTAIL POL HANDWHEEL X 1/4" MBSP 600 MM LONG.

## LPG DISPENSER HOSE

VIEW	PART NO	DESCRIPTION
	<b>IH-1/2X750MM</b>	INDUSTRIAL HOSE 1/2" DIA X 750MM LONG COMPLETE WITH 3/4" MNPT ENDS  TESTED AND CERTIFIED.  (Available in any length and fitting combination)
	<b>IH-1/2X5M</b>	INDUSTRIAL HOSE 1/2" DIA X 5000MM LONG COMPLETE WITH 3/4" MNPT ENDS  TESTED AND CERTIFIED.  (Available in any length and fitting combination)

# STAINLESS STEEL FLEXIBLE TUBING

VIEW	DESCRIPTION
	<p><b><u>FLEXIBLE PIPING TUBE PIGTAILS</u></b></p> <p>FLEXIBLE PIGTAIL POL X 1/4" INVERTED FLARE 450MM LONG.</p> <p>FLEXIBLE PIGTAIL POL X 1/4" INVERTED FLARE 600MM LONG.</p> <p>FLEXIBLE PIGTAIL POL X 1/4" INVERTED FLARE 900MM LONG.</p> <p>FLEXIBLE PIGTAIL POL X 1/4" INVERTED FLARE 1000MM LONG.</p>
	<p>FLEXIBLE PIPING TUBE PIGTAILS AVAILABLE IN 1/4" AND 3/8" TUBE.</p> <p>POL X POL 20" LONG</p> <p>POL X POL 30" LONG</p> <p>POL X POL 1 METER LONG</p>
	<p>AGA APPROVED TO 2.6 MPa ( 5.4 MPa TEST PRESSURE) DURABLE CORROSION RESISTANT WITH FLEXIBILITY TO ENABLE EASY CONNECTION ON ANY BULK TANK OR PIPING INSTALLATION.</p> <p>AVAILABLE FROM 1/2" ID TO 1 1/4" ID. ALSO AVAILABLE IN LENGTHS FROM 12" TO 48".</p>

# STAINLESS STEEL FLEXIBLE TUBING

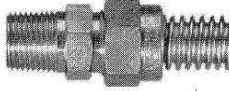
Certified to AGA 216, is regarded as suitable for use as the final connector to indoor and outdoor gas appliances (in lieu of copper tube)

## The 30 Series - AGA approved - High Flow Stainless Steel Gas Connectors

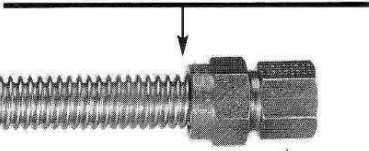
Developed to make Gas Connections easier - Cookers - Hot Water Units - Ducted heaters – and more

**Durable, corrosion-resistant stainless steel tubing**


**Markings stamped on the nut**  
not on an ID ring. This eliminates any vibration noise.



**Exclusive No-Neck® design**  
increases tubing flexibility.



**Design certified**  
domestically and internationally for indoor and outdoor use.



**Safety and quality**  
Consistent quality ensures a safe product you can trust.

**Quality flared end fittings**  
create a metal to metal seal to ensure integrity in critical applications.

**Natural gas - 30 Series Stainless Steel Gas Connectors - Nominal ID = 1/2" - Flow rates with a 0.124Kpa pressure drop**

P/No	DF301215M	DF301815M	DF302415MF	DF303615M	DF303620MF	DF304815M
Description	1/2"m x 1/2"m x 12"	1/2"m x 1/2"m x 18"	1/2"m x 1/2"m x 24"	1/2"m x 1/2"m x 36"	3/4"m x 3/4"m x 36"	1/2"m x 1/2"m x 48"
Mj/hr - NG	190 mj/hr	173 mj/hr	158 mj/hr	132 mj/hr	132 mj/hr	112 mj/hr

**LPG gas - 30 Series Stainless Steel Gas Connectors - Nominal ID = 1/2" - Flow rates with a 0.124Kpa pressure drop**

P/No	DF301215M	DF301815M	DF302415MF	DF303615M	DF303620MF	DF304815M
Description	1/2"m x 1/2"m x 12"	1/2"m x 1/2"m x 18"	1/2"m x 1/2"m x 24"	1/2"m x 1/2"m x 36"	3/4"m x 3/4"m x 36"	3/4"m x 3/4"m x 48"
Mj/hr-LPG	290 mj/hr	277 mj/hr	253 mj/hr	211 mj/hr	211 mj/hr	178 mj/hr

**Natural gas - 40 Series Stainless Steel Gas Connectors - Nominal ID = 3/4" - Flow rates with a 0.124Kpa pressure drop**

P/No	DF402420M	DF403620M	DF404820M	n/a	n/a	n/a
Description	3/4"m x 3/4"m x 24"	3/4"m x 3/4"m x 36"	3/4"m x 3/4"m x 36"			
Mj/hr - NG	300 mj/hr	280 mj/hr	220 mj/hr			

**LPG gas - 40 Series Stainless Steel Gas Connectors - Nominal ID = 3/4" - Flow rates with a 0.124Kpa pressure drop**

P/No	DF402420M	DF403620M	DF404820M	n/a	n/a	n/a
Description	3/4"m x 3/4"m x 24"	3/4"m x 3/4"m x 36"	1/2"m x 1/2"m x 24"			
Mj/hr-LPG	470 mj/hr	420 mj/hr	350 mj/hr			

**Important:**

Gas flow (mj/hr) and gas line pressure (Kpa) must be considered together to understand if a gas appliance will have enough gas pressure at its inlet to meet its mj/hr rating. To assist customers, we have formulated the above charts to promote the correct selection of a gas connector for the project, with minimal fuss.

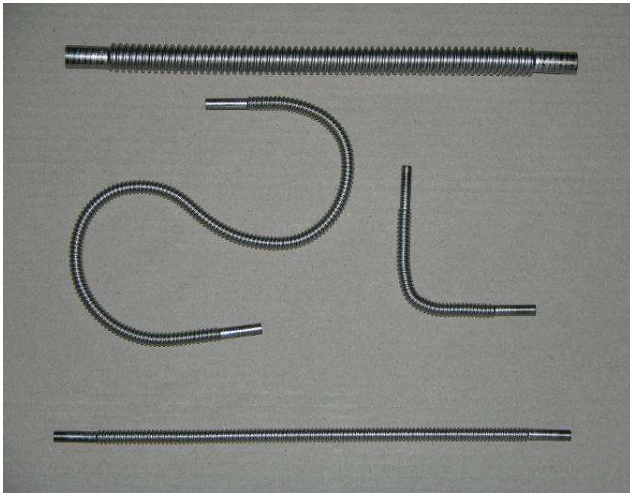
The Series number of the gas connector is shown, internal diameter, and the flow rates for both Natural gas and LPG gas



# STAINLESS STEEL FLEXIBLE TUBING

## Corrugated Stainless Steel Pilot Tubing

The Dormant Pilot Flex Tube is an alternative to traditional pipe and tubing systems for internal use in gas appliances and commercial equipment. Flex Tube is made of corrugated 304 stainless steel to offer enhanced strength, corrosion and flexibility over rigid tube assemblies.



- Tubing material = 304 annealed S/Steel.
- Working pressure = 0 to 15 PSIG.
- Bending = can be re-worked in the field.
- Fittings = supplied with pilots / controls.
- Temperature = 18 to 260 degrees "C".  
(As measured at the fittings)
- Overall lengths = 6" modules up to 48".
- DO NOT use pipe dope, Teflon tape or any other sealant – not required.
- Always check for gas leaks after installing.

<b>Part Numbers</b>	<b>1/4" pilot tubes-No fittings</b>
DFT4-06	T4 SERIES - 6" x OD 1/4 INCH NECK
DFT4-08	T4 SERIES - 8" x OD 1/4 INCH NECK
DFT4-12	T4 SERIES - 12" x OD 1/4 INCH NECK
DFT4-18	T4 SERIES - 18" x OD 1/4 INCH NECK
DFT4-24	T4 SERIES - 24" x OD 1/4 INCH NECK
DFT4-30	T4 SERIES - 30" x OD 1/4 INCH NECK
DFT4-33	T4 SERIES - 33" x OD 1/4 INCH NECK
DFT4-36	T4 SERIES - 36" x OD 1/4 INCH NECK
DFT4-48	T4 SERIES - 48" x OD 1/4 INCH NECK

<b>Part Numbers</b>	<b>3/8" pilot tubes-No fittings</b>
DFT6-06	T6 SERIES - 6" x OD 3/8 INCH NECK
DFT6-12	T6 SERIES - 12" x OD 3/8 INCH NECK
DFT6-18	T6 SERIES - 18" x OD 3/8 INCH NECK
DFT6-24	T6 SERIES - 24" x OD 3/8 INCH NECK
DFT6-36	T6 SERIES - 36" x OD 3/8 INCH NECK
DFT6-48	T6 SERIES - 48" x OD 3/8 INCH NECK
<b>Part Numbers</b>	<b>1/2" pilot tubes-No fittings</b>
DFT8-12	T8 SERIES - 12" x OD 1/2 INCH NECK
DFT8-24	T8 SERIES - 24" x OD 1/2 INCH NECK

# FLEXIBLE HOSE

AGA gas approval No: # 5305 - Class "B" - 7Kpa rated and -20C to + 125degrees "C"

## The Dormont "Safety Blue Hose Kit for Castor-Mounted Appliances"- High Flow

The heart of the Safety System is the Dormont Blue Hose, specifically engineered for castor-mounted commercial cooking equipment. The Blue Hose includes an Antimicrobial Protective PVC Coating, and our Stress Guard Technology which makes the hose easier to install and dramatically reduces stress on the hose at its most vulnerable points.

**Fig 1 - Correct method of installation**

**Accessory if required**

- SwivelMax – shown in picture
- 360\* multi-plane range of motion
- range of motion

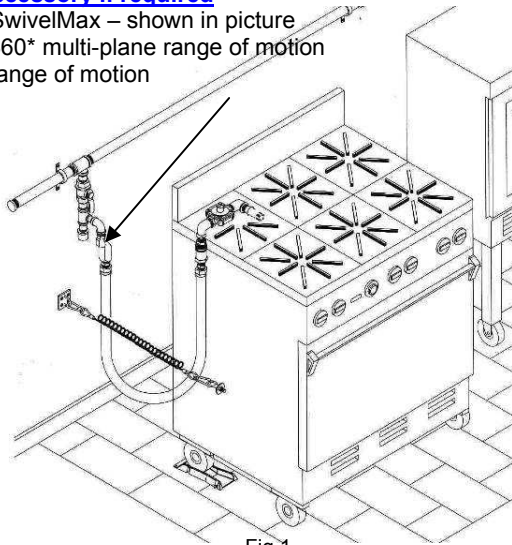


Fig 1

**Castor Kit Includes**

- Gas connector
- Quick – disconnect
- Restraining device with hardware



Natural gas - 30 Series - Castor Gas Connector Kits – Blue Coated - Flow Rates with a 0.124Kpa pressure drop			
Nominal Internal Diameter - 1/2"	Description - 1/2" male x 1/2" QD Available Lengths and mj/hr	P/N: DFKB3615 36" = 132mj/hr NG	P/N: DFKB4815 48" = 112mj/hr NG
LPG gas - 30 Series - Castor Gas Connector Kits – Blue Coated - Flow Rates with a 0.124Kpa pressure drop			
Nominal Internal Diameter - 1/2"	Description - 1/2" male x 1/2" QD Available Lengths and mj/hr	P/N: DFKB3615 36" = 211mj/hr LPG	P/N: DFKB4815 48" = 178mj/hr LPG
Natural gas - 40 Series - Castor Gas Connector Kits – Blue Coated - Flow Rates with a 0.124Kpa pressure drop			
Nominal Internal Diameter - 3/4"	Description - 3/4" male x 3/4" QD Available Lengths and mj/hr	P/N: DFKB3620 36" = 280mj/hr NG	P/N: DFKB4820 48" = 220mj/hr NG
LPG gas - 40 Series - Castor Gas Connector Kits – Blue Coated - Flow Rates with a 0.124Kpa pressure drop			
Nominal Internal Diameter - 3/4"	Description - 3/4" male x 3/4" QD Available Lengths and mj/hr	P/N: DFKB3620 36" = 420mj/hr LPG	P/N: DFKB4820 48" = 350mj/hr LPG
Natural gas - 50 Series - Castor Gas Connector Kits – Blue Coated - Flow Rates with a 0.124Kpa pressure drop			
Nominal Internal Diameter - 1"	Description - 1" male x 1" QD Available Lengths and mj/hr	P/N: DFKB3625 36" = 520mj/hr NG	P/N: DFKB4825 48" = 450mj/hr NG
LPG gas - 50 Series - Castor Gas Connector Kits – Blue Coated - Flow Rates with a 0.124Kpa pressure drop			
Nominal Internal Diameter - 1"	Description - 1" male x 1" QD Available Lengths and mj/hr	P/N: DFKB3625 36" = 840mj/hr LPG	P/N: DFKB4825 48" = 720mj/hr LPG

# FLEXIBLE HOSE

**Certified to AGA 216, is regarded as suitable for use as the final connector to indoor and outdoor gas appliances (in lieu of copper tube)**

## 30 & 40 Series Yellow Epoxy Coated Stainless Steel Stationary Gas Connectors - High Flow



**SAFETY SHIELD®**



### Coated Stainless Steel Gas Connectors

Safety Shield® coating provides easy gas line identification and extra protection from chemical corrosion from accidental contact with household chemicals. Consistent coverage provides protection along the entire length of the connector.

**Stationary Gas Connectors are flexible stainless steel with antimicrobial PVC yellow coating, designed for all types of stationary commercial gas cooking equipment – 30 and 40 series**

- High gas flow rates with minimal pressure drops
- Approved for indoor or outdoor use – The connector is a “limited flexibility connector”.
- Certified to AS/NZS 1869 & AG216 – suitable for indoor or outdoor gas appliances (in lieu of copper tubing).
- Has a heavy duty anti – mould PVC coating that meets the Health Authority Standards.
- Accessories include Quick Disconnects, Restraining cable kits, Swivels full 360 degrees “C” .
- Durable, flexible and easy to install, even in tight places.

