

## 2B | Propane



### RATERMANN MANUFACTURING, INC.

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# BUILD NAME RECOGNITION

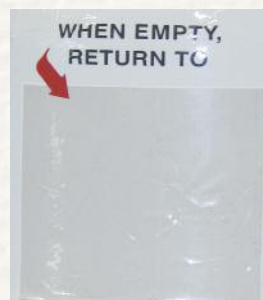
## Custom Imprinted Shrink Wrap for Propane Tanks

- Build Name Recognition
- Safety and Operating Instructions
- Call Us to Build a Program Around Your Needs

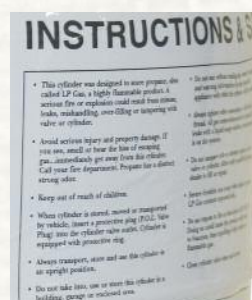


Part #	Description
SW-P5	Shrink Wrap Cover – Custom Printed

## Pre-Printed Shrink Wrap for Propane Tanks



### Insert Refilling Return Information



### Instructions



Part #	Description
SW-P5GEN	Pre-Printed Shrink Wrap Cover

## The Original Propane Plug with Strap

The Original Propane Plug is available in two versions: one with the O-Ring molded in and the other with a standard O-Ring installed.



Pt # PF-PP2



Pt # PF-PPSCF

### Dust Cap with pull tab for removal



Propane Plug Original with Strap  
Pt # PF-SPP

Description	Part # for 1,000	Part # for 100
Propane Plug	PF-PP2PK1000	PF-PP2PK100
Plug with Strap	PF-SPPK1000	PF-SPPK100
Dust Cap	PF-PPSCF-PK1000	PF-PPSCF-PK100

## Propane Safety Cap

This safety cap with strap fits OPD type propane cylinder valves. It completely protects the cylinder valve inlet/outlet from damage or contamination. It has a restraining strap to keep it attached to the cylinder. Safety warnings are imprinted directly on to the restraining strap.

- Easy to apply and remove
- One-piece design
- Made of durable plastic
- Warning label is written in English and Spanish
- Standard color: black



Pt # PM-PC-BL



Pt # PM-PC

Part #	Description	Color	Pack of
PM-PCPK100	Propane Cap and Strap	Black	100
PM-PCPK1000	Propane Cap and Strap	Black	1000
PM-PC-BLPK100	Propane Cap and Strap	Blue	100
PM-PC-BLPK1000	Propane Cap and Strap	Blue	1000



# Propane Protective Cap for OPD Style Valves



## Protective Cap for "OPD" Style Propane Valves

Propane valves have threads on the inside and the outside. Other caps do not protect the inside of the valve. This is the most important part of the valve, in that contamination will prevent the cylinder from properly mating with the utilization equipment, resulting in a leak. Leaks can lead to fires resulting in personal injury and property damage.

This new cap for propane cylinders equipped with the "OPD" style valve offers safety features that no other cap can – while at the same time providing tamper detection, and full protection of both the outside and inside of the valve. It also helps prevent mix-ups in the storage area or cage!

Part #	Description	Color	Pack of
PC-OPD-BLPK-100	Protective Cap for OPD Style Valves	Blue	100
PC-OPD-BLPK-1000	Protective Cap for OPD Style Valves	Blue	1000
PC-OPD-RDPK-100	Protective Cap for OPD Style Valves	Red	100
PC-OPD-RDPK-1000	Protective Cap for OPD Style Valves	Red	1000
PC-OPD-GRPK-100	Protective Cap for OPD Style Valves	Green	100
PC-OPD-GRPK-1000	Protective Cap for OPD Style Valves	Green	1000



## Propane Cap for Fast Fill Connector with Strap



Part #	Description	Pack of
PC-FFS-PK10	Propane Cap for Fast Fill Connector with Strap	10
PC-FFS-PK100	Propane Cap for Fast Fill Connector with Strap	100
PC-FFS-PK1000	Propane Cap for Fast Fill Connector with Strap	1000



## POL Type Propane Plug

This plug is threaded with left hand threads and has a O-ring seal to be gas tight and prevent leaks. It also comes with a restraining strap that is imprinted with safety pre-cautions. It is available in Yellow or Red.

Part #	Description	Color	Pack of
PF-PP2RPK100	Propane Valve Dust Cover	Red	100
PF-PP2RPK1000	Propane Valve Dust Cover	Red	1000
PF-PP2PK100	Propane Valve Dust Cover	Yellow	100
PF-PP2PK1000	Propane Valve Dust Cover	Yellow	1000

## TAMPER EVIDENT HELPS PREVENT MIX-UPS

**Protect Your Valve –  
Call 800-264-7793  
for your sample today!**

## Acetylene/Propane Valve Outlet Dust Plug

This push-in plug fits in most CGA-510 propane valves. They do not fit into forklift tank valves. This plug is great for maintenance operations such as painting because it keeps the paint out of the valve. It is also good for cylinders that will be stored for long periods of time such as during the summer months. It will keep dirt and debris out of the valve.



Part #	Description	Pack of
DP-APVOPK100	Dust Plug for Acetylene/Propane Valves outlets	100
DP-APVOPK1000	Dust Plug for Acetylene/Propane Valves outlets	1000

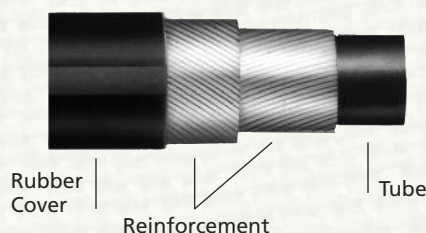
Rev: 1/25/18, N-2/25/16, Rev: 12/7/15



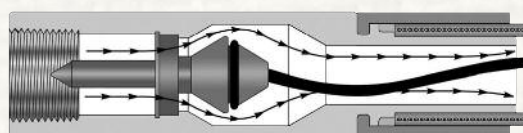
# LPG Transfer Hose - UL® 21

The Smart-Hose Safety System is combined with a heavy duty LPG transfer hose designed to meet the most rugged applications found in the LPG industry. All hoses through 3" ID meet UL 21, 4" & 6" and are built to BS 4089:1989. To achieve lower operating cost, return used Smart-Hose couplings for attachment to new hose!

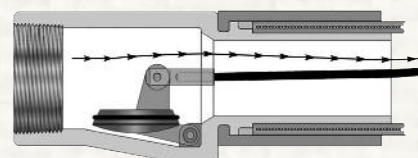
- Each hose is tested under water with dry air or nitrogen to Test Pressure.
- Each hose is serial numbered.
- Each hose comes with Test Certificate & Operating Booklet.
- 316 Stainless Steel couplings are designed for reuse on new hose.
- Hose can be made to meet DOT HM225/46CFR173.315
- Each hose meets NFPA 59
- Hose can be made to meet DOT - E 12325 - (Special rail car unloading exemption eliminates requirement for human monitoring during unloading procedure).



**Product Flows through hose but if hose cable is broken the hose ends close stopping the flow of product.**



Lifeline 1



Lifeline 3

## Hose Data

**Cover** Black CR with Blue Longitudinal Stripe - abrasion & weather resistant

**Reinforcement** Multiple layers of Polyester - min. burst 1750 psi

**Tube** Oil resistant - resistant to permeation of Butane/Propane

**Branding** LPG Hose MH12585 350 Max. WP, Quarterly/Year, Made in USA.

**Temperature** -40°F to 180°F

**Maintenance** See Smart-Hose Proper Use, Care, and Maintenance, Booklet Form #1999-1

Hose Length	Smart Hose Part Number	I.D.	WP psi	Hose Wt/Ft	Lifeline 1	Coupling Weight Lifeline 2	Lifeline 3	Coupling Length
15 ft.	SH-LPG1-180F12	1/2"	350	0.3 lb	.80 lb	na	na	2.40"
15 ft.	SH-LPG1-180F34	3/4"	350	0.43 lb	1.60 lb	na	na	3.60"
15 ft.	SH-LPG1-180F1	1"	350	0.58 lb	2.50 lb	na	na	4.40"
15 ft.	SH-LPG1-180F114	1 1/4"	350	0.92 lb	2.90 lb	na	na	5.42"
15 ft.	SH-LPG3-180F112	1 1/2"	350	1.03 lb	na	na	3.40 lb	4.47"
15 ft.	SH-LPG2-180F2	2"	350	1.67 lb	na	12.1 lb	na	5.50"
15 ft.	SH-LPG3-180F2	2"	350	1.67 lb	na	na	4.70 lb	5.36"
15 ft.	SH-LPG3-180F3	3"	350	2.34 lb	na	na	12.10 lb	8.21"
15 ft.	SH-LPG3-180F4	4"	350	3.35 lb	na	na	20.7 lb	13.25"
15 ft.	SH-LPG3-180F6	6"	350	8.23 lb	na	na	61.5 lb	26.3"

For other hose lengths, replace "180" in the part number with the length (in inches) you need.

**A SMART-HOSE CAN HELP YOU TO AVOID THESE SITUATIONS!**





## Storage Options for Your Propane Tanks



The **CSC-LP12** is essentially a converted ESTS cage with shelves designed to hold 20 lb. propane cylinders. With crimped sheet metal siding and the ability to be bolted to the floor, your propane is easily secured.

**Pt # CSC-LP12**  
Height: 72"  
Width: 32"  
Depth: 32"  
Weight: 230 lb.  
Cylinder capacity: 20 lb. (12)

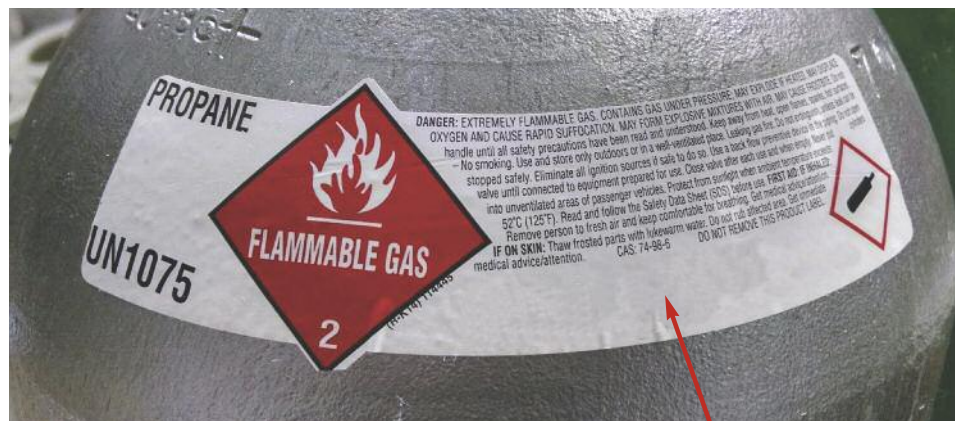


**Part # CSC-LP18**  
Height: 72"  
Width: 32"  
Depth: 42"  
Weight: 255 lb.  
Cylinder capacity: 20 lb. (18)

### Enclosed Storage Cage for Twenty Lb. Propane Cylinders

The **CSC-LP18** is essentially a converted ESTS cage with shelves designed to hold 20 lb. propane cylinders. With crimped sheet metal siding and the ability to be bolted to the floor, your propane is easily secured.

