

PES

INDUSTRIAL & WHOLESALE GAS EQUIPMENT



**NATURAL GAS & PROPANE
INDUSTRIAL GAS EQUIPMENT**

**3768 SOUTH 300 WEST
SALT LAKE CITY, UT 84115
800-841-6408 | 801-261-4157 | FX 801-262-6871**

1-800-841-6408

www.pesequipment.com

PES
INDUSTRIAL AND WHOLESALE GAS EQUIPMENT

TERMS & CONDITIONS OF SALE

PAYMENT

To customer with established credit, net 30 days from date of invoice. A late charge of 2% per month, which is an annual percentage rate of 24%, will be assessed on all overdue accounts. Customers without established credit will be C.O.D.

PRICES

Prices are subject to change without notice. A minimum billing of \$15.00 per order. A restocking charge of 25% will be assessed on any returned items accompanied with original invoice. Orders will be billed at prices in effect at time of shipment.

SHORTAGE CLAIMS

Claims for shortages must be made within 2 days after receipt of shipment.

WARRANTY

Warranties as expressed by individual manufacturers will be honored.

RETURNED MATERIAL

No material should be returned for credit without Seller's prior approval. Transportation charges must be pre-paid. A restocking charge may apply. Merchandise returned must be accompanied by a Returned Good Authorization (RGA) number, which is given to the customer by PES. Also a copy of the invoice.

TAXES

Buyer shall be liable for all Sales, Use or Excise taxes not included in total invoice price.

SPECIAL ORDERS

On special items we order that are not normally stock items, we cannot accept cancellations or returns.

SHIPPING

The most economical and dependable routing will be used unless customer specifies method of transportation. Title passes to buyer upon delivery of the goods to the carrier. PES is not responsible for merchandise lost or damaged in transit. These claims must be filled with the carrier immediately.

Adaptors		Garage	65	Two Stage Package	
Acme Adaptors	4,7,8,11,14, 15,16	Home		Sherwood	1
Hose Ends	4,7,8,11,14, 15,17,28,42	Empire	69,70,77	Regulator Cover	21,22
Barbecue Grills	61,78,79,80, 81,82,83,84, 85,86,87	Rinnai	71,72,73,75	Ring & Chain	17
BBQ Grills Parts	59	Portable	64,65	Rotogage	29
Bulkheads	4,45	Stock Tank	65	Scale	55
Cable Controls	12	Tank Mounted	64,65	Scareaway Canon	58
Camping		Humphrey Light	69	Spanner Wrench	17
Stoves & Acces.	60,61,63,64 65	Hose Cutter	38	Strainers	42
Caps	4,11,16,21, 22,23,40	Hose Crimping Tool	38	Teflon Tape	40
Carburetion	43,44,45,46	Hoses	20,23,45,46	Test Kit	15,17,34
Chock Blocks	40	Lanterns	63	Test Kit Adaptor	34
Compressors	52,57	Leak Detector	38	Thermocouples	41
Construction	88	Locking Cap	40	Thermometers	16,34
Covers	40	Manometer	34	Tools	38,39
Cylinder Anvil	39,40	Motors	52,53,54	Torches	59
Cylinder Collar Cap	39	Neptune Meter & Parts	47,48,49,50	Trac Pipe	38
Cylinder Stamp	39	Orifice Broaches & Tools	32	Tube Cutter	39
Cylinder Tool	38,39	Orifices	32,33	Tubing	41
Cylinder Vise	38	Orifices Drill Set or Kits	34	Turkey Cooker	62
Decals	35	Paint & Accessories	40	Valves	
Detectors	39	Pigtails Rubber & Copper	20	Angle	7,13,16,24
Dispenser Cabinets	55,56	Pipe Dope	40	Back Check	19
Engineering	88	Plugs	16	Ball	19,31
Fittings		POL Locks	40	Cylinder	3,4,5
Hose	17,23,28,30	Polyethylene Pipe	37	ESV	13
Hose End	17,24,28,30, 44,46	Pressure Gauges	17	Excess Flow	6,18
Flare	30,34	Pumps	51,52,53,54, 57	Filler	5,6,14,15,45
Pipe	31	Refrigerators	39	Gas Cock	31
POL	14,16,27,28 40	Regulators		Globe	16,24
Polethlene	37	Automatic		Hose End	8,13
QCCI	27	Sherwood	2	Internal	12
Quick Disconnect	42	Marshall Brass	21	Liquid Withdrawal	6,7,24
Flex Connectors	41	Commerical, Industrial		Muili Valve	6,7
Gas Match & Fuel	59	Fisher	10	Needle	34
Gas Smoker	61	First Stage		OPD	3
Gauges	8,15,17,26	Sherwood	12	Pullaway	55
Gauge Dials	25	High Pressure		Quick Acting	8
Guage Kits	25,39,40	Fisher	9	Relief	4,5,7,9,11
Gloves	38	Marshall Brass	22	Service	3,4,5
Heaters		Second Stage		Transfer	7
ADP Units	76	Sherwood	1,2	Vapor Withdrawal	6
Agricultural	68	Single Stage		Vaporizer & Parts	37
Camping	64,65	Marshall Brass	2	Vapor Meter	42
Overhead	66	Integral Two Stage		Water Heater	
Construction	67,68	Sherwood	1,2	Rinnai	74
		Marshall Brass	22	ZODI	61