<b>Natural gas - 30 Series Stationary Gas Connectors – Yellow Coated</b> - Flow Rates with a 0.124Kpa pressure drop			
Nominal Internal Diameter - ½"	Description - ½" male x ½" female Available Lengths and mj/hr	P/N: DFKY3615 36" = 132mj/hr NG	P/N: DFKY4815 48" = 112mj/hr NG
<b>LPG gas - 30 Series Stationary Gas Connectors – Yellow Coated</b> - Flow Rates with a 0.124Kpa pressure drop			
Nominal Internal Diameter - ½"	Description - ½" male x ½" female Available Lengths and mj/hr	P/N: DFKY3615 36" = 211mj/hr LPG	P/N: DFKY4815 48" = 178mj/hr LPG
<b>Natural gas - 40 Series Stationary Gas Connectors – Yellow Coated</b> - Flow Rates with a 0.124Kpa pressure drop			
Nominal Internal Diameter - ¾"	Description – ¾" male x ¾" female Available Lengths and mj/hr	P/N: DFKY3620 36" = 280mj/hr NG	P/N: DFKY4820 48" = 220mj/hr NG
<b>LPG gas - 40 Series Stationary Gas Connectors – Yellow Coated</b> - Flow Rates with a 0.124Kpa pressure drop			
Nominal Internal Diameter - ¾"	Description – ¾" male x ¾" female Available Lengths and mj/hr	P/N: DFKY3620 36" = 420mj/hr LPG	P/N: DFKY4820 48" = 350mj/hr LPG

**Note: We do have 25mm Dormont gas connectors as well**

Note: Pricing does not include delivery

**Important:**

Gas flow (mj/hr) and gas line pressure (Kpa) must be considered together to understand if a gas appliance will have enough gas pressure at its inlet to meet its mj/hr rating. To assist customers, we have formulated the above charts to promote the correct selection of a gas connector for the project, with minimal fuss.

The Series number of the gas connector is shown, internal diameter, and the flow rates for both Natural gas and LPG gas



# FLEXIBLE HOSE

## The Unique Dormont **SwivelMax** Movement Capabilities

The Dormont SwivelMax 360 degrees “C” multi-plane rotation fitting is a patented, innovative device that increases the functionality and service life of the gas hose system, by increasing its range of motion.

The SwivelMax enables easier movement of the castor-mounted appliances at angles, back and forth, and from side to side, while relieving stress at the ends of the hose. This AGA approved unit ( 7 Kpa rated ), not only helps increase the life of the gas connector, it provides more aisle space in a commercial kitchen by allowing the appliances to be positioned closer to the wall.



- Allows increased movement at either end of the gas connector.
- Provides full 360\* multi-plane range of motion, greatly reducing stress.
- Replaces rigid elbows.
- Results in safer connection with longer connector life.
- The SwivelMax can be added at anytime, to either end of the gas hose or both.

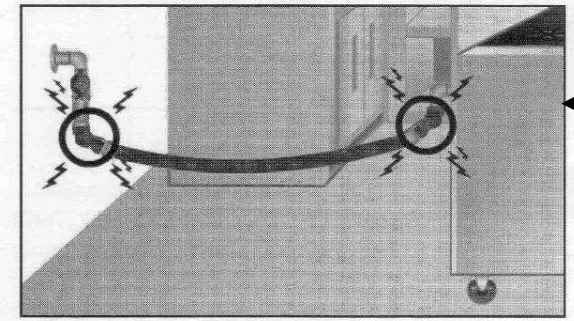


Figure 1, shows a typical commercial foodservice gas connector with a SwivelMax at each end.

Part Number: DFSW20 = ¾”

Part Number: DFSW25 = 1”

<b>P/No: DFSW15 = ½” – 7 Kpa rated</b>
<b>P/No: DFSW20 = ¾” – 7 Kpa rated</b>
<b>P/No: DFSW25 = 1” – 7 Kpa rated</b>

## FLEXIBLE HOSE

AGA. Approval Number = # 5306

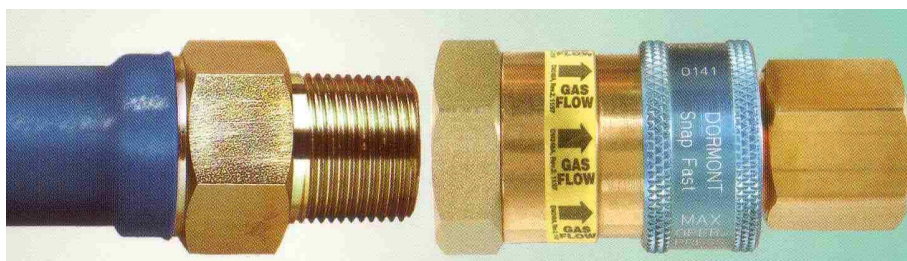
### The Unique Dormont **Snapfast Quick Disconnect Couplings**

Dormont makes connecting and disconnecting moveable/castor equipment easier and safer with the snap fast quick-disconnect coupling. Snap-fast is the only quick-disconnect coupling designed specially for the needs of the food service industry.

**To Connect:** Because of its push-to-connect design feature, the coupling's components are joined quickly and easily by simply pushing them together until they snap into place. There's no need to hold or slide the operating ring.

**To Disconnect:** Push or pull back the operating ring, and the coupling will separate immediately. Gas flow will shut off as soon as the components are separated.

**Thermal Shut-off Feature:** The thermal shut-off is a polymer ring located inside the nipple (male) end of the quick-disconnect coupling. In temperatures higher than 176 degrees "C", the ring melts and the gas supply shuts off as the valve is closed by the heavy-duty spring in the coupling.



[Quick-disconnects are 7 Kpa approved by AGA](#)

P/No: DFQDC15 = 1/2" – 7 Kpa rated

P/No: DFQDC20 = 3/4" – 7 Kpa rated

P/No: DFQDC25 = 1" – 7 Kpa rated



# FLEXIBLE PIGTAILS

## 10MM ID RUBBER PIGTAILS



PART NO	DESCRIPTION	CARTON LOTS
MB-40401-18	FLEXIBLE PIGTAIL POL X 1/4" INV FLARE 450MM LONG	20
MB-40401-24	FLEXIBLE PIGTAIL POL X 1/4" INV FLARE 600MM LONG	
MB-40401-36	FLEXIBLE PIGTAIL POL X 1/4" INV FLARE 900MM LONG	
MB-40401-40	FLEXIBLE PIGTAIL POL X 1/4" INV FLARE 1000MM LONG	



PART NO	DESCRIPTION	CARTON LOTS
MB-40405-20	FLEXIBLE PIGTAIL POL X 1/4" MBSPT 500MM LONG	20



PART NO	DESCRIPTION	CARTON LOTS
MB-40402-24	FLEXIBLE PIGTAIL POL HANDWHEEL X 1/4" INV FLARE 600MM LONG	20
MB-40402-36	FLEXIBLE PIGTAIL POL HANDWHEEL X 1/4" INV FLARE 900MM LONG	




PART NO	DESCRIPTION	CARTON LOTS
MB-40408-18	FLEXIBLE PIGTAIL TYPE 1 ACME X 1/4" INV FLARE 450MM LONG	20
MB-40408-36	FLEXIBLE PIGTAIL TYPE 1 ACME X 1/4" INV FLARE 900MM LONG	

## STAINLESS STEEL FLEXIBLE GAS CONNECTORS

VIEW	PART NO	DESCRIPTION
	<p><b>AQ-GF1164</b></p> <p><b>AQ-GF1166</b></p>	<p>8MM FLEXIBLE CONNECTOR 1/4" FEMALE CONE X 1/4" FEMALE CONE – 900 MM.</p> <p>8MM FLEXIBLE CONNECTOR 1/4" FEMALE CONE X 1/4" FEMALE CONE – 1200 MM.</p>
VIEW	PART NO	DESCRIPTION
	<p><b>AQ-GF1204</b></p> <p><b>AQ-GF1206</b></p>	<p>8MM FLEXIBLE CONNECTOR 1/4" FEMALE CONE X 3/8" MBSP – 900 MM.</p> <p>8MM FLEXIBLE CONNECTOR 1/4" FEMALE CONE X 3/8" MBSP – 1200 MM.</p>
VIEW	PART NO	DESCRIPTION
	<p><b>AQ-GF2073</b></p>	<p>10MM FLEXIBLE CONNECTOR 1/2" MBSP X 10 MM BAYONET – 1200 MM</p>
VIEW	PART NO	DESCRIPTION
	<p><b>AQ-GF5003</b></p>	<p>20MM FLEXIBLE CONNECTOR 3/4" FEMALE CONE X 3/4" MBSP – 1200MM.</p>

# HOSES

## HEATER HOSES




VIEW	PART NO	DESCRIPTION
	<b>AQ-PGH3248</b>	10 MM HOSE 1/2" FBSP X 1/2" BAYONET – 1500 MM
	<b>AQ-PGH3252</b>	10 MM HOSE 1/2" FBSP X 1/2" BAYONET – 1500 MM
	<b>AQ-PGH3228</b>	10 MM HOSE 1/2" FBSP X 1/2" BAYONET – 1500 MM
	<b>AQ-PGH3236</b>	10 MM HOSE 1/2" FBSP X 1/2" BAYONET – 1500 MM
	<b>AQ-PGH3074</b>	10 MM HOSE 1/2" FBSP X 1/2" BAYONET – 1500 MM
	<b>AQ-PGH3075</b>	10 MM HOSE 1/2" FBSP X 1/2" BAYONET – 1500 MM

## BBQ HOSES

VIEW	PART NO	DESCRIPTION
	<b>CE-HA600</b>	1/4" LPG HOSE - 1/4" FBSP SWIVEL NUT X 1/4" FBSP SWIVEL NUT 600 MM LONG.
	<b>CE-HA900</b>	1/4" LPG HOSE - 1/4" FBSP SWIVEL NUT X 1/4" FBSP SWIVEL NUT 900 MM LONG.
	<b>CE-HA1200</b>	1/4" LPG HOSE - 1/4" FBSP SWIVEL NUT X 1/4" FBSP SWIVEL NUT 1200 MM LONG.
	<b>CE-HA1800</b>	1/4" LPG HOSE - 1/4" FBSP SWIVEL NUT X 1/4" FBSP SWIVEL NUT 1800 MM LONG.
	<b>CE-HA2700</b>	1/4" LPG HOSE - 1/4" FBSP SWIVEL NUT X 1/4" FBSP SWIVEL NUT 2700 MM LONG.
VIEW	PART NO	DESCRIPTION
	<b>CE-HB600</b>	1/4" LPG HOSE - 3/8" FEMALE BSP FLARE NUT X 3/8" FPSB FLARE NUT 600 MM LONG.
	<b>CE-HB900</b>	1/4" LPG HOSE - 3/8" FEMALE BSP FLARE NUT X 3/8" FPSB FLARE NUT 900 MM LONG.
	<b>CE-HB1200</b>	1/4" LPG HOSE - 3/8" FEMALE BSP FLARE NUT X 3/8" FPSB FLARE NUT 1200 MM LONG.
	<b>CE-HB1800</b>	1/4" LPG HOSE - 3/8" FEMALE BSP FLARE NUT X 3/8" FPSB FLARE NUT 1800 MM LONG.

# HOSES


## BBQ HOSES

VIEW	PART NO.	DESCRIPTION.
	<b>CE-HC600</b>	1/4" LPG HOSE 3/8" FEMALE SAE FLARE NUT X 3/8" MBSP 600 MM LONG.
	<b>CE-HC900</b>	1/4" LPG HOSE 3/8" FEMALE SAE FLARE NUT X 3/8" MBSP 900 MM LONG.
	<b>CE-HC1200</b>	1/4" LPG HOSE 3/8" FEMALE SAE FLARE NUT X 3/8" MBSP 1200 MM LONG.
	<b>CE-HC1800</b>	1/4" LPG HOSE 3/8" FEMALE SAE FLARE NUT X 3/8" MBSP 1800 MM LONG.
	<b>CE-HC2700</b>	1/4" LPG HOSE 3/8" FEMALE SAE FLARE NUT X 3/8" MBSP 2700 MM LONG.
VIEW	PART NO.	DESCRIPTION.
	<b>CE-HD600</b>	1/4" LPG HOSE 3/8" FEM. SAE FLARE NUT X 3/8" FEMALE SAE FLARE NUT 600 MM LONG.
	<b>CE-HD900</b>	1/4" LPG HOSE 3/8" FEM. SAE FLARE NUT X 3/8" FEMALE SAE FLARE NUT 600 MM LONG.
	<b>CE-HD1200</b>	1/4" LPG HOSE 3/8" FEM. SAE FLARE NUT X 3/8" FEMALE SAE FLARE NUT 600 MM LONG.
	<b>CE-HD1800</b>	1/4" LPG HOSE 3/8" FEM. SAE FLARE NUT X 3/8" FEMALE SAE FLARE NUT 600 MM LONG.
	<b>CE-HD2700</b>	1/4" LPG HOSE 3/8" FEM. SAE FLARE NUT X 3/8" FEMALE SAE FLARE NUT 600 MM LONG.
VIEW	PART NO.	DESCRIPTION.
	<b>CE-HE600</b>	1/4" LPG HOSE 1/4" FEMALE BSP NUT – CONVEX SEAT X 3/8" MBSP 600 MM LONG.
	<b>CE-HE900</b>	1/4" LPG HOSE 1/4" FEMALE BSP NUT – CONVEX SEAT X 3/8" MBSP 900 MM LONG.
	<b>CE-HE1200</b>	1/4" LPG HOSE 1/4" FEMALE BSP NUT – CONVEX SEAT X 3/8" MBSP 1200 MM LONG.
	<b>CE-HE1800</b>	1/4" LPG HOSE 1/4" FEMALE BSP NUT – CONVEX SEAT X 3/8" MBSP 1800 MM LONG.
	<b>CE-HE2700</b>	1/4" LPG HOSE 1/4" FEMALE BSP NUT – CONVEX SEAT X 3/8" MBSP 2700 MM LONG.