## All Labels are GHS Compliant For Custom Imprint Labels... to Promote Your Brand



**Add your Custom Imprint information here.**

See Label Section 6A for other cylinder labels available for Custom Imprinting with Your Company Name.



Propane  
Pt # GCS-PROPANE1075-XXX-PK500



Propane  
Pt # GCS-PROPANE1978-XXX-PK500



## Storage Options for Your Propane Tanks

### Propane Carts

The **CSC-79004P** is designed to carry large propane tanks with ease. The **CSC-7325S** carries slightly smaller propane tanks.



**Pt # CSC-7325S**  
Baseplate: N/A  
Height: 51"  
Width: 25"  
Weight: 30 lb.  
Wheels: 101222



**Pt # CSC-79004P**  
Baseplate: N/A  
Height: 55"  
Width: 29"  
Weight: 51 lb.  
Wheels: 101222

### Propane Cages

- Safe and Secure Storage
- for 33 and 44 lb. propane cylinders

#### Storage Rack for Eight

The **CSC-SPC8** is a lockable storage rack for eight 33 lb. to 44 lb. propane cylinders. Stationary pins hold each cylinder in place to maintain the upright position of the safety valves.

**Pt # CSC-SPC8**

Height: 70" Width: 33"  
Depth: 36" Weight: 174 lb.  
Cylinder capacity: 33-44 lb. (8)



#### Lockable Rack for Twelve

Designed for bulk jobs, the **CSC-SPC12** is a lockable rack for twelve 33 lb. to 44 lb. propane cylinders. Stationary pins hold each cylinder in place to maintain the upright position of the safety valves.

**Pt # CSC-SPC12**

Height: 70" Width: 48"  
Depth: 36" Weight: 280 lb.  
Cylinder capacity: 33-44 lb. (12)



#### Lockable Storage Rack for Sixteen

The **CSC-SPC16**, a great addition to any forklift fleet, is a lockable storage rack for sixteen 33 lb. to 44 lb. propane cylinders. Stationary pins hold each cylinder in place to maintain the upright position of the safety valves.

**Pt # CSC-SPC16**

Height: 70" Width: 60"  
Depth: 36" Weight: 285 lb.  
Cylinder capacity: 33-44 lb. (16)



#### Lockable Storage Rack for Four

The **CSC-SPC4** is a lockable storage rack for four 33 lb. to 44 lb. propane cylinders. Stationary pins hold each cylinder in place to maintain the upright position of the safety valves.

**Pt # CSC-SPC4**

Height: 39" Width: 33"  
Depth: 36" Weight: 135 lb.  
Cylinder capacity: 33-44 lb. (4)

## Fuel Gas

Ratermann's Fuel Gas cylinders can be used with MAP-Pro™, Apache, HPG, Propylene or any other specialty gas requiring cylinders with working pressures up to 260 psi. They are manufactured to DOT specifications and are engineered by design to provide the durability, strength and structural integrity for many years of hard use.



**DESIGNED TO  
PROVIDE  
DURABILITY  
& STRENGTH  
FOR MANY  
YEARS OF  
HARD USE**

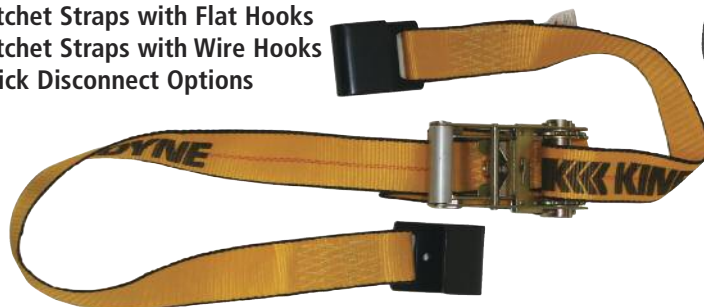
Note: Cylinder colors may vary from photo.

PART NUMBER	FGCYL-2	FGCYL-6	FGCYL-25.5	FGCYL-60	FGCYL-100	FGCYL-200	FGCYL-420
<b>SPECIFICATIONS</b>							
MODEL/SIZE (LBS.)	2	6	25.5	60	100	200	420
HEIGHT (IN.)	16.9	22.1	32.9	44.1	48	40	52
HEIGHT (MM)	429	561	836	1,120	1,219	1,016	1,321
WATER CAPACITY (LBS.)	4.5	15	61	142.9	239	474	1,000
WATER CAPACITY (KG)	2	6.8	27.7	64.8	108.4	215	454
NOMINAL TARE WEIGHT (LBS.)	5.5	8	25.9	48.1	74.8	158	298
NOMINAL TARE WEIGHT (KG)	2.5	3.6	11.7	21.8	33.9	71.6	135
CYLINDER DIAMETER (IN.)	4	6.3	9.1	12	14.7	24	30
CYLINDER DIAMETER (MM)	102	160	231	305	373	610	762
CYLINDER VOLUME (CU. IN.)	125	415	1,688	3,955	6,616	13,120	27,731
CYLINDER VOLUME (LITER)	2	6.8	27.7	64.8	108.4	215	454
COLLAR DIAMETER (IN.)	3	5.7	6.5	6.5	6.5	16	16
COLLAR DIAMETER (MM)	76	144.8	165	165	165	406	406
COLLAR HEIGHT (IN.)	4.3	6.5	5.1	5.1	5.1	6.9	6.9
COLLAR HEIGHT (MM)	109	165	130	130	130	175	175
FOOTRING DIAMETER (IN.)	3.9	6.3	7.8	12	14.5	19	22
FOOTRING DIAMETER (MM)	99	160	198	305	368	483	559
STANDARD SPECIFICATION	DOT-4BA-260	DOT-4E-260	DOT-4BW-260	DOT-4BW-260	DOT-4BW-260	DOT-4BW-260	DOT-4BW-260

Dimensions are approximate.

## Cylinder Straps For all your distribution needs

- Straps with Chain Anchors
- Ratchet Straps with Flat Hooks
- Ratchet Straps with Wire Hooks
- Quick Disconnect Options



For all your Cylinder Strap needs, see section 18A



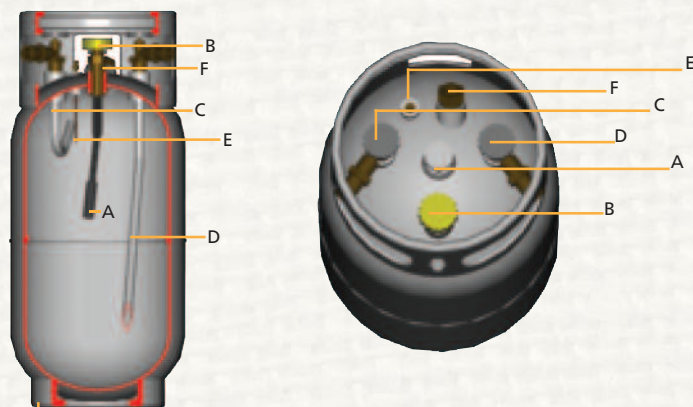
# Aluminum Forklift for LPG



PART NUMBER	LPGCYL-FLA-20	LPGCYL-FLA-33.5	LPGCYL-FLA-43.5
<b>SPECIFICATIONS</b>			
<b>MODEL/SIZE (LBS.)</b>	<b>20</b>	<b>33.5</b>	<b>43.5</b>
HEIGHT (IN.)	20.3	28	34.1
HEIGHT (MM)	516	711	866
LPG CAPACITY (GAL)	4.7	7.9	10.3
LPG CAPACITY (LITER)	17.8	29.9	39
WATER CAPACITY (LBS.)	47.6	80	103.6
WATER CAPACITY (KG)	21.6	36.3	47
NOMINAL TARE WEIGHT (LBS.)	19.3	22.9	27
NOMINAL TARE WEIGHT (KG)	8.8	10.4	12.2
CYLINDER DIAMETER (IN.)	12.3	12.3	12.3
CYLINDER DIAMETER (MM)	312	312	312
CYLINDER VOLUME (CU. IN.)	1,318	2,214	2,868
CYLINDER VOLUME (LITER)	21.6	36.3	47
COLLAR DIAMETER (IN.)	10.8	10.8	10.8
COLLAR DIAMETER (MM)	274	274	274
COLLAR HEIGHT (IN.)	6.8	6.8	6.8
COLLAR HEIGHT (MM)	173	173	173
FOOTRING DIAMETER (IN.)	9.4	9.4	9.4
FOOTRING DIAMETER (MM)	238	238	238
<b>STANDARD SPECIFICATION</b>	DOT-4E-240	DOT-4E-240	DOT-4E-240

Dimensions are approximate.

- A. Float gauge (float shown; exterior read-out not visible)
- B. Liquid fill valve
- C. Vapor withdrawal tube/valve (aluminum = non-rusting)
- D. Liquid withdrawal tube/valve (aluminum = non-rusting)
- E. Fixed liquid level
- F. Safety relief valve



Deep, heavy-duty footring provides the largest clearance in the industry.

Note: Cylinder colors may vary from photo.