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First Stage Regulators with integral relief valves
Capacity: 1,000,000 BTU/hr Settings: 10 psig
 Used in two-stage systems with the second stage regulators shown below.

Painted red for easy identifications, this regulator has plenty of capacity for a 1000 gallon tank. A regulator with an integral relief valve protects against propane condensation in the first stage line and gives positive indication of regulator malfunction.

This regulator has a 1/8" FNPT pressure port for monitoring outlet pressure
 The inlet is at 12 o'clock, vent outlet at 6 o'clock.

Part #	Inlet	Outlet	Price
800HPS1	POL	1/2"	54.22
800HPS3	POL	3/4"	54.22



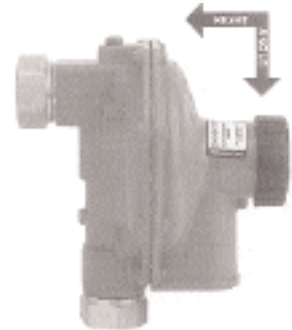
Second Stage Regulators with full-capacity relief valves
Capacity: 800,000 BTU/hr Settings: 11"WC

Second stage regulators are colored green. They have the capacity to handle large loads and all are equipped with full capacity integral relief valves. The full capacity integral relief valve limits outlet pressure to a maximum of 2 psig, even with total regulator seat failure.

They have a 1/8" FNPT pressure port for monitoring outlet pressure. For both straight-thru and back-mount types, the inlet and vent outlet are at 6 o'clock.

The back-mount type is the same as the straight-thru, except that the outlet is at a right angle. This eliminates the need for a mounting bracket, making installation easier and faster.

STRAIGHT-THRU TYPE				BACK-MOUNT			
Part #	Inlet	Outlet	Price	Part #	Inlet	Outlet	Price
800HC	1/2"	1/2"	54.54	800HBC	1/2"	1/2"	56.38
800JC	1/2"	3/4"	N/A	800JBC	1/2"	3/4"	56.38
800NC	3/4"	3/4"	51.54	800NBC	3/4"	3/4"	56.38
800NCS	3/4"	3/4"	48.76	800NBCSR	3/4"	3/4"	54.36



920/921 Integral Two Stage Regulators

Capacity: 550,000 BTU/hr Settings: 11" WC

Combines first stage and second stage regulation into one unit. Ideal for use with installations of large cylinders or stationary 500 and 1000 gallons tanks. The 920/921 Series regulator has a full-capacity relief valve that limits outlet pressure to a maximum of 2 psig, even with total seat failure. It has a 1/8" FNPT port for monitoring outlet pressure of both the high pressure and second stage regulators.

Inlet is at 12 o'clock, vent outlet at 6 o'clock.