## DECANTING GUNS









PART NUMBER	VIEW	DESCRIPTION
<b>MI-7659XH2</b>	 A photograph showing a brass decanting gun with a black hose, two brass adaptors (one with a handle), and a companion adaptor.	DECANTING GUN KIT COMPLETE WITH 1.4 MTR HOSE, COMPANION AND PRIMUS ADAPTORS
<b>MI-7659XFL</b>	 A photograph showing a brass decanting gun with a black hose, two brass adaptors, and a companion adaptor.	DECANTING GUN KIT COMPLETE WITH 1.4 MTR HOSE AND FORKLIFT ACME ADAPTORS.
<b>MI-7659XH2-4.5</b>	 A photograph showing a brass decanting gun with a black hose.	DECANTING GUN COMPLETE WITH 1.4 MTR HOSE NO KIT.
<b>MI-7659XH2-CGA</b>	 A photograph showing a brass decanting gun with a black hose, two brass adaptors, and a CGA 555 valve.	DECANTING GUN KIT COMPLETE WITH 1.4 MTR HOSE, COMPANION AND PRIMUS ADAPTORS – CGA 555 VALVE

## DECANTING GUNS


PART NUMBER	VIEW	DESCRIPTION
MI-7659XFL-CGA		DECANTING GUN KIT COMPLETE WITH 1.4 MTR HOSE AND FORKLIFT ACME ADAPTORS – CGA 555 VALVE.

PART NUMBER & DESCRIPTION	VIEW	PART NUMBER & DESCRIPTION	VIEW
MI-7659-25 REPAIR KIT- FILLER GUN		MI-7659-27 REPAIR KIT – FILLER GUN HANDLE	
MI-7659G DECANTING GUN		MI-7659-26 RELIEF VALVE ASSEMBLY FOR 7659G	
MI-6722001 PLUNGER ASSEMBLY TO SUIT 7659		MI-5250 1.5 1/4" LPG HOSE X 1.4 MTR COMPLETE WITH 1/4" MBSP AND 1/4" FEMALE SWIVEL ENDS.	







## DECANTING GUN ADAPTORS

PART NO. & DESCRIPTION	VIEW	PART NO. & DESCRIPTION	VIEW
MI-7659C COMPANION ADAPTOR TO SUIT MI-7659 DECANT GUNS.		CE-1428P 1 1/4" ACME ADAPTOR TO SUIT MI-7659 DECANT GUNS.	
MI-7659N PRIMUS ADAPTOR TO SUIT MI-7659 DECANT GUNS		MI-3199X POL X 1/4" MNPT ADAPTOR WITH EXCESS FLOW VALVE.	
SH-901H 1 3/4" ACME ADAPTOR TO SUIT MI-7659 DECANT GUNS.		MI-6722003 O-Ring to suit POL Adaptor 970R.	
MI-6722029 O-Ring to suit 7659C		MI-6722033 O-Ring to suit 7659N	

## UNIVERSAL THERMOCOUPLES

	<b>UNIVERSAL THERMOCOUPLE KIT.</b>	
PART NO.	DESCRIPTION	CARTON LOTS
<b>TE-UT600</b> <b>TE-UT900</b> <b>TE-UT1200</b> <b>TE-UT1500</b>	UNIVERSAL THERMOCOUPLE 600MM LONG UNIVERSAL THERMOCOUPLE 900MM LONG UNIVERSAL THERMOCOUPLE 1200MM LONG UNIVERSAL THERMOCOUPLE 1500MM LONG	50

## BAYONET SOCKETS






PART NO.	VIEW	DESCRIPTION	CARTON LOTS
CE-FS1		1/2" MI BAYONET CHROME FLOOR SOCKET	50
TH-2420-A		1/2" MI FL- ANGLE CHROME GAS WALL BAYONET SOCKET - TIMBER	50
TH-2420-B		1/2" MI FL- ANGLE CHROME GAS WALL BAYONET SOCKET - BRICK	
TH-2422-A		1/2" MI FL- STRAIGHT CHROME GAS WALL BAYONET SOCKET - TIMBER	50
TH-2422-B		1/2" MI FL- STRAIGHT CHROME GAS WALL BAYONET SOCKET - TIMBER	
TH-2427		GAS HOSE CONVERTOR BAYONET PLUG 1/8" BSP	50
TH-2415-3		1/2" MI BAYONET BRASS FLOOR SOCKET	50
TH-2415-4		1/2" MI BAYONET BROWN FLOOR SOCKET	
TH-2412		ANGLE SOCKETS	50







## MISCELLANEOUS

PART NO.	VIEW	DESCRIPTION	CARTON LOTS
TE-CC03600		PIEZO IGNITOR	50
SC-Z0210		1/2 " NATURAL GAS GOVERNOR 5 KPa. (Also available in 3/4" )	50
CE-BGT		AGA APPROVED LPG GAS TAPE – 12MM X 10M	50
BR-1410069		NEEDLE VALVE 1/4" MNPT x 1/4" MNPT BRASS	50
CE-Q4-3010-08		LOW PRESSURE TEST POINT-3/8" MBSP X 1/2" MSAE C/W 1/2" FLARE NUT.	50
SH-10ARF Sherwood Tank Shut off Valve c/w # 54 Orif.		CE-3010 1/8" pressure test nipple	




## CYLINDER VALVES

PART NO.	VIEW	DESCRIPTION	CARTON LOTS
<b>MI-V5-4.0</b>		MIYAIRI 9 KG VAPOUR WITHDRAWAL CYLINDER VALVE 4" VILLAGE TUBE	50
<b>MI-V50EX-3.5</b>		MIYAIRI 4 1/2 COMPANION CYLINDER VALVE, 3/8" BSP- LH OUTLET. 3.5" VILLAGE TUBE	100
<b>MI-V87SP</b>		MIYAIRI 45 KG VAPOUR WITHDRAWAL CYLINDER VALVE.	50
<b>MI-V5-F</b>		MIYAIRI 9 KG POL CYLINDER VALVE WITH VILLAGE AND FLOAT GAUGE.	2
<b>MI-V5-F4.5</b>		MIYAIRI 4 1/2 KG POL CYLINDER VALVE WITH BLEED SCREW AND FLOAT GAUGE.	
<b>MI-V6-4.0</b>		MIYAIRI 9 KG VAPOUR WITHDRAWAL CYLINDER VALVE. PINNED BONNET ASSEMBLY 4" VILLAGE TUBE	50



## CYLINDER VALVES

PART NO.	VIEW	DESCRIPTION	CARTON LOTS
SH-2035AT11.2		SHERWOOD MULTI 190 KG VALVE.	10
SH-2030BC		SHERWOOD INSITU 45KG VALVE.	20
SH-3250ADL-7SF		SHERWOOD 190 KG LIQUID WITHDRAWAL VALVE.	25
SH-73250CFLG11		SHERWOOD 45 KG LIQUID WITHDRAWAL VALVE WITH ULLAGE AND BLEEDER.	25
SH-73250CFLG37		SHERWOOD 45 KG LIQUID WITHDRAWAL VALVE BLEED ONLY. NO ULLAGE.	

## CYLINDER VALVES & ACCESSORIES

PART NO.	VIEW	DESCRIPTION	CARTON LOTS
CE-2341XTK		SHERWOOD 210 KG LIQUID WITHDRAWAL VALVE – 3/4" FNPT OUTLET – WITH 3/4" L/W TUBE AND EXCESS FLOW VALVE.	10
CE-2341XTK-190		SHERWOOD 190 KG LIQUID WITHDRAWAL VALVE – FPOL OUTLET – WITH 3/4" L/W TUBE AND EXCESS FLOW VALVE.	
CE-2341XTK-210		SHERWOOD 210 KG LIQUID WITHDRAWAL VALVE – FPOL OUTLET – WITH 3/4" L/W TUBE AND EXCESS FLOW VALVE.	
CE-2341BXT-190		SHERWOOD 210 KG LIQUID WITHDRAWAL VALVE – CGA555 OUTLET – WITH 3/4" L/W TUBE AND EXCESS FLOW VALVE.	10
CE-2341BXT-210		SHERWOOD 210 KG LIQUID WITHDRAWAL VALVE – CGA555 OUTLET – WITH 3/4" L/W TUBE AND EXCESS FLOW VALVE.	
		<p><b>CE-LWD</b> – ALUMINIUM DISC MARKED LIQUID FOR MOUNTING UNDER LIQUID WITHDRAWAL VALVES.</p> <p><b>CE-VWD1</b> – ALUMINIUM 1" INT. DIA. DISC MARKED VAPOUR FOR MOUNTING UNDER VAPOUR WITHDRAWAL VALVES.</p> <p><b>CE-VWD11/4</b> – ALUMINIUM 1 1/4" INT. DIA. DISC MARKED VAPOUR FOR MOUNTING UNDER VAPOUR WITHDRAWAL VALVES.</p> <p><b>CE-VWD3/4</b> – ALUMINIUM 3/4" INT. DIA. DISC MARKED VAPOUR FOR MOUNTING UNDER VAPOUR WITHDRAWAL VALVES.</p>	

## CYLINDER VALVES AND ACCESSORIES.

PART NO.	VIEW	DESCRIPTION	CARTON LOTS
<b>SH-3250CLN11.6</b>		SHERWOOD 45KG LIQUID WITHDRAWAL VALVE WITH STANDARD (NO EXCESS FLOW VALVE) EDUCATION TUBE. CGA555 OUTLET	25
<b>MI-ME306X</b>		CGA555 X 1/4" NPT ADAPTOR WITH EFV.	100
<b>ST-ME306</b>		CGA555 X 1/4" NPT ADAPTOR.	

PART NO. & DESCRIPTION	VIEW	PART NO. & DESCRIPTION	VIEW
<b>SH-3250AEL-7</b> Sherwood Liquid withdrawal valve c/w standard education tube. CGA555 Outlet (210 Kg Cyl)		<b>SH-3250CLG10.2</b> Sherwood 45Kg Vapour withdrawal valve c/w ullage and Bleeder.	
<b>SH-PVE3250ALG7</b> Sherwood Vapor valve c/w 11.7" dip tube. (210 Kg Cyl)		<b>SH-445AT</b> Sherwood 1" NPT relief Valve 375 PSI. (210 Kg Cyl)	
<b>MC-CC8555</b> CGA555 OUTLET CAP AND CHAIN.		<b>CE-CC8555-40</b> Nylon O-Ring to suit CC8555	

## FORKLIFT CYLINDER VALVES.

PART NO.	VIEW	DESCRIPTION	CARTON LOTS
SH-1427C		SHERWOOD FORKLIFT CYLINDER SERVICE VALVE.	25
SH-10BD5.7		SHERWOOD LEVEL GAUGE COMPLETE WITH TUBE AND DIAL. 54 DRILL ORIFACE	200
SH-1855SD		SHERWOOD DOUBLE BACK CHECK FILLER VLAVE.	50
SH-1428M		SHERWOOD FORKLIFT CYLINDER MALE SAFETY CHECK CONNECTOR.	100
SH-1428F		SHERWOOD FORKLIFT CYLINDER FEMALE SAFETY CHECK CONNECTOR.	100

## FORKLIFT CYLINDER VALVES.

PART NO.	VIEW	DESCRIPTION	CARTON LOTS
SH-453AM		SHERWOOD 3/4" RELIEF VALVE 375 PSI.	200
MI-7545K		SCG 3/4" RELIEF VALVE 375 PSI.	200
SH-435-90		SHERWOOD PIPE AWAY ADAPTOR.	200
RO-6284-0024		ROCHESTER FORKLIFT CYLINDER CONTENTS GAUGE.	50
RO-7384-01028		ROCHESTER 3/4" SCREWED FORKLIFT CYLINDER CONTENTS GAUGE COMPLETE WITH DIAL.	50

## AUTOMOTIVE ACCESSORIES.

PART NO.	VIEW	DESCRIPTION	CARTON LOTS
SH-1447C		SHERWOOD AUTOMOTIVE CYLINDER SERVICE VALVE.	50
SH-3866		SHERWOOD T-CONNECTOR.	50
RE-8544K		REGO – 3/4" INTERNAL RELIEF VALVE 375 PSI.	50
FI-H173		FISHER – 3/4" EXTERNAL RELIEF VALVE 375 PSI.	50
MI-7545K		SCG – 3/4" INTERNAL RELIEF VALVE 375 PSI.	50
SH-453AM		SHERWOOD – 3/4" INTERNAL RELIEF VALVE 375 PSI.	50












# CYLINDER VALVES AND ACCESSORIES.

PART NO.	VIEW	DESCRIPTION	CARTON LOTS
<b>MI-S3941</b>		PRIMUS REPAIR KIT	50
<b>MI-S3940</b>		PRIMUS EXTERNAL VALVE.	100
<b>ST-7170582</b>		LOXEAL 58-11 HIGH PRESSURE THREAD SEALANT – 250 ML	20
<b>ST-7170583</b>		LOXEAL 58-11 HIGH PRESSURE THREAD SEALANT – 100 ML	
<b>CE-GS-766</b> SPANNER TO SUIT SH-2035A11.2 190 KG MULTIVALVE.		<b>CE-GS-913</b> SPANNER TO SUIT 45KG CYLINDER VALVES.	
<b>CE-GS-914</b> SPANNER TO SUIT MI-V5-4.0 9KG CYLINDER VALVE.		<b>CE-GS-915</b> SPANNER TO SUIT MI-V50EX-3.5 COMPANION CYLINDER VALVES.	
<b>CE-GS1117</b> HEAVY DUTY SPANNER TO SUIT V5-4.0 CYL VALVES		<b>CE-GS1120</b> HEAVY DUTY SPANNER TO SUIT V87SP CYL VALVES	








## PLUGS AND CAPS.

PART NO & DESCRIPTION	VIEW	PART NO & DESCRIPTION	VIEW
<b><u>CE-POLPLUGB -</u></b>  PLASTIC POL PLUG WITHOUT TIE.		<b><u>CE-S3942 -</u></b>  PRIMUS PLASTIC PLUGS.	
<b><u>CE-SC0286 -</u></b>  RELIEF VALVE CAPS TO SUIT 2030BC INSITU VALVES.		<b><u>CE-REVAPOL -</u></b>  BLACK PLASTIC PLUG TO SUIT POL.	
<b><u>CE-CP0011 -</u></b> PUSH IN POL CYLINDER VALVE PLUGS.		<b><u>CE-CP0013R -</u></b> RELIEF VALVE CAPS FOR MI-V87SP VALVES.	
<b><u>CE-B94 -</u></b>  POL PUSH IN YELLOW PLUG.		<b><u>CE-SC42X19MM -</u></b> BLACK RUBBER RAIN CAP TO SUIT RELIEF VALVE ON SH-2035AT11.2	
<b><u>MI-PRIMUSPLUG -</u></b>  BLACK HANDLE PRIMUS PLUG.		<b><u>CE-WTDPLUG -</u></b> LOCKING PLUG FOR CYLINDER VALVE POL OUTLET.	
<b><u>AO-3028 -</u></b>  COMPANION PLASTIC PLUGS.		<b><u>MI-D-PT-207 -</u></b> BLACK RUBBER PROTECTIVE CAP FOR SH-3250 SERIES AND PIGTAILS	