Rev: 12/7/15



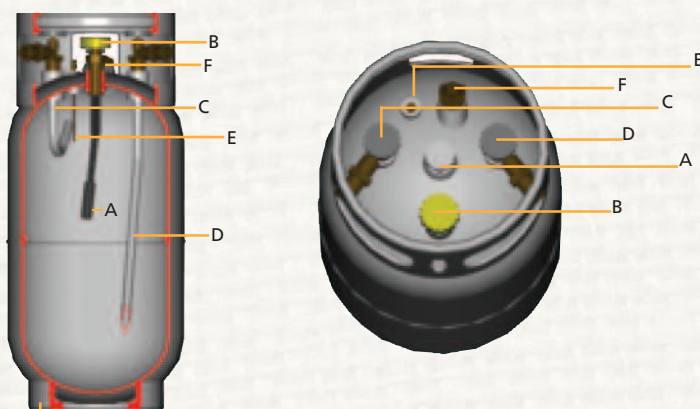
# Steel Forklift for LPG



PART NUMBER	LPGCYL-FLS-20	LPGCYL-FLS-33.5	LPGCYL-FLS-43.5
<b>SPECIFICATIONS</b>			
<b>MODEL/SIZE (LBS.)</b>	<b>20</b>	<b>33.5</b>	<b>43.5</b>
HEIGHT (IN.)	19.2	26.9	32.8
HEIGHT (MM)	487.7	683	833
LPG CAPACITY (GAL)	4.7	7.9	10.3
LPG CAPACITY (LITER)	17.8	29.9	39
WATER CAPACITY (LBS.)	47.6	80	103.6
WATER CAPACITY (KG)	21.6	36.3	47
NOMINAL TARE WEIGHT (LBS.)	26.5	34.5	40
NOMINAL TARE WEIGHT (KG)	12	15.7	18.1
CYLINDER DIAMETER (IN.)	12.3	12.3	12.3
CYLINDER DIAMETER (MM)	312	312	312
CYLINDER VOLUME (CU. IN.)	1,318	2,214	2,868
CYLINDER VOLUME (LITER)	21.6	36.3	47
COLLAR DIAMETER (IN.)	11.4	11.4	11.4
COLLAR DIAMETER (MM)	290	290	290
COLLAR HEIGHT (IN.)	6.4	6.4	6.4
COLLAR HEIGHT (MM)	163	163	163
FOOTRING DIAMETER (IN.)	9.5	9.5	9.5
FOOTRING DIAMETER (MM)	241	241	241
<b>STANDARD SPECIFICATION</b>	DOT-4BA-240	DOT-4BA-240	DOT-4BA-240

Dimensions are approximate.

- A. Float gauge (float shown; exterior read-out not visible)
- B. Liquid fill valve
- C. Vapor withdrawal tube/valve (aluminum = non-rusting)
- D. Liquid withdrawal tube/valve (aluminum = non-rusting)
- E. Fixed liquid level
- F. Safety relief valve



Deep, heavy-duty footing provides the largest clearance in the industry.

Note: Cylinder colors may vary from photo.

Rev: 12/7/15

## Aluminum Portable for LPG



Note: Cylinder colors may vary from photo.

PART NUMBER	LPGCYL-PA-6	LPGCYL-PA-10	LPGCYL-PA-20	LPGCYL-PA-30	LPGCYL-PA-40
<b>SPECIFICATIONS</b>					
<b>MODEL/SIZE (LBS.)</b>	<b>6</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>
HEIGHT (IN.)	22.1	15.9	20.2	26.1	32.1
HEIGHT (MM)	561	403.8	513	663	814
LPG CAPACITY (GAL)	1.4	2.4	4.7	7.1	9.4
LPG CAPACITY (LITER)	5.3	9	17.8	26.8	35.7
WATER CAPACITY (LBS.)	15	24	48	72	96
WATER CAPACITY (KG.)	6.8	10.8	21.7	32.7	43.5
NOMINAL TARE WEIGHT (LBS.)	8.1	9.7	14.2	16.2	20.9
NOMINAL TARE WEIGHT (KG)	3.7	4.4	6.4	7.3	9.5
CYLINDER DIAMETER (IN.)	6.3	10.3	12.3	12.3	12.3
CYLINDER DIAMETER (MM)	160	261	312	312	312
CYLINDER VOLUME (CU. IN.)	415	664	1,329	1,993	2,657
CYLINDER VOLUME (LITER)	6.8	10.8	21.7	32.7	43.5
COLLAR DIAMETER (IN.)	5.7	7.9	7.9	7.9	7.9
COLLAR DIAMETER (MM)	144.8	200	200	200	200
COLLAR HEIGHT (IN.)	6.5	5.5	5.5	5.5	5.5
COLLAR HEIGHT (MM)	165	140	140	140	140
FOOTRING DIAMETER (IN.)	6.2	8	8	8	8
FOOTRING DIAMETER (MM)	158	230	230	230	230
HORIZONTAL	N/A	Available	Available	Available	Available
STANDARD SPECIFICATION	DOT-4E-260	DOT-4E-240	DOT-4E-240	DOT-4E-240	DOT-4E-240

All dimensions are approximate.

## Steel Portable for LPG



Note: Cylinder colors may vary from photo.

All dimensions are approximate.

PART NUMBER	LPGCYL-PS-4.25	LPGCYL-PS-11	LPGCYL-PS-20	LPGCYL-PS-30	LPGCYL-PS-40	LPGCYL-PS-43.5	LPGCYL-PS-60	LPGCYL-PS-100
<b>SPECIFICATIONS</b>								
<b>MODEL/SIZE (LBS.)</b>	<b>4.25</b>	<b>11</b>	<b>20</b>	<b>30</b>	<b>40</b>	<b>43.5</b>	<b>60</b>	<b>100</b>
HEIGHT (IN.)	11.8	16.8	17.8	23.7	29.3	32.5	44.1	48.7
HEIGHT (MM)	300	427	452	602	744	825.5	1,120	1,240
LPG CAPACITY (GAL)	1	2.6	4.7	7.1	9.4	10.3	14.2	23.6
LPG CAPACITY (LITER)	3.8	9.8	17.8	26.9	35.6	39	53.8	89.3
WATER CAPACITY (LBS.)	12	26.2	47.6	71.5	95.2	103.6	142.9	239
WATER CAPACITY (KG.)	5.4	11.9	21.6	32.4	43.2	47	64.8	108.4
NOMINAL TARE WT. (LBS.)	11	13.1	16.6	23.5	29.1	33.9	48.1	68
NOMINAL TARE WT. (KG)	5	5.9	7.5	10.6	13.2	15.4	21.8	30.8
CYL DIAMETER (IN.)	9.1	9.1	12.3	12.3	12.3	12.3	12	14.7
CYL DIAMETER (MM)	231	231	312	312	312	312	305	373
CYL VOLUME (CU. IN.)	332	725	1,318	1,980	2,635	2,868	3,955	6,616
CYL VOLUME (LITER)	5.4	11.9	21.6	32.4	43.2	47	64.8	108.4
COLLAR DIAMETER (IN.)	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
COLLAR DIAMETER (MM)	165	165	165	165	165	165	165	165
COLLAR HEIGHT (IN.)	4	4	4	4	4	5.1	5.1	5.1
COLLAR HEIGHT (MM)	102	102	102	102	102	130	130	130
FOOTRING DIA (IN.)	9.1	7.8	7.8	7.8	7.8	12	12	14.5
FOOTRING DIA (MM)	231	198	198	198	198	305	305	368
HORIZONTAL	N/A	N/A	Available	Available	Available	N/A	N/A	N/A
STANDARD SPECIFICATION	DOT-4BA-240	DOT-4BA-240	DOT-4BA-240	DOT-4BA-240	DOT-4BA-240	DOT-4BA-240	DOT-4BW-260	DOT-4BW-240



# LPG Products



**RATERMANN**  
MANUFACTURING, INC.

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Rev: 8/8/17, 7/26/17, 7/24/17, 5/25/17, N: 12/10/16



## COMMON ITEMS for LPG Tank Equipment



### Filler Valves

Pre-applied sealant on the inlet thread.

3/4" M NPT  
Forklift Filler Valve  
Soft seal

► Pt # CVG-66-1122



For all FILLER VALVES and Information see page 2B-17

### Fork Lift Connectors

These brass connectors are designed to join the carburetor fuel line to the service valve.



► Pt # CVG-66-1024

Half coupling ACME. For installation between the LPG engine fuel line and the fork lift service valve.

For all FORK LIFT CONNECTORS and Information see page 2B-21

### Fixed Liquid Level Gauges

► Pt # CVG-66-1072



For all FIXED LIQUID LEVEL GAUGES and Information see page 2B-22

### Service Valves for DOT Cylinders

► Pt # CVG-80-5064  
► Pt # CVG-80-5016



For all SERVICE VALVES FOR DOT CYLINDERS and Info see page 2B-25

### Internal Pressure Relief Valves for DOT Fork Lift Cylinders

Designed specifically for use as primary relief valve on fork lift cylinders.

► Pt # CVG-66-0248



For all INTERNAL PRESSURE RELIEF VALVES and Information see page 2B-21

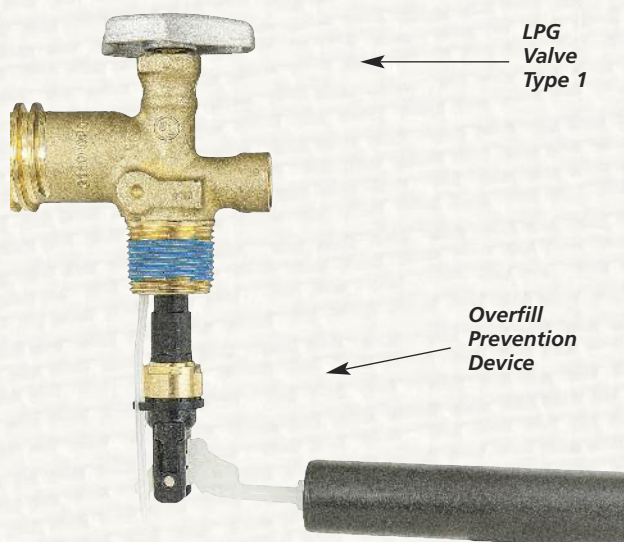
### Service Valves for DOT Fork Lift and ASME Motor Fuel Containers

► Pt # CVG-80-2064



For all SERVICE VALVES and Information see page 2B-22

### Type 1 ACME Cylinder Valve with Overfill Prevention Device (OPD)



LPG Valve Type 1

Overfill Prevention Device

► Pt # OPD-34T1-20-4.0  
► Pt # OPD-34T1-30-4.7  
► Pt # OPD-34T1-40-6.4

For all Information see page 2B-26



# Multi-Service Valve



## Features

- Multi-service valve with double back check filler valve
- Ideal for on site filling of DOT cylinders up to 200 lb LPG capacity without interrupting service
- Includes a service valve, back check filler valve, fixed maximum liquid level gauge
- New high discharge flow capacity pressure relief valve (1123 UL listing)
- Reduced filler valve chamber reduces the waste of LPG during filling operation
- Increased high filling capacity
- Double O-ring replaceable stem

## Application

These multi-service valves are suitable for 100-200 lb. DOT containers.