Part #	Inlet	Outlet	Price
920	1/4" fnpt	1/2" fnpt	77.68
920A	1/4" fnpt	3/4" fnpt	77.76
921	FPOL	1/2" fnpt	86.28
921A	FPOL	3/4" fnpt	86.34



The convenient way to buy Sherwood regulators

Combination First and Second Stage Package

STRAIGHT-THRU packages			BACK-MOUNTED packages		
Package	Contents	Price	Package	Contents	Price
8001	800HPS1, 800HC	108.76	8034	800HPS1, 800JBC	110.60
8011	800HPS1, 800JC	108.76	8035	800HPS3, 800NBC	110.60

Each package contains one 1680-12 hogtail and one 1776-25 bracket

Each package contains one 1680-12 Hogtail



A carousel of 350 regulators

Order a carousel of all one regulator-or a carousel split between first and second stage regulators (175 if each type),

Part #	175	175	Price
800HPS1HC	800HPS1	800HC	87.50
800HPS1JBC	800HPS1	800JBC	87.50
800HPS3NBC	800HPS3	800NBC	87.50



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INLINE OPD VALVE

3349PLG4.0 \$16.04

Type 1 cylinder valve for 20 lb gas grill cylinder. Has standard internal POL (with internal check valve) and an external 1 5/16" ACME thread. To connect the grill regulator to the valve use the G1851-A02 and G1851-A03 QCC ACME couplers.

3329QLG4.0 \$16.04

Type 2 cylinder valve for 20 lb gas grill cylinder. Has standard springloaded quick-disconnect coupler outlet with internal check valve use the 5LPA-8C quick-disconnect plug.

Inlet: 3/4" NGT Outlet: 5LPA Quick-Disconnect

Part #	Pound Cylinder	Price
3349PLG3.3	5,6,11,11.5	24.66
3349PLG3.6	10,11	24.66
3349PLG4.0	20	16.04
3349PLG4.8	30	18.78
3349PLG6.0	30 ALUM. ONLY	31.52
3349PLG6.5	40	18.78
3349PLG7.0	40 ALUM. ONLY	31.52

Standard Cylinder Valve with Fixed Maximum Liquid Level Gauge

3250CLG116 \$17.76

This valve is equipped with fixed maximum liquid gauge for determining maximum filling level. Valve is shipped with a standard 11.6" dip tube for the average 100 lb. cylinder unless other dip tube length for other size cylinder is specified.

Inlet: 3/4" NGT Outlet: FPOL

3250ALM375 \$70.28

Liquid Withdrawal valve for 100# cylinders with hand operated fixed maximum liquid level gauge and dip tube.

Special 982 (CGA555) male outlet connection for liquid service. Manual vent valve for easier filling. 44" liquid withdrawal tube for 100 lb. cylinder includes excess flow valve.

Inlet: 3/4" NGT
Outlet: Male 982 (CGA 555)



Plumbers Pot Valve with Inlet OPD

3359PLG4.0 \$96.28

Contains a built-in ball type excess flow valve to prevent excessive discharge from cylinder, if hose should rupture.

Has a 4.0" fixed maximum liquid level gauge for standard 20 lb cylinder.

Has 3"-12 external thread for plumber pot attachment.

Has inline OPD to prevent overfilling.

Inlet: 3/4" NGT Outlet: FPOL



6775-60K Replaces bonnet repair kit

\$15.42

3329BDB \$21.60

ASME container shut off valve with replaceable Dual Bonnet. The "BDB" stands for "Backseated Dual Bonnet". Just replace the upper bonnet assembly with the 6775-60K repair assembly while the valve is backseated and fully open - without interrupting the customer's gas flow or having to empty the tank.

Inlet: 3/4" NGT Outlet: FPOL

To convert a standard service valve to a dual bonnet service valve, Order 3429-100K for the complete bonnet assembly as pictured.