## GAUGE ACCESSORIES.

PART NO & DESCRIPTION.	VIEW	PART NO & DESCRIPTION	VIEW
<p><b><u>ST-2746TOP</u></b></p> <p>Squibb Taylor Junior Dial – JA334A to suit 90 Kg Contents Gauge.</p>		<p><b><u>ST-2721</u></b></p> <p>Squibb Taylor Junior Dial – to suit 210 Kg Contents Gauge.</p>	
<p><b><u>ST-2701</u></b></p> <p>Squibb Taylor Junior Dial – HA234M to suit 190 Kg Contents Gauge.</p>		<p><b><u>RO-5714S02591</u></b></p> <p>Rochester Snap on Forklift Cylinder Contents Gauge Dial.</p>	
<p><b><u>RO-5323S01789</u></b></p> <p>Rochester Junior Contents Gauge Dial.</p>		<p><b><u>RO-5323S02320</u></b></p> <p>Rochester Dial to suit 7384-1028 Screwed Contents Gauge</p>	
<p><b><u>RO-5323S01992</u></b></p> <p>Rochester Dial to suit 7384 Universal Contents gauge. Screw on.</p>		<p><b><u>RO-5323S02621</u></b></p> <p>Rochester Junior Dial to suit 210 Kg Cyl. (6281-545)</p>	
<p><b><u>RO-5909S02733</u></b></p> <p>Rochester Junior 5% - 95% Dial to suit Above ground Horizontal Cyl.</p>		<p><b><u>RO-5909S02772</u></b></p> <p>Rochester Junior 10% - 80% Dial to suit Above ground Vertical Tanks.</p>	







## REFRIGERANT VALVES.

PART NO.	VIEW	DESCRIPTION	CARTON LOTS
MI-CVD2		SCG DUAL PORT REFRIGERANT VALVE. VAPOUR AND LIQUID	25
MI-CVD1-3.4		SCG DUAL HANDLE, SINGLE OUTLET REFRIGERANT VALVE – 3.4 MPa VAPOUR AND LIQUID	25
MI-CVD1-4.2		SCG DUAL HANDLE, SINGLE OUTLET REFRIGERANT VALVE – 4.2 MPa VAPOUR AND LIQUID	
SH-RV16561A350		SHERWOOD REFRIGERANT VALVE FLARE OUTLET VAPOUR AND LIQUID	25
SH-RV16761A350		SHERWOOD REFRIGERANT VALVE ACME OUTLET VAPOUR AND LIQUID	
SH-RV6660L		REFRIGERANT VALVE LIQUID WITHDRAWAL.	25
SH-RV6660V		REFRIGERANT VALVE VAPOUR WITHDRAWAL.	
SH-YV445FR		SHERWOOD 1" NPT REFRIGERANT RELIEF VALVE – 260 PSI.	25
PART NO. & DESCRIPTION	VIEW	PART NO. & DESCRIPTION	VIEW
SH-959BX5-E-375 SHERWOOD 3/4" REDRIGERANT RELIEF VALVES 375 PSI		CE-RV01 ADAPTOR POL X 3/4" MBSP	

## QUICK CONNECT COUPLINGS AND VALVES.

PART NO.	VIEW	DESCRIPTION	CARTON LOTS
MI-V5-QA		MIYAIRI 9KG CYLINDER VALVE COMPLETE WITH QCC FITTING.	50
MI-QAM		POL X QCC ADAPTOR.	50
MI-QAF		MARSHALL 1/4" MNPT X 1 5/16" FACME GRILL CONNECTOR.	50
	<p>The "Retro Q" cylinder valve adaptor was designed to convert a MI-V5-4.0 cylinder valve so that it can be used with a type 1 Appliance side swivel nut fitting. The Male POL end of the adaptor is permanently installed in the 9 Kg valve by using a "Break-Away", plastic drive nut. Once installed, the other end of the adaptor affords the same 1-5/16" ACME Threads found on the type 1 cylinder valves. The "Retro Q" also features the same positive connection features as the type 1 valve and retains the female POL threads for filling.</p>		50

## ACCESSORIES.

PART NO & DESCRIPTION.	VIEW	PART NO & DESCRIPTION	VIEW
<p><b><u>SH-1901</u></b> Handwheel for 3250 Series Cylinder Valves.</p>		<p><b><u>SH-1901S</u></b> Handwheel for 1447 Service Valves.</p>	
<p><b><u>SH-3329-13LH</u></b> Sherwood Stem &amp; Bonnet Assy. To suit 2030 and 1427C Valves.</p>		<p><b><u>SH-3250-8LH</u></b> Sherwood Stem &amp; Bonnet Assy. To suit 2030 and 1427C Valves.</p>	
<p><b><u>SH-1931-24</u></b> Sherwood Liquid Level Stem Assy. (Flush).</p>		<p><b><u>SH-1931-24B</u></b> Sherwood Liquid Level Stem Assy. (Thumb).</p>	
<p><b><u>SH-G114B</u></b> Sherwood O-Ring</p>		<p><b><u>SH-1425BA-8</u></b> Sherwood Gasket for 1428M Connector.</p>	
<p><b><u>ST-0015-00007</u></b> Gasket Contents Gauge – Junior.</p>		<p><b><u>ST-0040-00414</u></b> Screw Contents Gauge Junior.</p>	
<p><b><u>SH-G216B</u></b> Sherwood O-Ring for 1855SD Filler Valve.</p>		<p><b><u>KB-M288</u></b> FPOL X 1" MNPT Adaptor.</p>	

## ACCESSORIES.

PART NO.	VIEW	DESCRIPTION	CARTON LOTS
MI-970U		ADAPTOR MPOL X 1/4" MNPT.	200
MI-3199X		ADAPTOR MPOL X 1/4" MNPT WITH EXCESS FLOW.	
MI-970Y		ADAPTOR MPOL X 1/4" MNPT 4.6" LONG.	
MI-1350E		POL TEE BLOCK MANIFOLD.	200
MI-1350EY		EXTENDED POL TEE BLOCK MANIFOLD.	
MI-1450E		TEE PIECE 1/4" INV. FLARE X 1/4" MNPT.	200
MI-3705		POL PLUG HEX BRASS	200
MI-3705S3.6		POL PLUG HEX BRASS WITH CHAIN.	
PART NO. & DESCRIPTION	VIEW	PART NO. & DESCRIPTION	VIEW
MI-1350 FEMALE POL FERULE		SH-902A SHERWOOD UNLOADING ADAPTOR	
FI-J600 TEST BLOCK C/W PRESSURE GAUGE		FI-M390 FISHER FILLING CONNECTOR SOFT NOSE POLHANDWHEEL x 1/4" MNPT 6" LONG.	

## ACCESSORIES.

PART NO.	VIEW	DESCRIPTION	CARTON LOTS
MI-970R		SOFT NOSE MALE POL ADAPTOR.	200
MI-M284		FPOL X 1/4NPT ADAPTOR	200
MI-M286		FPOL X 1/2NPT ADAPTOR	
MI-M287		FPOL X 3/4NPT ADAPTOR	
MI-M2150MC		MANUAL CHANGE OVER VALVE.	200
MI-8888		1 3/4CME BRASS CAP.	200
MI-8888.25		BRASS COUPLING 3/4CME X 1/4NPT.	
MI-X481FHD-4-4		MALE UNION ADAPTOR. 1/4" MNPT X 1/4" FEMALE INV. FLARE.	200
MI-D-PT-207		BLACK RUBBER PROTECTIVE CAP FOR SH-3250 AND POL PIGTAILS.	200



## ACCESSORIES.

PART NO.	VIEW	DESCRIPTION
SH-1850-3		SHERWOOD PLASTIC 1 3/4" ACME CAP.
SH-1850-10		SHERWOOD PLASTIC 1 3/4" ACME CAP WITH STRAP.
RB-100-50	 <p style="color: blue; font-size: small;">CEM PRESSURE GAUGES-1/4" MNPT BOTTOM ENTRY 50MM DIAL. ***ALSO AVAILABLE WITH LARGER DIALS.</p>	PRESSURE GAUGE 0 – 100 Kpa
RB-250-50		PRESSURE GAUGE 0 – 250 Kpa
RB-400-50		PRESSURE GAUGE 0 – 400 Kpa
RB-800-50		PRESSURE GAUGE 0 – 800 Kpa
RB-2500-50		PRESSURE GAUGE 0 – 2500 Kpa
RB-100-63LF		PRESSURE GAUGE 0 – 100 Kpa LIQUID FILLED
RB-250-63LF		PRESSURE GAUGE 0 – 250 Kpa LIQUID FILLED
RB-2500-63LF		PRESSURE GAUGE 0 – 2500 Kpa LIQUID FILLED
RB-2500-63A		PRESSURE GAUGE 0 – 2500 Kpa AMMONIA SERVICE
FI-50-2		FISHER TEST GAUGE 1/4" NPT BOTTOM ENTRY. 0 – 35" WC.
FI-50P-2		FISHER TEST GAUGE WITH CASE
FI-50P-5		FISHER TEST GAUGE WITH HOSE ONLY.
CE-ST01		CEM LOCK TO SUIT A1598P DRAIN VALVES ON BULK TANKS.











## ACCESSORIES.

PART NO.	VIEW	DESCRIPTION	CARTON LOTS
MI-AC03		ADAPTOR 3/8" FLH (COMPANION) X 1/4" MBSP	200
MI-AC24		ADAPTOR MPOL X 3/8" MLH (COMPANION) ELBOW	200
MI-AC19A		ADAPTOR MPOL X 3/8" LHM (COMPANION)	200
MI-AC10		ADAPTOR 3/8" LHF (COMPANION) X FPOL	200
KB-0416		3/4" BRASS ELBOW M.I. X FLARE	25

## ACCESSORIES.

PART NO.	VIEW	DESCRIPTION	CARTON LOTS
MI-AC09		3/8" LHF (COMPANION) X PRIMUS ADAPTOR.	200
ZE-TOP015		BALL VALVE 1/2" BSP F & F	50
ZE-TOP020		BALL VALVE 3/4" BSP F & F	
ZE-TOPMFL008		BALL VALVE 1/4" NPT M & F	50
ZE-TOPMFL015		BALL VALVE 1/2" NPT M & F	
ZE-TOPMFL020		BALL VALVE 3/4" NPT M & F	
ZE-PRECUBSP015		BALL VALVE 1/2" BSP DOUBLE FLARED.	50
ZE-PRECUSAE516		BALL VALVE 5/16" SAE DOUBLE FLARED.	
ZE-PRECUBSP010		BALL VALVE 3/8" BSP DOUBLE FLARED.	
SH-440B		Q/A TOGGLE VALVE 1/2" FNPT X 1/4 " FNPT	50
SH-440C		Q/A TOGGLE VALVE 1/2" FNPT X 1/2 " FNPT	

## ACCESSORIES.

PART NO. & DESCRIPTION	VIEW	PART NO. & DESCRIPTION	VIEW
<p><b>SC-G0992</b></p> <p>Petes Plug.</p>		<p><b>ZE-1344015</b></p> <p>Flared Ball Valve 3/4" X 1/2" for Water application.</p>	
<p><b>ZE-1070015</b></p> <p>Flared Ball Valve 1/2" X 1/2" for Water application.</p>		<p><b>ZE-1131006</b></p> <p>6mm F/F T Handle Ball Valve.</p>	
<p><b>ZE-1330020</b></p> <p>3/4" FL X Nut &amp; tail Gas Valve.</p>		<p><b>ZE-1332020</b></p> <p>Heater Kit no.1 - 3/4" H2O + 3/4" Gas FL X N/T.</p>	
<p><b>ZE-1335020</b></p> <p>Heater Kit no.4 - 1/2" FL X 3/4" N/T H2O + 3/4" Gas.</p>		<p><b>ZE-1401015</b></p> <p>15mm Mini F &amp; F Ball valve.</p>	
<p><b>KB-1/4TEMA</b></p> <p>1/4" TEMA Quick Connect Coupling complete with Cap and Plug.</p>		<p><b>TEMA</b> Caps and plugs to suit Quick connect couplings. (Price on application)</p>	

## BRASS FITTINGS.

PART NO.	VIEW	DESCRIPTION	CARTON LOTS
PH-A8-0504		5/16" FLARE X 1/4" MNPT ELBOW	50
PH-A8-0604		3/8" FLARE X 1/4" MNPT ELBOW	
PH-A25-04		1/4" MNPT X 1/4" FNPT ELBOW	
PH-A6-06		3/8" SAE STANDARD FLARE NUT.	50
PH-A6-05		5/16" SAE STANDARD FLARE NUT.	
PH-A7-0606		3/8" FL X 3/8" MBSP UNION.	50
PH-A7-0806		1/2" FL X 3/8" MBSP UNION.	
PH-A16-0608		3/8" FL X 1/4" FBSP UNION.	50
PH-A16-0808		1/2" FL X 1/2" FBSP UNION.	
PH-A17-08		1/2" DOUBLE FLARE UNION.	50
PH-A17-0806		1/2" X 3/8" DOUBLE FLARE UNION.	
PH-A19-05		UNION TEE 5/16" MSAE	50
PH-A19-06		UNION TEE 3/8" MSAE	

## CYLINDER EQUIPMENT.



### AS-LGINV LITTLE GIANT CYLINDER INVERTER.

The "Little Giant" Stationary cylinder inverter can handle virtually all sizes of vertical cylinders. Simply adjust the cross arms and it's ready for the next size cylinder. With its patented 8 position index lock, the cylinder can be positioned for every maintenance task. Revalving, bottom maintenance and evacuation.



### AS-CV WALL HUGGER, CYLINDER VISE.

Suitable for cylinders from small companion type cylinders to 90 kg cylinders.

The unique design of this powerful cylinder vise allows you to replace cylinder valves quickly and easily, yet does not require a lot of valuable dock space.