Pt # CVG-67-0805



100 lb. Multivalve with OPD  
Pt # CVG-67-1033

## Ordering Information

Part Number	Tank Connection	Vapor Service Connection	Filler Connection	Fixed Liquid Level Gauge	OPD	DT Length	Propane liquid capacity at various differential pressure (GPM)				Pressure Relief Valve Flow Capacity (SCFM) Air		
							10 PSIG	20 PSIG	50 PSIG	100 PSIG	PRV Setting	UL	ASME
CVG-67-0805	3/4" M NPT	POL (CGA 510)	1-3/4" ACME	not captive	-	10.6"	9	15	23	35	375	1123	n/a
CVG-67-0808	3/4" M NPT	POL (CGA 510)	1-3/4" ACME	not captive	-	11.6"	9	15	23	35	375	1123	n/a
CVG-67-0816	3/4" M NPT	POL (CGA 510)	1-3/4" ACME	not captive	-	8.2"	9	15	23	35	375	1123	n/a
CVG-67-0821	3/4" M NPT	POL (CGA 510)	1-3/4" ACME	not captive	-	10.2"	9	15	23	35	375	1123	n/a
CVG-67-1004	3/4" M NPT	POL (CGA 510)	1-3/4" ACME	not captive	-	8.6"	9	15	23	35	375	1123	n/a
CVG-67-1033	3/4" - 14 NGT	POL (CGA 510)	1-3/4" ACME	not captive	with OPD	9.6"	9	15	23	35	375	1123	n/a
CVG-67-1052	3/4" - 14 NGT	POL (CGA 510)	1-3/4" ACME	not captive	with OPD	10.3"	9	15	23	35	375	1123	n/a

Rev: 12/21/16, N: 12/12/16

## 420 Multivalve

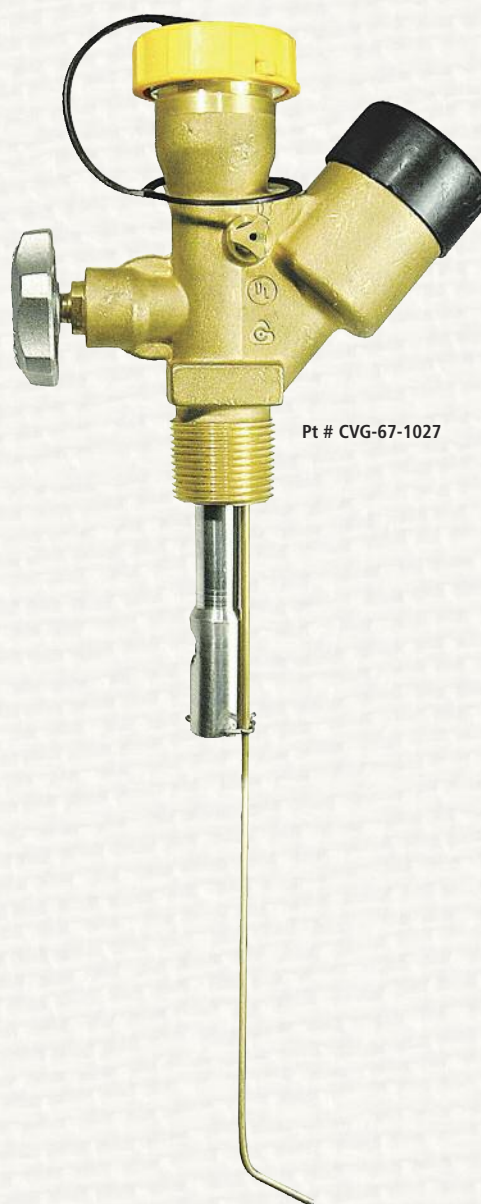


### Application

This multi-service valve is designed for use with 420 lb. DOT containers.

### Features

- Multi purpose valve with double back check filler valve
- Includes service valve, filler valve, fixed maximum liquid level gauge
- Reduced filler valve chamber minimizes LPG waste during filling operation
- Increased high filling capacity
- Double O-Ring replaceable stem



Pt # CVG-67-1027

## Ordering Information

Part Number	Tank Connection	Vapor Service Connection	Filler Connection	Fixed Liquid Level Gauge	DT Length	Pressure Relief Valve Flow Capacity (SCFM) Air	PRV Setting (PSIG)
CVG-67-1027	1" NPT	POL (CGA 510)	1-3/4" ACME	not captive	11.6"	1986	375



# Underground Multi-Service Valve



## Application

This multi-service valve is designed for use in a single opening ASME container with a riser of 2-1/2" M NPT. A separate opening is required for a liquid withdrawal valve.

## Features

The solid brass multi-service valve incorporates:

- double back check filler valve
- vapor equalizing valve with excess flow
- pressure relief valve with protective cap
- service valve with quality handwheel system
- plugged 1/4" F.NPT gauge boss
- fixed liquid level gauge with 36" DT
- "Junior" size float gauge flange opening. Specify float gauge when ordering
- internal threads accommodate 2-1/2" M NPT riser pipe connection and a 3/4" F.NPT connection for the filling valve opening
- double O-ring service valve: individual replacement system



Pt # CVG-67-0807

## For Liquid Evacuation Kit

Multi-Service Valve for ASME underground propane tank and Liquid Withdrawal Valve for liquid evacuation Kit.



Pt # CVG-67-0807



Pt # CVG-69-0010

Liquid Evacuation Kit

## Ordering Information

Part Number		Tank Connection	Vapor Service Connection	Filler Connection	Fixed Liquid Level Gauge	DT Length	Propane liquid capacity at various differential pressure (GPM)				Pressure Relief Valve Flow Capacity (SCFM) Air		
							10 PSIG	25 PSIG	50 PSIG	75 PSIG	PRV Setting	UL	ASME
CVG-67-0807		2-1/2" M NPT	POL (CGA 510)	1-3/4" ACME	captive	36"	58	98	146	186	250	1918	1808
CVG-68-2005	CVG-67-0807	2-1/2" M NPT	POL (CGA 510)	1-3/4" ACME	captive	36"	58	98	146	186	250	1918	1808
	CVG-69-0010	Container Connection		Outlet Connection		U.L. Closing Flow (Propane)				Wrench Hex Flat			
		3/4" M NPT		1-5/8" UN		20 GPM				1-3/4"			

# Underground Multi-Service Valve with Integrated Evacuation Valve



This multi-service valve is designed for use in a single opening ASME container with a riser of 2-1/2" M NPT. A separate opening is NOT required for a liquid withdrawal valve.

## Features

- Integrated liquid withdrawal valve in the body of the multi-service valve provides easy access
- Integrated service valve in the body of the multi-service valve
- New, compact design. More function in less space!
- 100% brass construction
- Replacement components available (see table below)

The solid brass multi-service valve incorporates:

- double back check filler valve
- vapor equalizing valve with excess flow
- pressure relief valve with protective cap
- service valve with quality handwheel system
- integrated fixed liquid level gauge with 36" DT



Pt # CVG-67-1020

## Ordering Information

Part Number	Tank Connection	Vapor Service Connection	Filler Connection	Internal Threads		Fixed Liquid Level Gauge	DT Length	Propane liquid capacity at various differential pressure (GPM)				Pressure Relief Valve Flow Capacity (SCFM) Air		
								10 PSIG	25 PSIG	50 PSIG	75 PSIG	PRV Setting	UL	ASME
CVG-67-1020	2-1/2" M NPT	POL (CGA 510)	1-3/4" ACME	3/4" NPT L.H. Filler	3/4" NPT Liquid Withdrawal	captive	36"	58	98	146	186	250	1918	1808

## SPARE PARTS FOR MULTI-VALVE

CVG-1609500304	Filler Valve Repair Kit
CVG-1609500305	Vapor Return Valve
CVG-6901900111	Liquid Withdrawal Valve
CVG-7001900217	Safety Pressure Relief Valve



## Multi-Service Valve and Filler Valves



### Multi-Service Valve

Multi-service valve suitable for ASME tanks where a vapor service valve is required. This valve incorporates in the same body a service valve, a vapor withdrawal valve and a fixed level gauge.

#### Features

**Improved Stem Seal** - Two seals - a back seat and an O-ring protect against stem leakage in the service valve portion. When the service valve is fully open, the O-ring is not under pressure, increasing the service life of the O-ring.

**Redesigned Body Configuration** - Installation of the CVG-67-0720 can be performed with a standard 1" socket wrench using the large center wrenching hex.

The extremely low body silhouette (approximately 2-3/4") allows the use of small, economical hoods.

**Convenient Level Gauge** - Top mounting of the fixed liquid level gauge gives easy access.

**Gauge Connection** - The 1/4" F.NPT gauge connection can be plugged or left unplugged for installation of a pressure gauge.

**Fixed level gauge** - Please specify DT length when ordering.

**Sealant** - Pre-applied on the inlet thread.

**Various DT lengths available upon request.**



Pt # CVG-67-0720

### Ordering Information

Part Number	Tank Connection	Vapor Service Connection	Vapor Line Connection	Gauge Boss	Fixed Liquid Level Gauge	Fixed Level Gauge DT Length	Wrench Hex Flat
CVG-67-0720	3/4" M NPT	Female POL CGA 510	1-1/4" M.ACME	1/4" F.NPT	Yes	Customizable Upon Request	1"

### Filler Valves

Pre-applied sealant on the inlet thread.

3/4" M NPT  
Forklift Filler Valve  
Soft seal



Pt # CVG-66-1122

1-1/4" M NPT  
Filler Valve  
Metal to metal seal



Pt # CVG-66-1232

### Ordering Information

Part Number	Container Connection	Line Connection	Wrench Hex Flat	Propane liquid capacity at various differential pressure (GPM)						
				10 PSIG	20 PSIG	25 PSIG	30 PSIG	40 PSIG	50 PSIG	75 PSIG
CVG-66-1122	3/4" M NPT	1-3/4" M.ACME	1-3/4"	17	23	-	28	33	37	-
CVG-66-1232	1-1/4" M NPT	1-3/4" M.ACME	1-3/4"	58	-	98	-	-	146	186
CVG-66-1134 TWO PIECE BODY	1-1/4" M NPT	1-3/4" M.ACME	1-3/4"	54	-	100	-	-	148	190

Rev: 12/21/16, N: 12/12/16

# Snapfill • Filler & Vapor Equalization Valves



## Snapfill

3/4" M NPT Forklift EN 12806

Snapfill Euro-style filler valve for use on motor fuel cylinders.