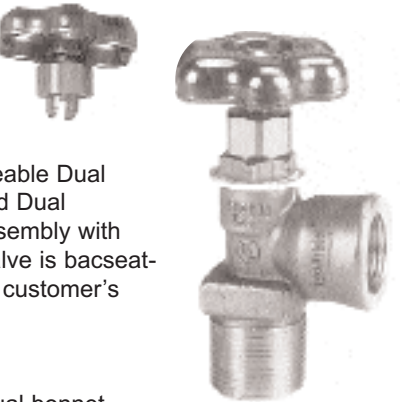
3429-100K Replaceable bonnet assembly

\$18.58

3329D7X \$25.14

Container shutoff valve that has an integral excess flow device but does not have an integral relief valve. These valves are used on small mobile ASME containers with a separate relief valve, such as the 3/4 MNPT 436AR set at 312 psig, that must be provided elsewhere in the container. Does not include a replaceable dual bonnet.

Inlet: 3/4" NGT Outlet: FPOL





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LIFT TRUCK VALVES

1427B \$14.36

This valve allows withdrawal of either liquid or vapor. It has a full internal excess flow check in valve inlet. Capacity is 1.8 gpm.

The 1427B has a large stem and a forged brass body with four sided wrenching pads for ease of installation and removal. A wrench can be attached to the 1427B pads from any one of four directions.

Inlet: 3/4" NGT Outlet: 3/8" NPT
For economy version with smaller bonnet, order 1427C

1449 \$15.10

The 1449 is the economy low profile version of the 1427B. It, too, has a full internal excess flow check valve in the inlet, but a less expensive bonnet and a lighter stem assembly. The wrench pads on the 1449 allow wrench access for only the front or the rear of the valve.

The primary advantage of the 1449 is that it is shorter than the 1427B, allowing empty lift truck cylinders to be stacked without hitting the valve handwheel.

Inlet: 3/4" NGT Outlet: 3/8" NPT

435A \$10.86 or 435L \$40.12

Lift Truck Cylinder Relief Valve

Full internal type relief valve. Supplies with 3/4" M.NPT. inlet connection. Start to discharge pressure is 375 psig. Enough capacity for DOT 33 1/2 lb. and 43 1/2 lb. lift truck cylinders. Pamphlet 58, 2001 edition requires that lift truck relief valves must be replaced 12 years after date of manufacture of the cylinder and every 10 years thereafter. The 435A is the standard relief valve. The 435L is a special version with shortened stem and spring projection from the threaded end. They will fit into the old style cup-type couplings used by Pressed Steel Tank in the late sixties and early seventies.



1428M \$11.52

Male Lift Truck Connector
1 1/4" Acme x 3/8" FNPT
Internal check mechanism is easily replaceable. Connector is interchangeable with REGO 7141M and Fisher M220M, and the body is one piece



1428F \$12.10

Female Lift Truck Coupler
1 1/4" Acme Coupler x 1/4" FNPT
Interchangeable with Rego 7141F and Fisher M220F.
The body is one piece construction.

PIPE AWAY ADAPTORS

435-90 \$2.92 Designed for use with the 435A internal relief valve. Used on horizontal cylinders.

435-45 \$3.10 Designed to be used with the 435A internal relief valve. Used with universal vertical and horizontal cylinders.

Raincaps \$.96

435-45C Raincaps for use with 435-45 or 435-90 pipe away adaptors.

A205 Raincap for use with 435A relief valve or 435-45, 435-90 adaptors

85 Poly vinyl raincap with elastic band



3865 \$7.90

Hydrostatic Relief Valves
Economical small hydrostatic relief valve set at 400 psig. Ideal for use in lift truck liquid fuel lines and in plant piping liquid lines.

Inlet: 1/4" NPT



3866 \$47.64

Double Check Tee with Hydrostatic Relief Valve
This is a bulkhead mounted double check manifold for dual container installations. Check valves prevent flow from one container to the other. Lock nut washers and nut are provided for bulkhead installation.
Connections: 3/8" O.D. Male Flare Setting: 400 psig





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ENGINE FUEL SERVICE VALVES

1447B \$17.90 New full internal excess flow check valve in inlet. Designed for withdrawal of liquid or vapor from engine fuel containers.