#### Standard features

- High density, NON MARRING CUSHION PADS to hold and protect your assets.
- 5000 lb test NYLON STRAP and RATCHET assembly.
- 80 lb capacity ADJUSTABLE small cylinder platform.
- Handy PARTS TRAY



### CE-210BOL FULLY GALVANIZED 210 KG CYLINDER BOLLARD.

## CYLINDER EQUIPMENT.

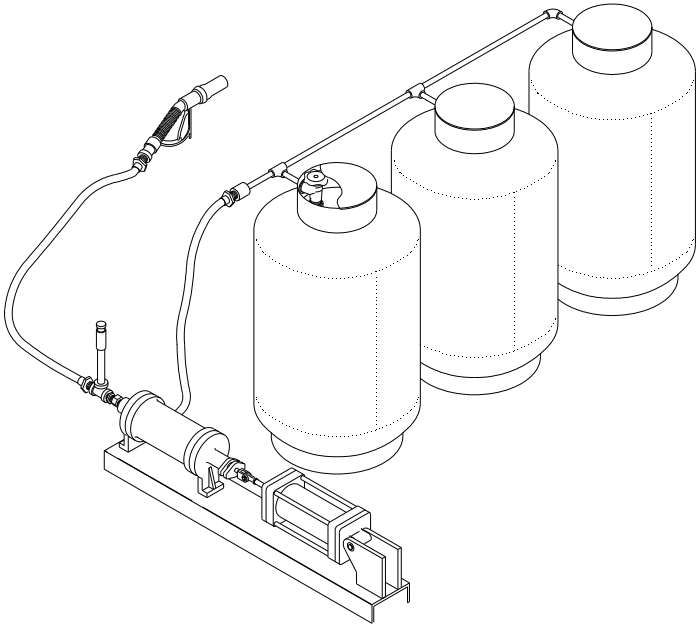
IMAGE	DESCRIPTION
	<p style="text-align: center;"><b>MI-LPF-120</b></p> <p style="text-align: center;">MIYAIRI QUICK CONNECT FILLER NOZZLE TO SUIT 45 KG CYLINDERS.</p>
	<p style="text-align: center;"><b>MI-LPF-140</b></p> <p style="text-align: center;">MIYAIRI QUICK CONNECT FILLER NOZZLE TO SUIT FORKLIFT BOTTLES</p>
	<p style="text-align: center;"><b>LG-LGIEL</b></p> <p style="text-align: center;">DISPENSING NOZZEL 1/2" INLET</p>

## CYLINDER EQUIPMENT.

IMAGE	PART NUMBER & DESCRIPTION
	<p><b><u>ST-K640</u></b></p> <p>MODEL G KRUG HAND PUMP</p>
	<p><b><u>CE-210L</u></b></p> <p>CEM 210KG GALVANIZED CYLINDER. FULLY VALVED.</p>



# KRUG PUMPS.

IMAGE	DESCRIPTION
	<p><b><u>CE-KRUGA</u></b></p> <p>CEM KRUG Pump Air Actuated Assembly suitable for Bulk Tank Installation.</p> <p><b><u>CE-KRUGB</u></b></p> <p>CEM KRUG Pump Air Actuated Assembly suitable for Cylinder Installation.</p> <p><b><u>Pumps sold complete with Suction and delivery hose, break-away coupling, LG1EL gun and air filter.</u></b></p>
	<p><b>CEM PNEUMATICALLY POWERED PISTON PUMP</b></p> <p><b>Installation</b></p> <p>Installation to be in accordance with AS1596 LP Gas Storage and Handling Code.</p> <p><b>Air Requirements</b></p> <ul style="list-style-type: none"> <li>A) Clean Dry Air – NOT LUBRICATED (an air filter is included in the standard kit)</li> <li>B) 700 to 800 kPa supply pressure</li> <li>C) 5 Litres per second Free Air Delivery.</li> </ul>




# CEM ELECTRIC PUMPING OUTFITS.

IMAGE	DESCRIPTION
	<p>THE CEM REGENERATIVE PUMPING OUTFITS ARE SPECIALLY DESIGNED FOR LPG TRANSFER, DISPENSING AND REFUELLING IN A VARIETY OF INSTALLATIONS.</p> <p><b><u>PERFORMANCE</u></b></p> <p><b>POWER 1.5 Kw</b>  <b>SPEED 2850 RPM</b>  <b>Exe or Exd FLAME PROOF RATED</b></p> <p><b>RC20 PUMP – 29 L/MIN @ 700 kPa (7 Bar)</b></p>
<p>THE CEM ELECTRIC PUMPING SYSTEM IS MODULAR IN DESIGN IN ORDER THAT MULTIPLE CYLINDER INSTALLATION MAY BE ACCOMODATED BY SIMPLY BOLTING ADDITIONAL SINGLE SYSTEMS TOGETHER. MANIFOLDS TO ENABLE THIS TO BE ACCOMPLISHED ARE READILY AVAILABLE.</p>	
<p><b><u>BENEFITS OF SYSTEM</u></b></p>	
<ul style="list-style-type: none"> <li>A. COMPACT AND MODULAR IN DESIGN.</li> <li>B UTILISES EBSRAY RC20 PUMP.</li> <li>C. NO PRIMING NECESSARY.</li> <li>D. SUPPLIED WITH AFL FOR PUMP BYPASS.</li> <li>E. AVAILABLE WITH SINGLE OR THREE PHASE POWER</li> <li>F. FULLY TRANSPORTABLE</li> <li>G. AIR ACTUATED BALL VALVE ON LIQUID OUTLET.</li> <li>H. ACCOMODATES 190 KG OR 210 KG CYLINDERS.</li> <li>I. HOSE MAST AVAILABLE AS OPTIONAL EXTRA.</li> <li>J. MEETS AS1596 REQUIREMENTS.</li> </ul>	
<p><b><u>INSTALLATION</u></b></p> <p><b><i>Installation to be in accordance with AS1596 LP Gas Storage and Handling Code.</i></b></p>	



**MULTIPLE CYLINDER INSTALLATION**

## OPSO REGULATORS & FILTERS.

IMAGE	SPECIFICATION																																	
 <p style="color: blue; font-weight: bold; margin-top: 5px;">Maximum Inlet pressure 860 kPa</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">MODEL</th> <th style="width: 20%;">FLOW RATE MJ/HR Natural Gas</th> <th style="width: 20%;">FLOW RATE MJ/HR LPG Gas</th> <th style="width: 20%;">Minimum Inlet Pressure</th> <th style="width: 25%;">Connection (mm) IN/Out</th> </tr> </thead> <tbody> <tr> <td>MS10</td> <td style="text-align: center;">390</td> <td style="text-align: center;">618</td> <td style="text-align: center;">50 kPa</td> <td style="text-align: center;">15/20</td> </tr> <tr> <td>FE25</td> <td style="text-align: center;">975</td> <td style="text-align: center;">1544</td> <td style="text-align: center;">20 kPa</td> <td style="text-align: center;">15/20</td> </tr> <tr> <td>FES</td> <td style="text-align: center;">1950</td> <td style="text-align: center;">3088</td> <td style="text-align: center;">50 kPa</td> <td style="text-align: center;">15/20</td> </tr> <tr> <td>FEX1</td> <td style="text-align: center;">2925</td> <td style="text-align: center;">4632</td> <td style="text-align: center;">50 kPa</td> <td style="text-align: center;">25/40</td> </tr> <tr> <td>FEXS</td> <td style="text-align: center;">3900</td> <td style="text-align: center;">6177</td> <td style="text-align: center;">40 kPa</td> <td style="text-align: center;">25/40</td> </tr> </tbody> </table>	MODEL	FLOW RATE MJ/HR Natural Gas	FLOW RATE MJ/HR LPG Gas	Minimum Inlet Pressure	Connection (mm) IN/Out	MS10	390	618	50 kPa	15/20	FE25	975	1544	20 kPa	15/20	FES	1950	3088	50 kPa	15/20	FEX1	2925	4632	50 kPa	25/40	FEXS	3900	6177	40 kPa	25/40			
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FEXS	3900	6177	40 kPa	25/40																														
	<p style="color: blue; font-weight: bold; margin-top: 10px;">MS SERIES FIORENTINI REGULATORS</p> <p>AVAILABLE IN VARIOUS SIZES FROM ¾" FBSP TO 2" FBSP. Please contact CEM International Representative for Technical specification and pricing.</p>																																	
	<p style="color: blue; font-weight: bold; margin-top: 10px;">GAS FILTERS</p> <p>AVAILABLE IN VARIOUS SIZES FROM 1/2" FBSP TO 4" FBSP. Please contact CEM International Representative for Technical specification and pricing.</p>																																	
FOR ADDITIONAL INFORMATION OR PRICING ON OTHER BRANDS INCLUDING FIORENTINI, GIULIANI ANELLO, JEAVONS & EMAIL, PLEASE CONTACT YOUR CEM INTERNATIONAL REPRESENTATIVE.																																		

# OPSO REGULATORS & GAS METERS.



**AL425 DIAPHRAGM GAS METER.**

*Please contact CEM International Representative for Technical specification and pricing.*



**D147A OPSO UNIT**

*Please contact CEM International Representative for Technical specification and pricing.*



**1883 OPSO REGULATOR 1 1/2" TO 2" INLET AND OUTLET.**

*Please contact CEM International Representative for Technical specification and pricing.*



**1883B2 OPSO REGULATOR 3/4" TO 1 1/4" INLET AND OUTLET.**



**750 SERIES DOMESTIC GAS METER.**

*Please contact CEM International Representative for Technical specification and pricing.*



**300 SERIES DOMESTIC GAS REGULATOR WITH INTERNAL RELIEF.**

*Please contact CEM International Representative for Technical specification and pricing.*

# AUSCROWN.

## RAMBO COMMERCIAL CAST IRON GAS BURNERS.



MODEL	AU-JB10		AU-JB20		AU-JB23		AU-JB32		AU-Y018		AU-Y028		AU-DJB18		AU-CB24	
Product name	10 Jet Mongolian Burner		20 Jet Mongolian Burner		23 Jet Mongolian Burner		32 Jet Mongolian Burner		18 Jet Mongolian Burner		28 Jet Duckbill Burner		18 Jet Duckbill Chimney Burner		24 Jet Duckbill Chimney Burner	
No. of Nozzles	10		20		23		32		18		28		18		24	
Gas Fitting	3/8" BSP		1/2" BSP		1/2" BSP		3/4" BSP		1/2" BSP		3/4" BSP		1/2" BSP		1/2" BSP	
Dimensions.	Ø143X60		Ø204X60		Ø230X60		Ø260X65		Ø192X100		Ø270X105		Ø300X95		Ø300X185	
Packaging Units/Carton	12		8		6		6		6		3		3		3	
Heat capacity (Mj/Hr)	41		82		94		131		120		186		120		98	
Gas pressure Kpa	2.75	1	2.75	1	2.75	1	2.75	1	2.75	1	2.75	1	2.75	1	2.75	1
Gas Type	LPG	NG	LPG	NG	LPG	NG	LPG	NG	LPG	NG	LPG	NG	LPG	NG	LPG	NG
Nozzle size.	0.60	1.20	0.60	1.20	0.60	1.20	0.60	1.20	0.70	1.20	0.70	1.20	0.70	1.20	0.60	1.20

## AUSCROWN STAINLESS STEEL WOK BURNERS.



PART NO.	VIEW	DESCRIPTION	CARTON LOTS
AU-CK107LP		STAINLESS STEEL SINGLE BURNER WOK COOKER.	2
AU-CK203LP		STAINLESS STEEL DOUBLE BURNER WOK COOKER.	2

**CEM**

INTERNATIONAL *Servicing the needs of the LPG Industry*

# AUSCROWN.

## CAST IRON BURNERS.

PART NO.	VIEW	DESCRIPTION	CARTON LOTS
AU-RBC176LP		AUTO IGNITION 2 RING LOW PRESSURE BURNER.	2
AU-RBC225LP		AUTO IGNITION 2 RING LOW PRESSURE BURNER.	2
AU-RH31LT		SINGLE RING HIGH PRESSURE BURNER.	2
AU-HP100LPKIT		AUTO IGNITION HIGH PRESSURE BURNER KIT, INCLUDING REGULATOR AND HOSE.	2
AU-HP200LP		TWO RING HIGH PRESSURE BURNER.	2
AU-RB8		DUAL RING CAST IRON BURNER.	2
AU-RBA2		CAST IRON BBQ BURNER.	2

# AUSCROWN.

## RAMBO GAS BLOW TORCH.

PART NUMBER	VIEW	PART NUMBER	VIEW
<b>AU-RB14355</b> 14" Neck for LP Gas Blow torch.		<b>AU-RB80203</b> 8" Neck for LP Gas Blow Torch.	
<b>AU-RB40101</b> 4" Neck for LP Gas Blow Torch.		<b>AU-RB25063</b> 2 1/4" Neck for LP Gas Blow Torch.	
<b>AU-RBBTH</b> Handle for LP Gas Blow Torch.		<b>AU-RBFB01</b> No 1 Burner for Blow Torch.	
<b>AU-RBFB02</b> No 2 Burner for Blow Torch.		<b>AU-RBFB03</b> No 3 Burner for Blow Torch.	
<b>AU-RBFB04</b> No 4 Burner for Blow Torch.		<b>AU-RBFB05</b> No 5 Burner for Blow Torch.	