Faster fill times and reduces injuries from repetitive twisting motion.

Pre-applied sealant on the inlet thread.



Pt # CVG-66-1327

## Ordering Information

Part Number	Container Connection	Line Connection	Wrench Hex Flat
CVG-66-1327	3/4" M NPT	1 3/4" - ACME Ø30-EN12806	1-3/4"

## Filler Valves for Dispensers

### Features

- Double back-check filler valve with integral emergency shut-off ball valve: ALL-IN-ONE SOLUTION.
- Both valves are double back check filler valves that have: (1) a soft seated upper back check, and (2) a metal-to-metal lower back check seat.
- Eliminates the need for installing expensive and un-reliable filler hose adapters as a temporary fix to a failed or leaky filler valve.
- Permits safe filler valve maintenance without tank evacuation.
- These two versions can be used either for underground or above ground



Pt # CVG-66-1261



Pt # CVG-66-1262

## Ordering Information

Part Number	Tank Connection	Filler Connection	Wrench Hex Flat	Propane liquid capacity at various differential pressure (GPM)						
				10 PSIG	20 PSIG	25 PSIG	30 PSIG	40 PSIG	50 PSIG	75 PSIG
CVG-66-1261	1-1/4" NPT	1-3/4" 6 ACME	1-13/16"	54	-	98	-	-	146	186
CVG-66-1262	1-1/4" NPT	1-3/4" 6 ACME	1-13/16"	54	-	98	-	-	146	186

## Vapor Equalization Valve

Upper back check valve and lower excess flow valve combined.

Pre-applied sealant on the inlet thread.



Pt # CVG-66-1206

## Ordering Information

Part Number	Tank Connection	Filler Connection	Wrench Hex Flat
CVG-66-1206	3/4" M NPT	1-1/4" 5 ACME	1-1/4"



## Filler Valves with Overfill Prevention Device

### For Vertical ASME and DOT Containers

These valves incorporate a standard 1-1/4" flat wrenching hex allowing easy installation from the top with a socket wrench.

*\*When ordering it is necessary to specify tank dimension, mount angle and diameter to determine correct part number.*

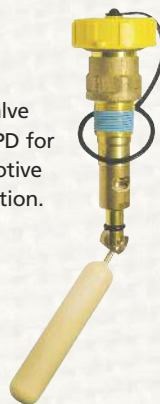


Filler valve for vertical ASME and DOT containers. **Specify tank diameter when ordering.** Suitable for a 300 liter horizontal tank or 119VG tank. They can be fitted to other tank sizes upon request.

Pt # CVG-66-1115



Filler valve with OPD for Automotive Application.



Pt # CVG-66-1154



Remote Filler valve with OPD for Automotive Application.



Pt # CVG-66-1157

### Ordering Information

Part Number	Tank Connection	Filler Connection	Wrench Hex Flat	Specify tank dimension when ordering
CVG-66-1115	3/4" NPT	1-3/4" ACME	1-3/4"	*
CVG-66-1154	3/4" NPT	1-3/4" ACME	1-3/4"	*
CVG-66-1157	3/4" NPT	1/2" SAE	1-1/16"	*
CVG-66-1272	3/4" NPT	1/2" SAE	1-1/16"	*

\* Specify when ordering

### For Horizontal and Vertical LPG Containers

These filler valves are designed for horizontal and vertical LPG containers. All the valves are equipped with an overfill prevention device.

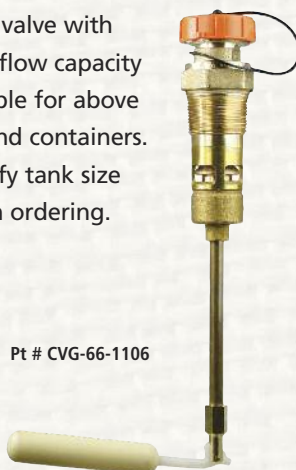
*\*Always specify the type of tank (horizontal or vertical), diameter of the tank and location of the filler valve in the flange of the tank.*

Filler valve suitable for underground tank. The extended body allows an easier refilling operation.



Pt # CVG-66-1101

Filler valve with high flow capacity suitable for above ground containers. Specify tank size when ordering.



Pt # CVG-66-1106

As with other valves that incorporate an OPD, this valve also includes an extended filler valve with a manually operated shut-off ball valve.



Pt # CVG-66-1093

### Ordering Information

Part Number	Tank Connection	Filler Connection	Wrench Hex Flat	Specify tank dimension when ordering
CVG-66-1101	1-1/4" NPT	1-3/4" ACME	1-3/4"	*
CVG-66-1106	1-1/4" NPT	1-3/4" ACME	1-3/4"	*
CVG-66-1093	1-1/4" NPT	1-3/4" ACME	1-3/4"	*

\* Specify when ordering

Rev: 12/21/16, N: 12/12/16

# Internal Pressure Relief Valves & External Devices



## Internal Pressure Relief Valves for ASME and DOT Containers

Designed specifically for use as a primary pressure relief device on ASME containers up to 2000 gallon water capacity. Furnished with a rain cap for protection against contamination. These valves have a pre-applied sealant on the container connection. These valves are ASME approved.



Pt # CVG-66-1128

Pt # CVG-66-1129

Pt # CVG-66-1130

Pt # CVG-66-1135

Pt # CVG-66-1162

### Rain Cap

Rain Caps  
for Internal  
Pressure  
Relief Valves

Part number	For Type
CVG-10-0-950-0203	CVG-66-1128
CVG-10-0-950-0204	CVG-66-1129
CVG-10-0-950-0205	CVG-66-1130
CVG-10-0-110-5032	CVG-66-1135
CVG-30-0-110-0278	CVG-66-0248
CVG-30-0-110-0277	CVG-66-1242

## Ordering Information

Part Number	Container Connection	Start to Discharge Setting PSIG	UL (at 120% of set pressure) Flow capacity SCFM/AIR	ASME (at 120% of set pressure) Flow capacity SCFM/AIR	Wrench Hex Flat
CVG-66-1127	1" NPT	375	1491	n/a	1-5/16"
CVG-66-1128	3/4" NPT	250	2007	1807	1-9/16"
CVG-66-1129	1" NPT	250	2757	2493	1-3/4"
CVG-66-1130	1-1/4" NPT	250	4312	3913	2-1/4"
CVG-66-1242	1" NPT	312	1109	979	1-5/16"
CVG-66-1135	1" NPT	250	864	786	1-5/16"
CVG-66-1162	3/4"-NPT	312	690	690	1-1/16"

## External Pressure Relief Devices



Pt # CVG-66-1139

Pressure relief valve for small containers and on-line pipe installations. Setting point: 250 PSIG.



Pt # CVG-66-1140

Pressure relief valve for small containers and on-line pipe installations. Setting point: 375 PSIG.



Pt # CVG-66-1311

Hydrostatic Pressure relief valve provides pressure relief at or in excess of the stated pressure setting, protecting against line or plumbing system failures.



Pt # CVG-70-0073 (EU19)

External pressure relief valve ASME containers. Setting point: 250 PSIG

## Ordering Information

Part Number	Bottom Male Connection	Wrench grip hexagon	Thread type		Configuration suitable for a tank with a max surface area of:	PRV - Start to Discharge Setting (PSIG)	PRV-OVERPRESSURE 20% CAPACITY SCFM-AIR	Approval	PRV Orifice
			taper	parallel					
CVG-66-1139	1/4-18 NPT	14/16"	X		-	250	296-262	UL/ASME	7/8"
CVG-66-1140	1/4-18 NPT	14/16"	X		-	375	486	UL CGA 51.1	7/8"
CVG-70-0073	3/4-14 NPT	1 13/16"	X		73 sq.ft Aboveground 316 sq.ft Underground	250	1918-1808	UL/ASME	1-13/16"
CVG-66-1311	1/4-18 NPT	9/16"	X		-	440	-	UL	9/16





# Internal Pressure Relief Valves and Connectors



## Internal Pressure Relief Valves for DOT Fork Lift Cylinders

Designed specifically for use as primary relief valve on fork lift cylinders.

A 45° deflector adapter is already included into the body of the valve.

The valve is a one-piece hot forged brass body.



Pt # CVG-66-1027

Designed specifically for use as primary relief valve on fork lift cylinders.



Pt # CVG-66-0248

## Ordering Information

Part Number	Container Connection	Start to Discharge Setting (PS)	UL (at 120% of set pressure) Flow capacity SCFM/AIR	Wrench Hex Flat
CVG-66-1027	3/4" NPT	375	400	1-1/16"
CVG-66-0248	3/4" NPT	375	400	1-1/16"

## Fork Lift Connectors

These brass connectors are designed to join the carburetor fuel line to the service valve.



### Half coupling ACME.

For installation between the LPG engine fuel line and the fork lift service valve.



Pt # CVG-66-1024

### Female coupling ACME.

For installation on the carburetor fuel line.



Pt # CVG-66-1023

## Lawnmower Connectors



### Half coupling Left Hand ACME.

For installation between the LPG engine fuel line and the lawnmower service valve.



Pt # CVG-66-1312

### Female coupling LH ACME.

For installation on the carburetor vapor fuel line.



Pt # CVG-66-1354

## Ordering Information

All the connectors automatically close when disconnected.

Part Number	Inlet A	Outlet B	Normal Application
CVG-66-1024	3/8" F.NPT	1-1/4" M.ACME	Service Valve
CVG-66-1312	3/8" F.NPT	1-1/4" LH M.ACME	Service Valve
CVG-66-1023	1-1/4" F.ACME	1/4" F.NPT	Fuel
CVG-66-1354	1-1/4" LH F.ACME	1/4" F.NPT	Vapor Fuel

## Service Valves • Fixed Liquid Level Gauges



### Service Valves for DOT Fork Lift and ASME Motor Fuel Containers

#### Application

These valves are designed for vapor or liquid withdrawal service on DOT fork lift containers (CVG-80-2064) and ASME containers.

These valves are equipped with an excess flow limiter with different settings. Because these valves do not have an integrated pressure relief valve, they may only be used as an accessory valve on containers that have an independent PRV suitable for that containers capacity (such as CVG-66-0248, CVG-66-1057 or CVG-66-1058 – see pressure relief valves).

#### Features

These valves are supplied with pre-applied sealant on the inlets. The CVG-80-2064 also has pre-applied sealant on the outlet.

**Double O-ring Stem Seal** - Two O-rings form the stem seal for improved resistance to leakage caused by dirt or extreme temperatures.

**Tamperproof Design** - A travel stop keeps the handwheel from being removed which helps to prevent tampering. It also prevents removal of the stem and provides an additional seal against gas leakage.

**Sturdy Quality Brass Handwheel** - Large, sturdy brass handwheel and stem threads less likely to break, even with rough handling.

**Static Seat Disc** - In the CVG-73-0001 Valve the seat disc does not rotate, abrasive wear on the disc is eliminated, improving service life.

**Recessed Excess Flow Valve** - The recessed excess flow valve helps reduce the possibility of mechanical damage or fouling from excess pipe compound.



Pt # CVG-80-2062



Pt # CVG-80-2063



Pt # CVG-80-2064



Pt # CVG-80-2146

#### Ordering Information

Part Number	Container Connection	Outlet Connection	Normal Application	Excess Flow Closing
CVG-80-2063	3/4" M.NGT	3/8" SAE Flare (70)	ASME Motor Fuel	3.3 GPM
CVG-80-2062		3/8" SAE Flare (90)	ASME Motor Fuel	3.3 GPM
CVG-80-2146		POL (CGA 510)	ASME Motor Fuel	1.5 GPM
CVG-80-2064		3/8" 18 NPT	DOT Fork Lift	2.6 GPM

### Fixed Liquid Level Gauges

Special DT length available.

An optional instruction plate may be ordered for use with these valves. These valves incorporate a No. 54 drill size orifice.

Captive screw.



Pt # CVG-66-1072

Remote outgauge.  
Captive screw.



Pt # CVG-66-1161

Part Number	Container Connection	Outlet Connection	DT Length
CVG-66-1072	1/4" M NPT	-	12"
CVG-66-1116	1/4" M NPT	-	5.4"
CVG-66-1117	1/4" M NPT	-	6.6"
CVG-66-1118	1/4" M NPT	-	3.8"
CVG-66-1119	1/4" M NPT	-	4.1"
CVG-66-1120	1/4" M NPT	-	5.6"
CVG-66-1121	1/4" M NPT	-	6.9"
CVG-66-1204	1/4" M NPT	-	Without
CVG-66-1125	1/4" M NPT	-	5.2"
CVG-66-1161	1/4" NPTF	1/4" SAE Flare	Without



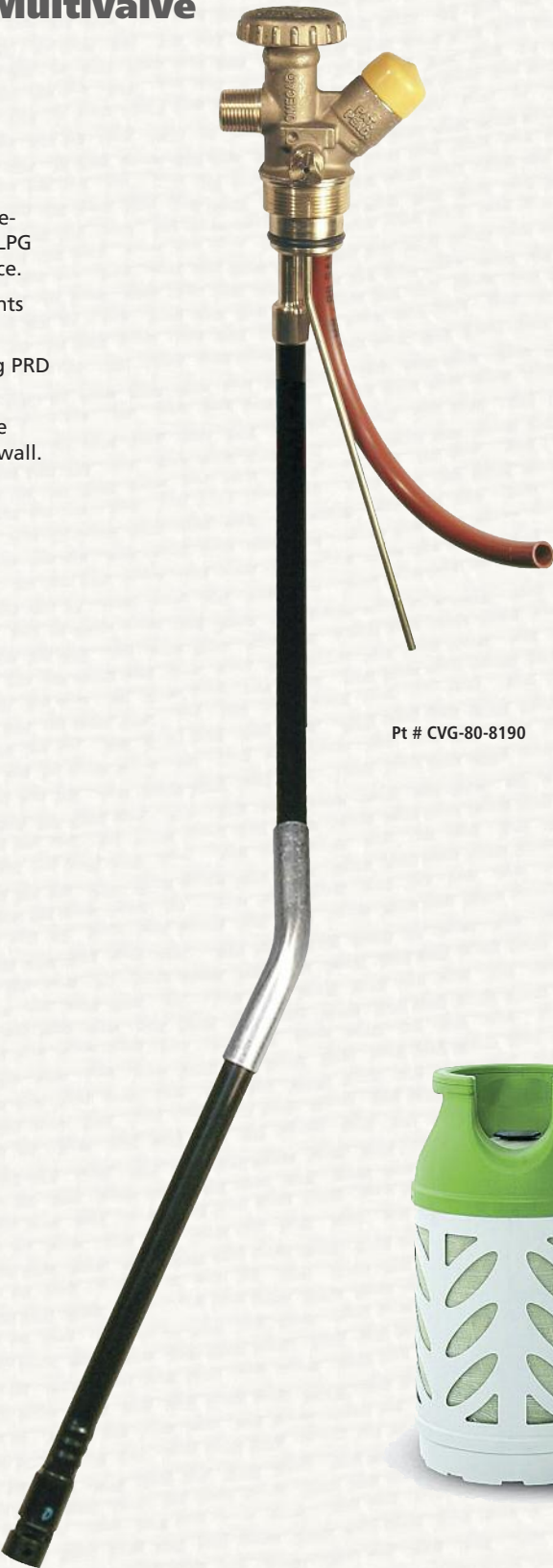


# Fork Lift DOT Multivalve



### Application and Description

- Designed specifically as a “One-Hole” solution for composite LPG cylinders in DOT fork lift service.
- One hole solution - fewer points for potential leaks.
- Multi function valve, including PRD and Excess Flow Valve.
- Straight threads reduce torque force into composite cylinder wall.



Pt # CVG-80-8190

### Ordering Information

Part Number	Inlet	Outlet	Application
CVG-80-8190	M 34	3/8-18 NPT	DOT Fork Lift

## Liquid Withdrawal Valves with Excess Flow



These valves are designed for liquid withdrawal from stationary containers.



Pt # CVG-69-0010

This new liquid withdrawal valve is designed for liquid evacuation prior to moving the tank. This valve can also be used on permanent installations equipped with an excess flow limiter. Designed according to the latest UL standard.

Pre-applied sealant

This adapter is designed to be used with a CVG-69-0010 liquid withdrawal valve. Fully compatible with the new evacuation valves on the market.



Pt # CVG-66-1109



Pt # CVG-69-0109

This new liquid withdrawal valve is designed for liquid evacuation prior to moving the tank. This valve can also be used on permanent installations equipped with an excess flow limiter. Designed according to the latest UL standard.

Pre-applied sealant

### Ordering Information

Part Number	Container Connection	Outlet Connection	U.L. Closing Flow (Propane)	Wrench Hex Flat
CVG-69-0010	3/4" M NPT	1-5/8" UN	20 GPM	1-3/4"
CVG-66-1109	1-5/8" UN	3/4" NPT	n/a	n/a
CVG-69-0109	1-1/4" NPT	1-5/8" UN	36 GPM	1-3/4"



## Service Valves



### Service Valves for ASME and DOT Containers or Fuel Line Application

Designed specially for vapor withdrawal service on ASME and DOT containers.

Because this valve has no integral pressure relief valve, it may only be used as an accessory valve on containers that have an independent pressure relief valve sufficient for that container's capacity. This valve can also be used as a service valve on a 420 lb. vertical tank or a 300 liter horizontal tank. This valve also incorporates a fixed liquid level gauge.

#### Features

**Double O-ring Stem Seal** - Two O-rings form the stem seal for improved resistance to leakage due to dirt or temperature extremes.

**Sturdy Quality Brass Handwheel** - New large sturdy brass handwheel and stem threads are less likely to break, even with rough handling. Repairable design based upon request.

**Static Seat Disc** - Because the seat disc does not rotate, abrasive wear on the disc is eliminated, improving service life.



Pt # CVG-80-3135



Pt # CVG-80-1199

Open-close valve with POL outlet. Designed for vapor withdrawal only.

#### Ordering Information

Part Number	Tank Connection	Vapor Service Connection	Fixed Liquid Level Gauge	Fixed Level Gauge DT Length
CGA-80-3135	3/4" NGT	POL CGA 510	Not captive	11.1"
CGA-80-3144	3/4" NGT	POL CGA 510	Not captive	5.8"
CGA-80-1199	3/4" NGT	POL CGA 510	N/A	N/A
CGA-80-3149	3/4" NGT	POL CGA 510	Not captive	11.0"
CGA-80-3190	3/4" NGT	POL CGA 510	Not captive	10.0"
CGA-80-3191	3/4" NGT	POL CGA 510	Not captive	10.63"

### Service Valves for DOT Cylinders

DOT cylinder valve for vapor withdrawal up to 100 lb. LPG capacity.



Pt # CVG-80-5016

Heavy duty POL valve with pressure relief valve for 200 lb. propane cylinders. Different DT lengths available.