## GAS CONTROLS.

PART NUMBER	VIEW	PART NUMBER	VIEW
<p><b>400096C</b></p> <p>Keegas Flame failure 1/4" BSP X 1/4" T Nut &amp; Olive – Both Ends.</p>		<p><b>400054</b></p> <p>SIT F/F Valve. 1/4" X 1/4" BSP Female.</p>	
<p><b>400074</b></p> <p>SIT F/F Valve. 1/8" BSP Male X 1/8" BSP Female.</p>		<p><b>400096</b></p> <p>SIT F/F Valve. 1/4" X 1/4" BSP Compression.</p>	
<p><b>400097</b></p> <p>SIT F/F Valve. 3/8" X 3/8" BSP Compression.</p>		<p><b>420048</b></p> <p>SIT F/F Valve with Pilot Outlet – 1/4" T 1/4" X 1/4" BSP Female.</p>	
<p><b>RS-83388</b></p> <p>Electromagnet Suit Unitrol Thermopile Millivolt.</p>		<p><b>RS-83390</b></p> <p>Electromagnet Suit Unitrol Interrupter Slot.</p>	
<p><b>BERL3501</b></p> <p>Unitrol – 240 Volt</p>	 BERL3501	<p><b>BGORL6032</b></p> <p>Unitrol 7000 Gas Control</p>	 BGORL6032
<p><b>GS7005</b></p> <p>Gas Thermostat – Fryer 195° C</p>	 GS7005	<p><b>BJ0100-K</b></p> <p>Thermostat Kit – Oven 280° C</p>	 BJ0100-K



# GAS CONTROLS.

## MINISIT CONTROLS.



PART NO.	DESCRIPTION	TEMP RANGE.
710.133	MINISIT Gas Control – Space Heater	13 -38° C
710.646	MINISIT Gas Control – Oven	100 - 340° C
710.740	MINISIT Gas Control – Deep Fryer	120 - 200° C
710.819	MINISIT Gas Control – Bain Marie	40 - 110° C
73.203	MINISIT – Cover with Piezo	
820.302	MINISIT – Millivolt Gas Control	



PART NO.	DESCRIPTION	TEMP RANGE.
KGTH.WR2B61-994	WHITE RODGERS – Fryer Thermostat Gold Contacts	200° C
KGGC-WR36C03U-438	WHITE RODGERS – Type 438 - Thermopile Operated	
KGGC-WR36C03U-439	WHITE RODGERS – Type 439 – Thermocouple & Thermopile Operated	



PART NO.	DESCRIPTION	TEMP RANGE.
LCH0025	ROBERTSHAW- Fryer Over Temp – Manual Re-set	220° C
LCCM0017	ROBERTSHAW- Fryer Over Temp – Auto Re-set	220° C
KGTHQ-132.CG	OGO – Fryer Over Temp.	220° C

## GAS CONTROLS.

PART NUMBER	VIEW	PART NUMBER	VIEW
<p style="text-align: center;"><b><u>Electrodes</u></b></p> <p><b>915036</b>-Suit Benson Pilot.  <b>915024</b>-Suit Delta/Target Pilot.  <b>CN2006</b>-Suit bracket mount, 8mm Hole.</p>		<p><b>100011</b></p> <p>Pilot Bunsen, 3 Flame X 3 Hole Bracket. NG/LPG.</p>	
<p><b>2CH6062-N</b>  <b>2CH6185-L</b></p> <p><b>Pilot Single Flame. Natural Gas/LP Gas</b>  <b>Cookon, Goldstein.</b></p>		<p><b>5CHL7064-N</b></p> <p>Pilot Left hand, Natural Gas.  <b>Cookon, Curtin, Deep Fryers.</b></p>	
<p><b>5CHL768A-L</b></p> <p>Pilot Left Hand, LP Gas</p>		<p><b>5CHR7612-N</b>  <b>5CHR771-L(7698)</b></p> <p>Pilot Right hand Natural Gas/LP Gas  <b>Waldorf Ovens, Curtin, Oliver's Fryers.</b></p>	
<p><b>6CH241</b></p> <p>Pilot 3 Flame</p>		<p><b>140037</b></p> <p>Pilot Target  <b>COMM - Cater</b></p>	
<p><b>76370-L</b>  <b>76361-N</b></p> <p>Pilot Injector Spud.  <b>LPG/Natural Gas</b>  <b>Robertshaw</b></p>		<p><b>PH513</b></p> <p>Pilot Burner (RS-CG)  <b>Blodgett Oven.</b></p>	
<p><b>PS150091</b></p> <p>Pilot Target Injectors #P1106-LPG  <b>#P1136-NG</b></p>		<p><b>073703</b></p> <p>Piezo- Suit Minist  <b>Cover/Control</b></p>	

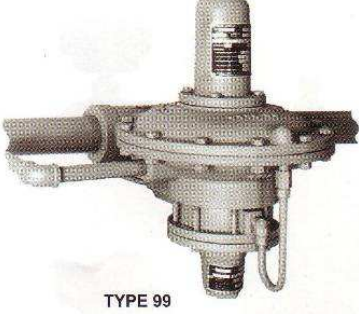
# COMMERCIAL/INDUSTRIAL HIGH PRESSURE REGULATORS



TYPE 630



TYPE 627



TYPE 99



TYPE 1301F

For Commercial and Industrial high-pressure applications, like factories, office building, restaurants, etc. Emerson has a wide variety of products and solutions. For ease of reference, only the most popular commercial and industrial regulators are shown on this page. Other orifice sizes, body sizes and outlet pressure ranges are available. The higher capacities on commercial and industrial installations usually require a Two-Stage regulator system.

**Note: Because of various spring ranges and orifice sizes, all commercial and industrial regulators should be individually sized for the particular installation. Consult specific product bulletins for maximum pressure ratings. Contact your local LP-Gas Equipment Distributor for assistance.**

**Types 627 and 630** – Large capacity direct-operated high pressure regulators designed for loads up to 10 700 000 and 14 000 000 BTU/hr (120 and 157 SCMH) respectively. The Types 627 and 630 are normally used in conjunction with Type S302G or S202G units, however, they can also be used on Final-Stage (pounds to pounds) service. A Type 1805 relief valve is recommended to prevent excessive buildup in the downstream line. The diaphragm case and body of the

Type 627 can be rotated in four positions to allow easy installation. Additional configurations of the Type 627 with internal relief and control line connections for monitor systems are available. For both the Types 630 and 627, additional pressure ranges and orifice sizes are available.

**Type 99** – Pilot-operated unit keeps outlet pressure constant despite varying flow rates and inlet pressures. Designed to handle loads up to 74 318 000 (837 SCMH), the Type 99 is ideal for multiple customer installations. The unique pilot design, with fast opening and closing operation, makes the Type 99 ideal for large industrial boiler applications. The Type 99 can be used for low or high pressure. A downstream control line is required.

**Type 1301F** – The proven reliability and accurate regulation of the Type 1301F regulator makes it ideal for numerous high-pressure drop applications. This multi-purpose regulator can be used as pilot supply or pressure-loading regulators where high-pressure operating medium must be reduced for use by gas regulator pilots or pressure-loaded regulators.

High Pressure Commercial/Industrial Regulators						
TYPE NUMBER	CAPACITIES IN BTU/hr (SCMH) PROPANE	ORIFICE SIZE, INCHES (mm)	INLET AND OUTLET CONNECTIONS	OUTLET PRESSURE RANGE, PSIG (bar)	OUTLET PRESSURE SETTING, PSIG (bar)	
627-5810	6 080 000 (68,44) <sup>(1)</sup>	3/8 (9,53)	3/4-inch FNPT	5 to 20 (0,34 to 1,38)	10 (0,69)	
627-6210	10 755 000 (121) <sup>(1)</sup>	1/2 (12,7)				
627-7710	10 773 000 (121) <sup>(1)</sup>					
630-104/78	14 000 000 (158) <sup>(1)</sup>	7/8 (22,2)	2-inch FNPT	8 to 20 (0,55 to 1,38)		
99-511P	33 206 000 (374) <sup>(1)</sup>		2-inch FNPT	1 to 5 (0,07 to 0,34)	5 (0,34)	
99-513P	36 368 000 (409) <sup>(1)</sup>			2 to 10 (0,14 to 0,69)	10 (0,69)	
99-512P	37 950 000 (427) <sup>(1)</sup>			5 to 15 (0,34 to 1,03)	15 (1,03)	
99-515P	41 112 000 (463) <sup>(1)</sup>			10 to 20 (0,69 to 1,38)	20 (1,38)	
99-903P	44 275 000 (498) <sup>(1)</sup>			10 to 65 (0,69 to 4,48)	30 (2,07)	
99-502PH	50 600 000 (570) <sup>(1)</sup>		1-1/8 (28,6)	2-inch FNPT	1 to 5 (0,07 to 0,34)	5 (0,34)
99-503PH	61 668 000 (694) <sup>(1)</sup>				2 to 10 (0,14 to 0,69)	10 (0,69)
99-504PH	63 250 000 (712) <sup>(1)</sup>				5 to 15 (0,34 to 1,03)	15 (1,03)
99-505PH	67 993 000 (765) <sup>(1)</sup>				10 to 20 (0,69 to 1,38)	20 (1,38)
99-901PH	74 318 000 (837) <sup>(1)</sup>	10 to 65 (0,69 to 4,48)			30 (2,07)	
1301F-1	3 862 564 (43,48) <sup>(2)</sup>	5/64 (1,98)			1/4-inch FNPT	10 to 75 (0,69 to 5,17)

1. Capacity based on inlet pressure 20 psig (1,38 bar) greater than outlet pressure and 20% droop.  
 2. Capacity based on 2000 psig (138 bar) inlet pressure and 10% droop.

# COMMERCIAL/INDUSTRIAL LOW PRESSURE REGULATORS



TYPE S302G



TYPE 133H  
OR 133L



TYPE 299H



TYPE S202G

Emerson has a wide range of low-pressure regulators to meet almost any commercial or industrial application. For ease of reference, only the most popular commercial and industrial regulators are shown on this page. Other orifice sizes, body sizes and outlet pressure ranges are available.

**Note: Because of various spring ranges and orifice sizes, all commercial and industrial regulators should be individually sized for the particular installation. Consult specific product bulletins for maximum pressures ratings. Contact your local LP-Gas Equipment Distributor for assistance.**

**Type S302G** – A medium capacity low pressure, direct-operated regulator designed for loads up to 5 500 000 BTU/hr (61,91 SCMh), ideal for installations at schools, bakeries, and many other commercial/industrial applications. Available in body sizes of 1-1/4, 1-1/2, and 2-inch (DN 32, 40, and 50) with spring ranges from 3.5 to 28-inches w.c. (9 to 70 mbar). The unit contains a limited capacity internal relief valve; for high capacity relief, a Type 289 or 289P relief valve is required in the downstream system.

**Type S202G** – A high capacity low pressure, direct-operated regulator, ideal for installations up to 21 600 000 BTU/hr (243 SCMh). Available in body sizes of 1-1/2 and 2-inch (DN 40 and 50) with spring ranges from 2-inches w.c. to 10 psig (5 mbar to 0,69 bar). Contains a limited capacity internal relief valve; for high capacity relief, a Type 289 or 289P relief valve is required in the downstream system.

**Type 299H** – A high capacity pilot operated regulator. Incorporates a lightweight design (21 pounds (9,53 kg)) with dependable operation. With a capacity up to 38 000 000 BTU/hr (428 SCMh), the Type 299H is ideal for applications from large commercial sites to smaller multi-dwelling establishments. The unit comes with a 1-1/2 or 2-inch (DN 40 or 50) cast iron body with internal or external registration. Internal registration allows easy installation while external registration provides higher accuracy. 2-inch (DN 50) flanged body, or steel body material also available. Alternate outlet settings from 3.5-inches w.c. to 60 psig (9 mbar to 4,14 bar) are available. **The Type 299H has maximum inlet pressure rating of 150 psig (10,3 bar) so it can not be used as a First-Stage regulator.**

**Type 99** – Pilot-operated unit keeps outlet pressure constant despite varying flow rates and inlet pressures. Designed to handle loads up to 49 000 000 (552 SCMh), the Type 99 is ideal for multiple customer installations. The unique pilot design, with fast opening and closing operation, makes the Type 99 ideal for large industrial boiler applications. The Type 99 can be used for low or high pressure. A downstream control line is required.

**133 Series** – Self-operated Second-Stage regulator ideal for large industrial applications with loads up to 113 000 000 BTU/hr (1272 SCMh). The unit can be used for either low pressure or pounds service. Maximum inlet pressure is 60 psig (4,14 bar), and a downstream control line is required.

Low Pressure Commercial/Industrial Regulators						
TYPE NUMBER	CAPACITIES IN BTU/hr (SCMH) PROPANE	ORIFICE SIZE, INCHES (mm)	INLET AND OUTLET CONNECTIONS, INCHES	OUTLET PRESSURE RANGE	OUTLET PRESSURE SETTING	MAXIMUM OPERATING INLET PRESSURE PSIG (bar)
S302G-FMC	5 200 000 (58,53) <sup>(1)</sup>	3/4 (19,1)	1-1/4 FNPT	6 to 14 (15 to 35) <sup>(6)</sup>	11 (27) <sup>(6)</sup>	15 (1,03)
S302G-KMC	5 500 000 (61,91) <sup>(1)</sup>		1-1/2 FNPT			
S302G-SMC			2 FNPT			
S202G-BNC	10 200 000 (115) <sup>(1)</sup>	1 (25,4)	1-1/2 FNPT	9 to 18 (22 to 45) <sup>(6)</sup>	11 (27) <sup>(6)</sup>	25 (1,72)
S202G-CNC	21 600 000 (243) <sup>(1)</sup>		2 FNPT			
299H-101	13 100 000 (148) <sup>(1)</sup>	3/4 (19,1)	1-1/2 FNPT	9 to 20 (22 to 50) <sup>(6)</sup>	10 (0,69) <sup>(7)</sup>	150 (10,3)
299H-102	19 700 000 (222) <sup>(1)</sup>		2 FNPT			
299H-103	23 300 000 (262) <sup>(1)</sup>		1-1/2 FNPT	6 to 16 (0,41 to 1,1) <sup>(7)</sup>		
299H-104	38 000 000 (428) <sup>(1)</sup>		2 FNPT			
299H-105	20 400 000 (230) <sup>(1)</sup>		1-1/2 FNPT	9 to 20 (22 to 50) <sup>(6)</sup>		
299H-106			2 FNPT			
299H-107	38 000 000 (428) <sup>(1)</sup>		1-1/2 FNPT	6 to 16 (0,41 to 1,1) <sup>(7)</sup>		
299H-108			2 FNPT			
99-510P	29 400 000 (331) <sup>(2)</sup>	7/8 (22,2)	2 FNPT	0,25 to 2 (0,017 to 0,14) <sup>(7)</sup>	1 (0,069) <sup>(7)</sup>	250 (17,3)
99-511P	33 200 000 (374) <sup>(2)</sup>			1 to 5 (0,069 to 0,34) <sup>(7)</sup>	5 (0,34) <sup>(7)</sup>	
99-513P	36 350 000 (409) <sup>(2)</sup>			2 to 10 (0,14 to 0,69) <sup>(7)</sup>	10 (0,69) <sup>(7)</sup>	
99-512P	37 950 000 (427) <sup>(2)</sup>			5 to 15 (0,34 to 1,03) <sup>(7)</sup>	15 (1,03) <sup>(7)</sup>	
99-501P	49 000 000 (552) <sup>(2)</sup>	1-1/8 (28,6)	2 FNPT	0,25 to 2 (0,017 to 0,14) <sup>(7)</sup>	1 (0,069) <sup>(7)</sup>	150 (10,3)
99-502P	50 600 000 (570) <sup>(2)</sup>			1 to 5 (0,069 to 0,34) <sup>(7)</sup>	5 (0,34) <sup>(7)</sup>	
99-503P	61 650 000 (694) <sup>(2)</sup>			2 to 10 (0,14 to 0,69) <sup>(7)</sup>	10 (0,69) <sup>(7)</sup>	
99-504P	63 250 000 (712) <sup>(2)</sup>			5 to 15 (0,34 to 1,03) <sup>(7)</sup>	15 (1,03) <sup>(7)</sup>	
133L-4	70 875 000 (798) <sup>(1)</sup>	2 (50,8)	2 FNPT	8,5 to 18 (21 to 45) <sup>(6)</sup>	14 (35) <sup>(6)</sup>	60 (4,14)
133H-1	113 400 000 (1276) <sup>(1)</sup>			1,5 to 3 (0,10 to 0,21) <sup>(7)</sup>	3 (0,21) <sup>(7)</sup>	