Pt # CVG-80-6032

#### Ordering Information

Part Number	Cylinder Connection	Outlet Connection	Normal Application	Liquid Level Gauge	DT Length	Relief Setting	UL rated discharge flow capacity (SCFM)
CVG-80-6032	3/4" NGT	Female POL (CGA 510)	DOT cylinder up to 100 lbs	Yes	10.2"	375	765
CVG-80-5016			Service valve on DOT cylinder	Yes	10.6"		366
CVG-80-5064			DOT cylinder up to 100 lbs	No	-		366

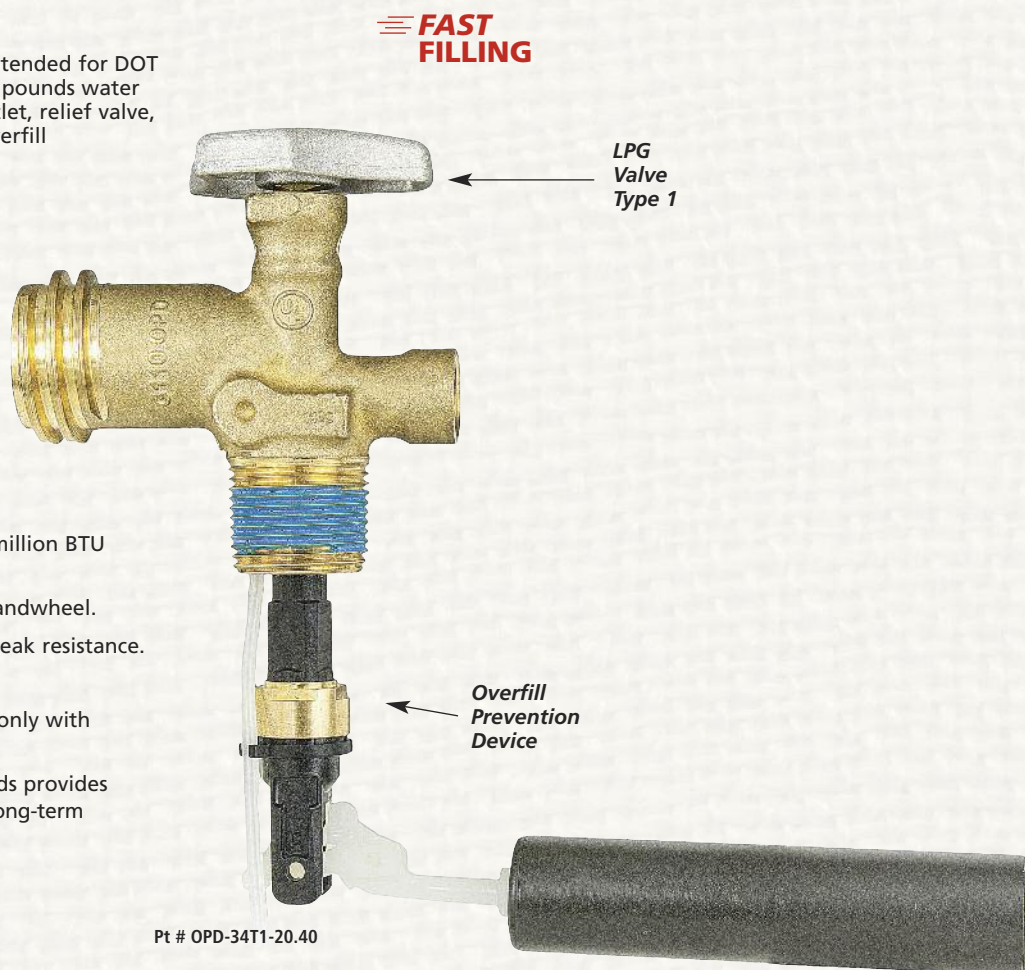
Rev: 12/21/16, N: 12/13/16

## Type 1 ACME Cylinder Valve with Overfill Prevention Device (OPD)

These Type 1 ACME valves (CGA-791) are intended for DOT cylinders up to 40 pounds LPG capacity (96 pounds water capacity). This valve has a vapor service outlet, relief valve, captive fixed liquid level gauge, and an overfill prevention device (OPD).

### Features

- Rapid purging and filling with over one million BTU withdrawal capacity.
- Tri-lobular one-piece forged aluminum handwheel.
- Double "O-ring" stem seal for improved leak resistance.
- Pre-applied sealant.
- Quality "O-ring" check valve seat, opens only with positive seal.
- Brass safety cage surrounding critical welds provides additional protection to components for long-term operational performance.



### Ordering Information

Part Number	Cylinder Capacity	Container Connection	Outlet Connection	Relief Setting	Dip Tube
OPD-34T1-20-4.0	20 lbs	3/4" 14 NGT	Type 1 ACME and POL	375 PSIG	4.0"
OPD-34T1-30-4.7	30 lbs	3/4" 14 NGT	Type 1 ACME and POL	375 PSIG	4.7"
OPD-34T1-40-6.4	40 lbs	3/4" 14 NGT	Type 1 ACME and POL	375 PSIG	6.4"



## Tank Equipment Spare Parts

The manufacturer declines all responsibility for incorrect use or application.  
We recommend using original parts or to replace the whole valve.

### Rain Caps

for Internal  
Pressure  
Relief Valves



Pt # CVG-30-0274  
Pt # CVG-30-0273  
Pt # CVG-30-0276

### Rain Caps

for Internal  
Pressure  
Relief Valves



Pt # CVG-10-5032  
Pt # CVG-10-5036  
Pt # CVG-10-5033  
Pt # CVG-10-5037

### Rain Caps

for Internal Pressure  
Relief Valves



Pt # CVG-10-5038



Pt # CVG-10-0203  
Pt # CVG-10-0204  
Pt # CVG-10-0205

### Ordering Information

Type for	Part number
CVG-66-1029 CVG-66-1129	CVG-30-0273 CVG-10-5033 CVG-10-0204
CVG-66-1030	CVG-30-0274 CVG-10-5036
CVG-66-1128	CVG-30-0274 CVG-10-0203
CVG-66-1031 CVG-66-1130	CVG-30-0276 CVG-10-5037 CVG-10-0205
CVG-66-1057 CVG-66-1058 CVG-66-1127 CVG-66-1135	CVG-10-5032
CVG-66-1162	CVG-10-5056
CVG-66-1027	CVG-10-5056
CVG-66-0248	CVG-10-5038



### Ug Wrench Kit

Valve Socket - 3/4" drive

Fit Multiservice valves for  
ASME underground  
propane tank.

Pt # CVG-5605030021



### Valve Socket

1/2 inch drive

Fits OPD Service Valves and  
Fork Lift Service Valves

Pt # CVG-51C1140001

# Residential/Commercial Twin Stage Regulators

## Twin Stage Regulator – Type CVG-988TW and Type CVG-998TW

### Product description

The twin stage regulator is a regulator consisting of two regulation levels, which regulates the inlet pressure, coming from the withdrawal cylinder or tank directly to the inlet pressure of the user appliance.

Type CVG-988-TW regulators are designed for Type B installations. They are to be used outdoors in correct mounting position with vent-hole turning downwards. In the standard version, Type CVG-988-TW regulators are delivered with vent-hole turned in line with to the outlet fitting. They are the only units which will quickly and easily perform a pressure leak test on the complete system, including the cylinder connection.

### Technical Specifications

**Body And Cover:**

**Aluminum Diaphragm:** Reinforced

**Supplying Pressure:** 25-250 PSIG

**Cover Screws:** Stainless Steel

**Inlet Fitting Screws:** Stainless Steel

**Gas Type:** Propane

**Setting Point:** Inlet Pressure: 10 PSIG, 140,000 BTU  
Outlet Pressure: 11 Inch WC

**Provided Flows:** Flow Based On 10 PSIG (0.69 Bar)  
Inlet Pressure with a 20% Drop  
(In accordance With UL144)

**Type CVG-988TW:** L 6.692 x W 4.33 x H 4.94"  
Weight: 39.75 oz.

**Type CVG-998TW:** L 7.055 x W 5.657 x H 4.964"  
Weight: 54.875 oz.

Type CVG-988TW



Type CVG-998TW



## CVG-988TW & CVG-998TW configuration

Part Number	Capacities in BTU\hr (SCMH) propane	Inlet connection, inches	Outlet connection, inches	Outlet adjustment range, inches W.C. (mbar)	Outlet pressure setting, inches W.C. (mbar)
CVG-988TW - 15	750,000 (8.44)	1/4" NPT	1/2" NPT	9 to 13 (22 to 32)	11 (27)
CVG-988TW - 16 <sup>1</sup>					
CVG-998TW - 20					
CVG-998TW - 11	1,400,000 (15.76)		3/4" NPT		
CVG-998TW - 12 <sup>1</sup>					
CVG-988TW - 28					
CVG-988TW - 17	750,000 (8.44)	POL	1/2" NPT		
CVG-988TW - 18 <sup>1</sup>					
CVG-998TW - 21					
CVG-998TW - 13	1,400,000 (15.76)		3/4" NPT		
CVG-998TW - 14 <sup>1</sup>					
CVG-988TW - 27	450,000 (5.07)	1/4" NPT	3/4" NPT	1 to 2.2 PSIG (0.069 to 0.15 bar)	2 PSIG (0.14 bar)
CVG-998TW - 23	1,460,000 (16.43)	1/4" NPT	3/4" NPT	1 to 2.2 PSIG (0.069 to 0.15 bar)	2 PSIG (0.14 bar)

<sup>1</sup> First and Second-Stage spring case vents opposite gauge taps.



# Industrial LPG Regulator 49 Series

## Industrial LPG Regulator – Type 49HP

### Product description

The 49 series direct operated regulators are designed for high pressure service and can be used on either vapor or liquid applications. Their outlet pressure ranges from 3 to 135 PSIG.

High pressure regulators usually reduce tank pressure to an intermediate pressure for use by another regulator.

**NOTE:** Type 49 regulators do not have internal relief valves, so these regulators cannot be installed in fixed piping serving 0.5 appliance systems.

**Type 492HP** regulator is an adjustable high pressure regulator with handwheel adjustment.

**Type 493HP** regulator is an adjustable high pressure regulator with wrench adjustment and 3 spring ranges from 3 to 100 PSIG.

**Type 494HP** regulator is a fixed high pressure regulator with no field adjustment. It is very compact.

**Type 495HP** regulator is an adjustable high pressure regulator with a dial cap adjustment. This cap eliminates the need for a gauge on portable applications. All types are equipped with a 1/4" FNPT side outlet which is normally plugged and provides an opening for an outlet pressure gauge.

### Technical Specifications

**Body And Cover:**

**Aluminum Diaphragm:** Reinforced

**Supplying Pressure:** 25-250 PSIG

**Cover Screws:** Stainless Steel

**Gas Type:** Propane

**Setting Point:** Inlet Pressure 100 PSIG, 200,000 BTU  
Outlet Pressure 20 PSIG

**Provided Flows:** Flow based on Inlet Pressure 20 PSIG (1.38 Bar) greater than Outlet with 20% drop  
(In accordance With UL144)

**Inlet & Outlet:** 1/4" FNPT

**Type 49HP:** L 2.56 x W 2.89 x H 4.88



Type 492



Type 493



Type 494



Type 495

## 49HP configuration

Part Number	Description	Capacity BTU\hr	Outlet pressure setting	Outlet adjustment range
CVG-492HP - 01	Basic Regulator (Handwheel Adjustment)	650,000	15 PSIG	3-20 PSIG
CVG-492HP - 02		750,000	20 PSIG	3-35 PSIG
CVG-492HP - 03		1,200,000	40 PSIG	30-60 PSIG
CVG-492HP - 04		1,000,000	50 PSIG	50-135 PSIG
CVG-492HP - 05 <sup>1</sup>		750,000	20 PSIG	5-35 PSIG
CVG-493HP - 02	Basic Regulator (Wrench Adjustment)	650,000	15 PSIG	3-20 PSIG
CVG-493HP - 01		750,000	20 PSIG	3-35 PSIG
CVG-493HP - 03		1,200,000	40 PSIG	30-60 PSIG
CVG-493HP - 04		1,000,000	50 PSIG	50-135 PSIG
CVG-493HP - 05 <sup>1</sup>		750,000	20 PSIG	5-35 PSIG
CVG-494HP - 02	Non-adjustable	400,000	10 PSIG	Non-Adjustable
CVG-494HP - 01		400,000	15 PSIG	
CVG-494HP - 03		750,000	20 PSIG	
CVG-495HP - 01	Dial Cap Adjustment	650,000	15 PSIG	5-20 PSIG
CVG-495HP - 02		750,000	20 PSIG	5-30 PSIG
CVG-495HP - 03		1,200,000	40 PSIG	20-50 PSIG

<sup>1</sup> = Inlet M POL

Rev: 12/21/16, N: 12/14/16

# Pigtails and Manifolds



## Copper Pigtails



### Product Description

Pigtails are available in a variety of connections, sizes and style. Select the proper pigtail for a particular application.

**Note:** Recommended to install a new pigtail with every new and replaced regulator.

Connections	Approximate Length	Part Number	
		Part 1/4" tube	
		7/8" Hex Short Nipple	1 1/8" Hex Long Nipple
1/4" Inv. flare + M.POL	20"	CVG-30-A-190-0006	-
	36"	CVG-30-A-190-0007	-
1/4" NPT + M.POL	12"	CVG-30-A-190-0001	-
	20"	CVG-30-A-190-0002	-
M.POL + M.POL	12"	CVG-30-A-190-0004	-
	20"	CVG-30-A-190-0003	-
	48"	CVG-30-A-190-0005	-
		-	CVG-30-A-190-0008

## Multiple Cylinder Manifolds

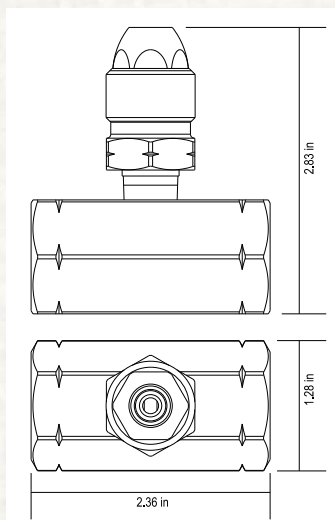


Code: CVG-16-1-190-0184

### Product Description

For use in systems that require uninterrupted gas service during cylinder exchange. Especially for summer cottages, mobile homes and single appliance loads.

Inlet connections: F. POL Outlet connection: M.POL



## T Connection



Code: CVG-41-1-390-0014

### Product Description

TEE fitting: 1/4" Inverted Flarex 1/4" Inverted Flarex 1/4" MPT

- Used for two cylinder application
- Built-in Back-Check Valves allows empty cylinder removal and refill as reserve cylinder remains operational

Code	Packaging	Carton Count
CVG-41-1-390-0014	box	12



## Filler Valves



Pt # CVG-66-1154

**Direct Filler Valve with OPD for Automotive Application.**

Fitted with an OPD device 80% fill limiter. Pre-applied sealant on the container connection.



Pt # CVG-66-1157

**Remote Filler valve with OPD for Automotive Application.**

Incorporates standard 1 1/16" hex wrench flat that allows easy installation from the top with a socket wrench.



Pt # CVG-66-1292

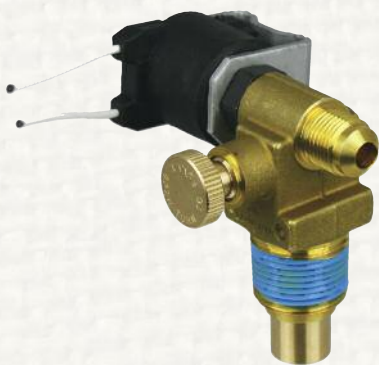
Allows the filling through the EN 12806 Euro connection.

## Ordering Information

Part Number	Tank Connection	Filler Connection	Wrench Hex Flat	Inlet Connection	Specify tank diameter when ordering
CVG-66-1154	3/4" NPT	1-3/4" ACME	1-3/4"	/	*
CVG-66-1157	3/4" NPT	1/2" SAE	1-1/16"	/	*
CVG-66-1272	3/4" NPT	1/2" SAE	1-1/16"	/	*
CVG-66-1292	/	Ø30-EN12806	/	1/2" SAE FLARE	*

\*Full Range of Remote filler valves with OPD available according to tank diameter.  
Please specify tank diameter when ordering.

## Service Valves



Pt # CVG-73-0002

**Solenoid Service Valve:**

Can be fitted to all tank sizes upon request.

Pre-applied sealant on the container connection. Equipped with excess flow and manual shutoff device.

Voltage: 12V



Pt # CVG-80-2146

**Manual Service Valve** equipped with an excess flow device.

Pre-applied sealant on the container connection.

## Ordering Information

Part Number	Container Connection	Outlet Connection	Normal Application	Excess Flow Closing
CVG-73-0002	3/4" - 14 NPT	5/8" UNF (1/2" SAE FLARE)	RV - Automotive	1.4 GPM
CVG-80-2146	3/4" M.NGT	POL (CGA 510)	ASME Motor Fuel	2.6 GPM

# AUTOGAS EQUIPMENT – Valves & Gauges



## Safety Relief Valves



Pt # CVG-66-1242

Equipped with rain cap for protection against contamination.

Pre-applied sealant on the container connection.



Pt # CVG-66-1162

Equipped with rain cap for protection against contamination.

Pre-applied sealant on the container connection.

## Ordering Information

Part Number	Container Connection	Start to Discharge Setting PSIG	UL (at 120% of set pressure) Flow capacity SCFM/AIR	ASME (at 120% of set pressure) Flow capacity SCFM/AIR	Wrench Hex Flat
CVG-66-1242	1" NPT	312	1109	979	1-5/16"
CVG-66-1162	3/4" NPT	312	690	690	1-1/16"

## Fixed Liquid Level Gauges

### Product Description

Pre-applied sealant on the container connection.



Pt # CVG-66-1072

Fixed  
Liquid  
Level  
Gauge



Pt # CVG-66-1161

Remote  
Fixed  
Liquid  
Level  
Gauge

## Ordering Information

Part Number	Container Connection	Outlet Connection	DT Length
CVG-66-1072	1/4" M NPT	-	12"
CVG-66-1116	1/4" M NPT	-	5.4"
CVG-66-1117	1/4" M NPT	-	6.6"
CVG-66-1118	1/4" M NPT	-	3.8"
CVG-66-1119	1/4" M NPT	-	4.1"
CVG-66-1120	1/4" M NPT	-	5.6"
CVG-66-1121	1/4" M NPT	-	6.9"
CVG-66-1204	1/4" M NPT	-	Without
CVG-66-1125	1/4" M NPT	-	5.2"
CVG-66-1161	1/4" NPTF	1/4" SAE Flare	Without



# AUTOGAS EQUIPMENT – Euro Filler • Adapters



## Euro Filler



Pt # CVG-66-1292

Allows the filling through the EN 12806 Euro connection.



Pt # CVG-66-1359

### Bulkhead Mount Euro Valve

Allows the filling through the EN 12806 Euro connection.



Pt # CVG-68-0065

Allows the filling through the EN 12806 Euro connection. Kit includes Black Housing, Cap and Euro Filler Valve

## Ordering Information

Part Number	Filler Connection	Inlet Connection	Specify tank diameter when ordering
CVG-66-1292	Ø30-EN12806	1/2" SAE FLARE	*
CVG-66-1359	Ø30-EN12806	1/2" SAE FLARE	*

## ACME / Euro Adapters

### Product Description

The CVG-16-0320 adapter converts the EN 12806 connection to ACME connection.

Once installed the adapter will prevent any disconnection caused by accidental rotations of the filling head.

The CVG-16-0331 adapter converts the ACME connection to EN 12806 connection.



Pt # CVG-16-0320



Pt # CVG-16-0331

## Ordering Information

Part Number	Female Thread	Male Thread
CVG-16-0-950-0320	M33 x 2	1 3/4 - 6 ACME
CVG-16-0-950-0331	1 3/4 - 6 ACME	EURO EN 12806

# AUTOGAS EQUIPMENT – Accessories & More

## Euro Filler Accessories



Pt # CVG-10-0283

Plastic Housing with Flip Door



Pt # CVG-10-0288

Plastic Housing Flip Door



Pt # CVG-16-0354

Euro Filler Plate



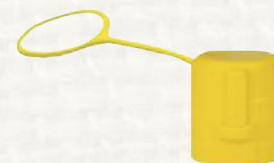
Pt # CVG-10-0287

Plastic Housing Assembly



Pt # CVG-04-5666

Flip Door O-Ring



Pt # CVG-10-5313

Bulkhead Mount Euro Valve Protection Cap

## Dual Check T-Connector

### Product Description

Should two tank pressures become unequal, this connector will draw LPG from the tank with the higher pressure until both pressures equalize.

LPG will then be drawn from both tanks.

Integrated Hydrostatic Pressure Relief Valve.



Pt # CVG-66-1313



## Ordering Information

Part Number	PRV - Setting to discharge setting (PSIG)	Working Temperature	Pipe Connection	Outlet Connection
CVG-66-1313	400	-40° F to +130° F	3/8" SAE Flare	3/8" SAE Flare

## Multivalve

### Product Description

Complete range from 180 to 270 (toroidal version) and from 200 to 360 (cylindrical version).

Double safety due to the absence of transfer gears and plastic mechanisms.

Single solution for all engine capacities.



Pt # CVG-MV20

## Ordering Information

Part Number	Max Working Pressure	Working Temperature	Inlet Connection	Outlet Connection
CVG-MV20	435 PSI	68° F to +149° F	M10 X 1 Pipe Diameter: 6mm Optional 8 mm Pipe Diameter Available	1/4 GAS