1. Capacities based on inlet pressure of 10 psig (0,69 bar), Internal Registration and 2-inches w.c. (5 mbar) droop.  
 2. Capacities based on inlet pressure of 20 psig (1,38 bar) higher than outlet pressure, Internal Registration and 20% droop.  
 3. Capacities based on inlet pressure of 10 psig (0,69 bar), External Registration and 2-inches w.c. (5 mbar) droop.  
 4. Capacities based on inlet pressure 20 psig (1,38 bar) higher than outlet pressure, External Registration and 2-inches w.c. (5 mbar) droop.  
 5. Capacities based on inlet pressure of 10 psig (0,69 bar) and 20% droop.  
 6. Outlet pressure range is measured in inches w.c. (mbar).  
 7. Outlet pressure range is measured in psig (bar).

# LP-GAS REGULATORS

The regulator truly is the heart of an LP-Gas installation. It must compensate for variations in tank pressure from 8 to 250 psig (0,55 to 17,2 bar) and deliver a constant outlet pressure of LP-Gas typically at 11-inches wc (27,4 mbar) to consuming appliances. The regulator must deliver this pressure despite the intermittent use of the appliances.

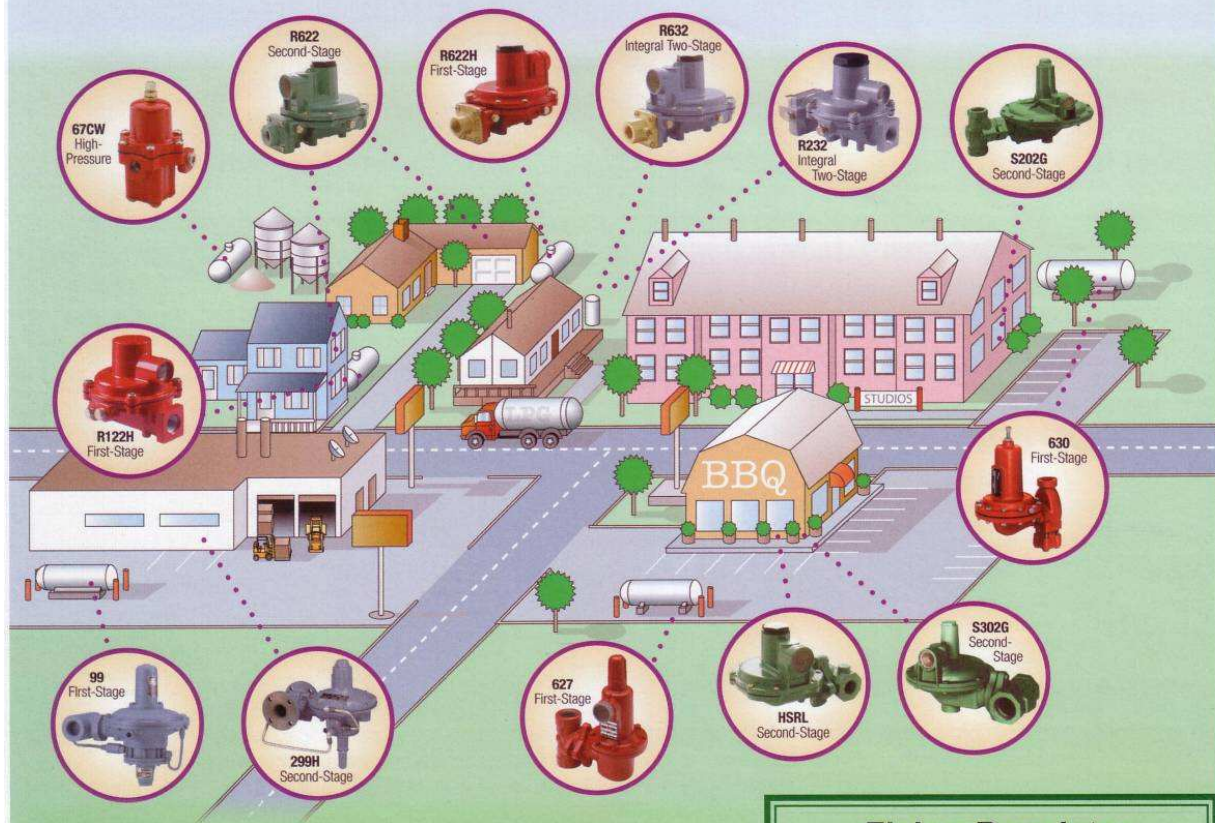
In propane service, NFPA 58 requires Two-Stage regulation on all fixed piping systems that serve 1/2 psig (34,5 mbar) appliance systems (normally operated at 11-inches wc (27,4 mbar) pressure). Two-Stage regulation produces a nearly constant pressure to the appliance and can result in a more efficient

LP-Gas operation for the dealer resulting in less maintenance and fewer installation call-backs.

With properly selected regulators, the large internal relief valve provides 2 psig (0,14 bar) overpressure protection as required by NFPA 58.

Fisher Controls is a leading international supplier of cost-effective products, services, and solutions used in the propane industry. Around the world, Fisher and its Distributors offer quality products as well as applications engineering, education programs, and after sales service. For any of the products described in this handbook, contact the Fisher Distributor near you.

## Application Map



### Features\*

- Corrosion-Resistant and Wear-Resistant Materials
- Stainless Steel Inlet Screen
- Large Drip-Lip Vent
- High Capacity Relief
- Easy Installation
- Improved Regulation
- Built-in Gauge Taps

\* Features Vary By Model

### Fisher Regulator Color Code

First-Stage . . . . .	Red
Second-Stage . . . . .	Palm Green
2-PSI Service . . . . .	White*
Integral Two-Stage . . . . .	Gray
Pounds to Pounds . . . . .	Red
Industrial . . . . .	Black or Gray

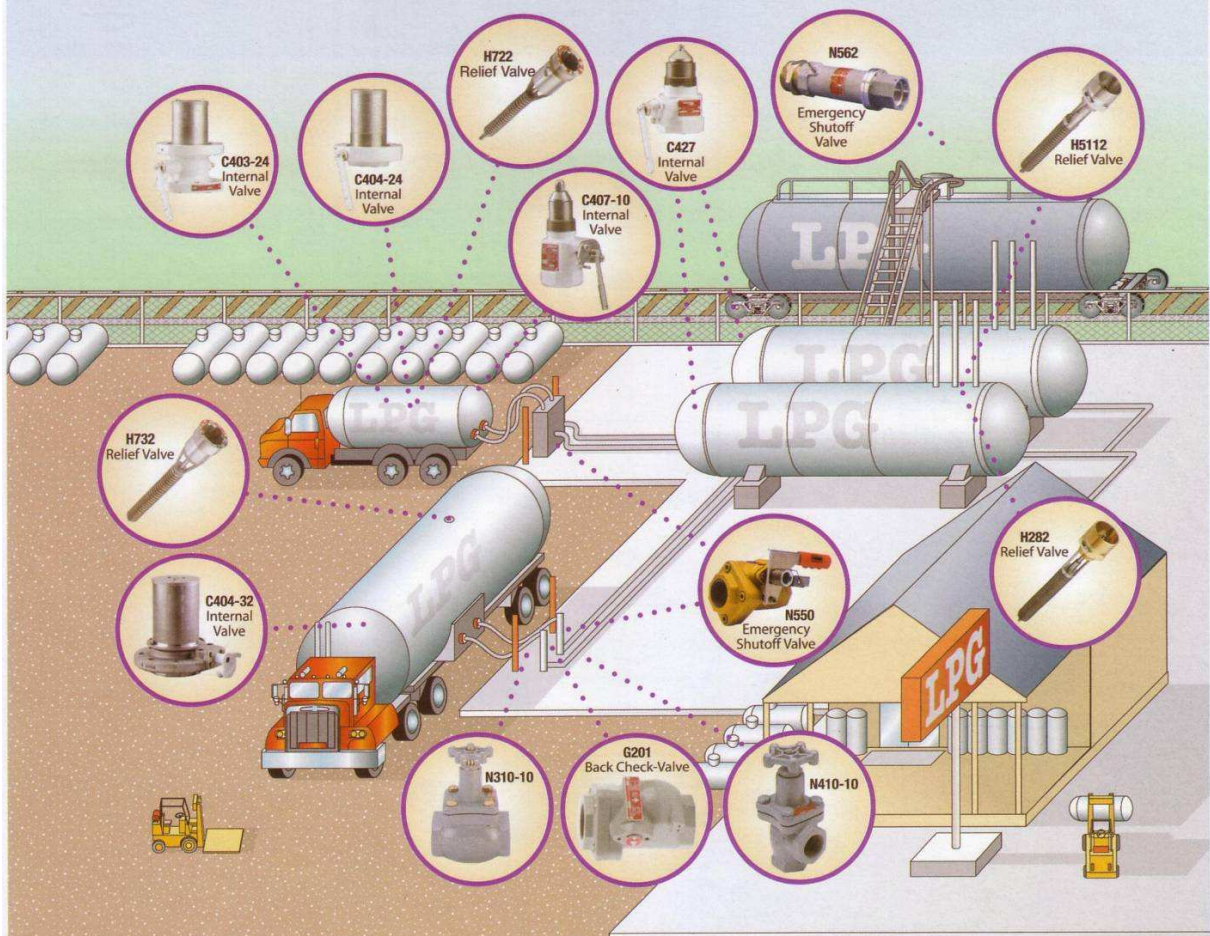
\*R622E and R652E are green with white closing caps

# LP-GAS VALVES

Fisher internal valves, relief valves, emergency shutoff valves, and globe and angle valves are installed in the inlets and outlets (liquid or vapor) of pressure vessels and in piping systems to control the flow of LP-Gas and NH<sub>3</sub> (anhydrous ammonia). These valves are frequently used on bobtails, transport truck tanks, large stationary storage tanks, and in-line installations.

The valves provide a means of withdrawing and filling product with or without pumps and compressors. These valves may be used as primary shutoff valves, excess flow valves, and back check valves. No one offers a more complete line of LP-Gas equipment to match your job specification.

## Application Map



## Features\*

- Truck Relief Valves – All Stainless Steel Construction
- High Flow Capacities
- Positive Shutoff Valves
- Rugged Construction
- Ease of Service
- Wide Range of Products for Varying Applications

\* Features Vary By Model

**CEM**

INTERNATIONAL *Servicing the needs of the LPG Industry*



**NEVER BREAK THE SYSTEM  
AGAIN TO DO A LEAK TEST**

**LDS TANK PRESSURE PRODUCTS**



- # 6800 Patented, liquid filled 300psi / Ambient Temperature Gauge (indicates liquid in the tank, not just vapor pressure). The Inner Red dial is the Temperature Reading that should closely correspond to the Pressure Reading (outer Black dial) if liquid is in the tank. Quick Adapter provides access to the Presto-Tap® Valve without tools. Cloth belt-loop holster is included.
- # 1401 UL Listed 1/4" tube M.POL x M.POL 12" Pigtail w/ Presto-Tap® Valve.
- # 1402 UL Listed 1/4" tube M.NPT x M.POL 12" Pigtail w/ Presto-Tap® Valve.
- # 3801 UL Listed 3/8" tube M.POL x M.POL 12" Pigtail w/ Presto-Tap® Valve shown with #6800 Gauge attached.
- # TPF UL Listed 1/4" F.NPT Tank Pressure Fitting w/ Presto-Tap® Valve shown with #6800 Gauge, gauge holster, and various installation connectors— M.POL, 1/4" NPT pigtail, or 1/4" close nipple. Also available as TPF Pigtail— assembled 1/4" tube M.NPT x M.POL pigtail, TPF, and M.POL Connector.
- # RV UL Listed 1/8" M.NPT Regulator Valve (for regulator Tank Pressure Tap location) - LEGAL throughout the system at available locations - tank pressure regulator taps, 10# & 11" w.c. regulator locations, in-line valve pressure tap location, or at available appliance locations. RV/QA (Regulator Valve Quick Adapter) provides access for test instruments, either attached directly or by hose barb.
- 2000/TG UL Listed Test Gauge unit with #6800 Gauge attached to a 5# cylinder (located in the service area) by a M.POL connector. Shown with a #6800 Gauge attached to the Presto-Tap® Pressure Valve. Used to test the mobile, portable #6800 against a "standard". Daily testing is advised with both pressure readings documented on a "Test Log Sheet" that is available.

**LDS HIGH (10#) AND LOW (11" W.C.) PRESSURE PRODUCTS**



Model # PT-30LP - Presto-Tap® 30# PSIG Liquid Filled Gauge with Quick Adapter— Includes a Cloth belt-loop holster.



Model # LPV (Low Pressure Valve) UL Listed 1/2" F.NPT "Tamper-Resistant" valve with Presto-Tap® Pressure Valve requires special tool to lock & unlock the valve— includes Warning Tag. Shown with Quick Adapter (ordered separately) and hose barb. Use inside and outside the structure.



RV-L Regulator Valve Low Pressure— Not Legal at Tank Pressure Locations & not recommended for interior use. Not UL Listed.



RV/QA Quick Adapter - 1/4" F.NPT x Presto-Tap® Pressure Valve Connector for access using industry standard testing devices.

PRESTO-TAP® PRODUCTS MEET NFPA PUB. 54 AND 58 SPECIFICATIONS

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# CONVERSION UNITS.

## CONVERSION FACTORS FOR PRESSURE

bar	mbar	kPa	Pa	PSI	Inch wc
1.0	1 000	100	100 000	14.5	401
0.0001	1.0	0.1	100	0.0145	0.401
0.01	10	1.0	1 000	0.145	4.01
0.00001	0.01	0.001	1.0	0.00015	0.00401
0.06897	68.97	6.8966	6 896.55	1.0	27.655
0.00249	2.49377	0.24938	249.38	0.03616	1.0
0.98068	980.67	98.067	98 067	14.223	393.7

<p><b>ENERGY</b></p> <p>1 BTU = 1 055 j            1 000 BTU = 1.055 Mj            1 kWh = 3.6M j            1 j = 0.9478 x 10<sup>-3</sup> Mtu            1 Mj = 947.8 Btu</p> <p><b>POWER</b></p> <p>1 000 Btu/h = 0.2931 kW            1 h.p. = 745.7 w            1 kW = 3412 Btu/h            1 kW = 1.341 h.p.</p> <p><b>FLOW</b></p> <p>1 gal/min = 4.546 l/min            1 gal/hr = 4.546 l/hr</p> <p><b>VOLUME</b></p> <p>1 ft<sup>3</sup> = 1728 inch<sup>3</sup>            1 in<sup>3</sup> = 16390 mm<sup>3</sup>            1 ft<sup>3</sup> = 0.02832 m<sup>3</sup>            1 yd<sup>3</sup> = 0.7646m<sup>3</sup>            1 mm<sup>3</sup> = 6.102 x 10<sup>-5</sup> in<sup>3</sup>            1 m<sup>3</sup> = 35.32 ft<sup>3</sup>                      = 1.308 yd<sup>3</sup></p> <p>1 pint = 0.5683 litre            1 gallon = 4.546 litres            1 litre = 1.760 pints                      = 0.2200 gallons            1 k litre = 220 gallons</p> <p><b>NOTE :</b></p> <p>1 US gallon = 3.785 litres            1 litre = 10<sup>-3</sup> m<sup>3</sup></p>	<p><b>COMMON L.P.GAS VESSELS</b></p> <p><b>NOMINAL VALUE WATER CAPACITIES</b></p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;">GALLONS</th> <th style="text-align: center;">=</th> <th style="text-align: right;">KILOLITRES</th> </tr> </thead> <tbody> <tr><td>50 000</td><td>=</td><td>227.00</td></tr> <tr><td>10 000</td><td>=</td><td>45.0</td></tr> <tr><td>5 000</td><td>=</td><td>23.0</td></tr> <tr><td>2 000</td><td>=</td><td>9.0</td></tr> <tr><td>1 000</td><td>=</td><td>4.5</td></tr> <tr><td>750</td><td>=</td><td>3.5</td></tr> <tr><td>625</td><td>=</td><td>3.0</td></tr> <tr><td>500</td><td>=</td><td>2.5</td></tr> <tr><td>250</td><td>=</td><td>1.0</td></tr> </tbody> </table> <p><b>NOMINAL LPG MASS CAPACITIES.</b></p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;">POUNDS</th> <th style="text-align: center;">=</th> <th style="text-align: right;">KILOGRAMS</th> </tr> </thead> <tbody> <tr><td>420</td><td>=</td><td>190.0</td></tr> <tr><td>100</td><td>=</td><td>45.0</td></tr> <tr><td>40</td><td>=</td><td>18.0</td></tr> <tr><td>33</td><td>=</td><td>15.0</td></tr> <tr><td>20</td><td>=</td><td>9.0</td></tr> <tr><td>10</td><td>=</td><td>4.5</td></tr> </tbody> </table> <p><b>PRESSURE</b></p> <table style="width: 100%; border: none;"> <tbody> <tr><td>1 atmosphere</td><td>=</td><td>14.70 lbf/in<sup>2</sup></td></tr> <tr><td>1 inch H<sub>2</sub>O</td><td>=</td><td>0.0361 lbf/in<sup>2</sup></td></tr> <tr><td>1 lbf/in<sup>2</sup></td><td>=</td><td>27.67" of H<sub>2</sub>O</td></tr> <tr><td>1 lbf/in<sup>2</sup></td><td>=</td><td>6895 Pa</td></tr> <tr><td></td><td>=</td><td>6.895 kPa</td></tr> <tr><td>1 inch H<sub>2</sub>O</td><td>=</td><td>250 kPa</td></tr> <tr><td>1 MPa</td><td>=</td><td>145 lbf/in<sup>2</sup></td></tr> <tr><td>1 kPa</td><td>=</td><td>0.145 lbf/in<sup>2</sup></td></tr> <tr><td>1 Pa</td><td>=</td><td>0.145 x 10<sup>-3</sup> lbf/in<sup>2</sup></td></tr> <tr><td>1 kPa</td><td>=</td><td>4.0" of H<sub>2</sub>O</td></tr> </tbody> </table>	GALLONS	=	KILOLITRES	50 000	=	227.00	10 000	=	45.0	5 000	=	23.0	2 000	=	9.0	1 000	=	4.5	750	=	3.5	625	=	3.0	500	=	2.5	250	=	1.0	POUNDS	=	KILOGRAMS	420	=	190.0	100	=	45.0	40	=	18.0	33	=	15.0	20	=	9.0	10	=	4.5	1 atmosphere	=	14.70 lbf/in <sup>2</sup>	1 inch H <sub>2</sub> O	=	0.0361 lbf/in <sup>2</sup>	1 lbf/in <sup>2</sup>	=	27.67" of H <sub>2</sub> O	1 lbf/in <sup>2</sup>	=	6895 Pa		=	6.895 kPa	1 inch H <sub>2</sub> O	=	250 kPa	1 MPa	=	145 lbf/in <sup>2</sup>	1 kPa	=	0.145 lbf/in <sup>2</sup>	1 Pa	=	0.145 x 10 <sup>-3</sup> lbf/in <sup>2</sup>	1 kPa	=	4.0" of H <sub>2</sub> O
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# CONVERSION UNITS.

## CONVERTING VOLUMES OF GAS

**Multiply Flow Volume of:**

**By**

**To Obtain Flow Volume of:**

<b>AIR</b>	0.707 1.290 0.808	<b>BUTANE</b> <b>NATURAL GAS</b> <b>PROPANE</b>
<b>BUTANE</b>	1.414 1.826 1.140	<b>AIR</b> <b>NATURAL GAS</b> <b>PROPANE</b>
<b>NATURAL GAS</b>	0.775 0.547 0.625	<b>AIR</b> <b>BUTANE</b> <b>PROPANE</b>
<b>PROPANE</b>	1.237 0.874 1.598	<b>AIR</b> <b>BUTANE</b> <b>NATURAL GAS</b>

## PROPANE CONVERSIONS

1 SCF/HR @60° F	=	2 500 BTU/HR
1 M3/HR (Propane)	=	94 800 BTU/HR
	=	122 000 BTU/HR (Butane)
1 WATT/HR	=	3.412 BTU/HR
1 M-WATT/HR	=	3 412 000 BTU/HR
1 LB/HR	=	21 560 BTU/HR
1 KG/HR	=	47 520 BTU/HR
1 US GAL/HR	=	91 500 BTU/HR
1 IMP GAL/HR	=	110 000 BTU/HR
1 LTR/HR	=	24 200 BTU/HR
1 CALORIE/HR	=	3.97BTU/HR
1 M-CALORIE/HR	=	3 968 000 BTU/HR
1 HORSEPOWER	=	2 545 BTU/HR
1 BOILER HORSEPOWER	=	33 475 BTU/HR

## TEMPERATURE CONVERSIONS

DEGREES F.	DEGREES C.
-50	-46
-40	-40
-30	-34
-20	-29
-10	-23
0	-17.8
+10	-12.2
20	-6.7
30	-1.1
32	0
40	+4.4
50	10.0
60	15.6
70	21.1
80	26.7
90	32.2
100	37.8
110	43
120	49
130	54
140	60
150	66
160	71
Degree C. = (F°-32) X 5/9	Degree F. = 9/5 X °C + 32



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# NOTES.

## **STANDARD TERMS AND CONDITIONS OF SALE**

Please carefully read the enclosed terms since they apply to the sale of all products by CEM International (including all divisions and subsidiaries) to you.

### **1. Applicability**

These terms and conditions supersede all previously issued standard terms and conditions of sale.

### **2. Terms of Supply**

CEM will supply the goods set out on the order in the quantity and to the location specified in the Purchaser's order form.

### **3. Quotations and Prices**

3.1 All prices are subject to alteration without notice to the Purchaser if due to any increase in CEM's costs between the date of the quotation and the date or dates of delivery.

3.2 The price of Goods ordered will be that amount charged by CEM at the date or dates of delivery.

3.3 All prices for Goods are exclusive of sales tax and delivery charges, unless otherwise agreed.

### **4. Terms of Payment**

CEM may invoice the Purchaser for the cost of materials, labour and/or overheads which CEM incurs, or will incur, in the process of manufacturing Goods, before delivery of such Goods by CEM to the Purchaser. The Purchaser must, within seven (7) days of the date of any such invoice rendered by CEM to the Purchaser, pay to CEM the amount specified in such invoice. Otherwise, Goods must be paid for within thirty (30) days of the date of invoice, unless otherwise agreed.

### **5. GST**

5.1 All prices charges taxes and expenses ("the amounts") payable by the Purchaser to CEM do not include any goods and services tax ("GST").

5.2 If any GST is incurred or payable by or collectable from CEM in respect of supplies by CEM to the Purchaser, the Purchaser must pay or reimburse CEM for any GST, in addition to the amounts.

5.3 The GST must be paid or reimbursed by the Purchaser to CEM at the same time as when the amounts required to be paid by the Purchaser to CEM.

5.4 CEM shall promptly provide the Purchaser with an invoice or receipt which is in an approved form for GST purposes.

### **6. Interest on Overdue Accounts**

6.1 If the Purchaser fails to pay any sum by the due date for payment, the Purchaser will on

demand pay to CEM interest at a rate fixed under Section 2 of the Penalty Interest Rates Act 1983 (Vic.), computed on the sum of money overdue during the period of default.

6.2 The Purchaser will pay on demand the reasonable expenses incurred by CEM as a result of late payment for Goods.

### **7. Specification**

CEM reserves the right to modify any specifications for improvement of the Goods at any time.

### **8. Delivery and Quantities**

8.1 CEM reserves the right to deliver Goods by instalments and each instalment shall be deemed to be sold under a separate contract. Failure of CEM to deliver any instalment shall not entitle the Purchaser to cancel the balance of the order.

8.2 The Purchaser authorises CEM to arrange with an independent contractor the cartage, delivery, storage, handling, installation, removal, assembly or erection of the Goods.

8.3 CEM will not be responsible for loss or damage to Goods beyond the point of consignment.

8.4 In the event of the Purchaser's lack of instructions the commencement or progress of any work by CEM is delayed or suspended or the date of delivery of the Goods is postponed, the Purchaser shall be liable for all costs or expenses suffered or incurred by CEM as a result.

8.5 Any claim by the Purchaser for inadequate or wrongful delivery of the Goods must be notified to CEM in writing within 14 days after delivery of the Goods.

### **9. Installation and Site Requirements**

9.1 CEM reserves the right to increase the charge specified in any quotation for installation and/or commissioning of Goods.

9.2 The Purchaser will at its own cost and expense arrange for suitable electrical power, hoisting and toilet facilities to be provided to the CEM personnel performing any work for the Purchaser.

### **10. Risk and Title**

10.1 The Purchaser shall not acquire any right, title or interest in Goods until the Purchaser pays to CEM the purchase price of the Goods in full.

10.2 Until Goods sold are paid for in full the Purchaser is a bailee of those Goods for CEM and will keep the Goods reasonably separate

and identifiable from all other goods that the Purchaser may hold unless the Goods are incorporated into or are a component part of a finished product produced by the Purchaser.

10.3 If any Goods in which CEM retains title are resold or incorporated into products manufactured or finished using the Goods and resold, the Purchaser shall hold such part of the proceeds of any sale as represents the invoice price of the Goods sold in a separate identifiable bank account as trustee for CEM as beneficial owner and shall pay such amount to CEM immediately on demand.

10.4 If the Purchaser has not paid for Goods when payment falls due, CEM may enter the Purchaser's premises where those Goods are or are reasonably suspected of being situated, without liability for trespass or any resulting damage, and retake possession of those Goods using reasonable force to do so.

### **11. Implied Terms**

All warranties included or implied by statute the common law, equity, trade, custom or usage or otherwise are expressly excluded to the maximum extent permitted by law. The liability of CEM for a breach of a condition or warranty that cannot by law be excluded is limited at CEM's option to the replacement or repair of the Goods or the supply of equivalent goods or the cost of acquiring equivalent goods.

### **12. Limitation of Liability**

In no event shall CEM be liable for any special, incidental, indirect or consequential damages including damages for loss of business profits, business interruption or loss of information which may be suffered or incurred or which may arise directly or indirectly as a result of the use of the Goods by the Purchaser.

### **13. General**

13.1 CEM shall not be bound by any agreement purporting to vary these terms and conditions unless that agreement is in writing and signed on behalf of CEM by an authorised officer of CEM.

13.2 CEM and the Purchaser shall not be liable for any delay or failure to perform their obligations apart from a failure to pay monies validly owing, if that failure or delay is due to any cause or condition beyond the control of that party.

13.3 If any part of these terms and conditions is or becomes illegal or invalid then the remainder of these conditions shall not be affected.

Where special conditions are specified by CEM in any quotation or other sale document, such special conditions shall apply to these terms and conditions and to the extent that there is any inconsistency between those special conditions and these terms and conditions, the special conditions shall prevail to the extent of the inconsistency.



# CEM

INTERNATIONAL



*Servicing the needs of the LPG Industry*

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