Inlet: 3/4" - 14 NGT
Outlet: 3/8" OD Flare
Capacity: 1/8 gpm

1447D Same as the 1447 except it has a built-in hydrostatic relief valve in the seat that will relieve pressure, that could develop from trapped liquid, back into the container.

1447BMF \$25.68 Full internal excess flow check valve in inlet. Specifically designed for ASME engine fuel containers. The angle flare outlet permits use of shorter couplings, lower hoods, and easier connection of flare nuts. Designed for withdrawal of liquid or vapor.

1447DMF Same as above except the valve has a built-in hydrostatic relief valve in the seat that will relieve the pressure that could develop from trapped liquid, back into the container.

EV1448 Solenoid operated liquid withdrawal engine fuel shutoff valve. Equipped with an internal hydrostatic relief valve that relieves any pressure buildup by allowing liquid to flow back into the engine fuel container.

*UL listed *Normally closed
*12 volts DC *1.7 gpm excess flow valve
*inlet-3/4" NGT *outlet - 3/8" OD male flare

325OBC312 \$32.14 Replacement service valve for Small ASME containers for temporary service applications.

This is a specially designed o-ring valve for ASME containers. Jumbo safety relief has a start-to-discharge pressure of 312 psig. It's rated at 705 CFM. Used on temporary engine fuel containers. No longer allowed on new engine fuel container where full internal relief valves are required.

ENGINE FUEL FULL INTERNAL RELIEF VALVES

445A SERIES 1" NPT INLET

445AM Setting: 250 psig
Capacity: 987 CFM

445AR Setting: 312.5 psig
\$23.00 Capacity: 1300 CFM

445AT Setting: 375 psig
\$23.00 Capacity: 1425 CFM



ASME ENGINE FUEL DOUBLE BACKCHECK FILLER VALVES With soft seat on the bottom check

1855SD \$20.26 Equipped with 1 3/4" Acme filling connection and 3/4" NPT container thread. It has a high filling capacity and a one piece body. This valve is used primarily for filling ASME engine fuel containers or portable DOT cylinders. Filling rate is approx. 20 GPM with a 10 lb. differential. Valve comes with a cap with a plastic retaining strap.

1855BRCN The 1855BRCN is a substitute for the 1855SD when used in fender wells for remote filling. It has the bulkhead connection, is more easily connected to the hose assembly (no adaptor needed), has a single back check.

Has a 1 3/4" ACME inlet and a 1/2" OD male flare outlet that allows an easy connection of the engine fuel hose that connects the remote filler valve to the 1/2" OD male flare inlet of the 1855D90 double back check filler valve installed in the trunk-mounted engine fuel container. A remote signal check valve is allowed for remote filling by the 2001 edition of pamphlet 58.

1855SPD \$26.66 Has 3/4" FNPT inlet and 3/4" MNPT outlet for used on passenger care engine fuel tanks where remote filling is required.

1855SD30 Same as 1855 SD above except 1 3/4" Acme is at a 30 degree angle for ease of connection.

1855SD90 For passenger care installations or other installations where remote filling is desirable or required. Inlet is at 90 degree angle to outlet and is 1/2" OD Male Flare for easy hookup of remote connection.





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FIXED MAXIMUM LIQUID LEVEL GAUGES

10A \$3.02 For containers that have a dip tube welded in the vesse, or whre mount-ing is to be done at the maximum allow-able filling level. Has # 54 drill size orifice. Inlet: 1/4" NPT



10D \$916 Same as 10A but with warning label.

10DRF \$18.92 These valves are installed directly into the engine fuel container when remote fixed maximum liquid level gauges are required.

Inlet: 1/4" NPT
Outlet: 1/4" O.D. Flare



10DRF54 Includes a #54 drill orifice when this is not provided in the tank. The 10DRF does not include the #54 drill orifice.

10B5.7" Standard dip tube length for 33 1/2 lb universal or vertical lift truck cylinder.

10B6.9" Standard dip tube length for 43 1/2 lb universal or vertical lift truck cylinders.

10F5.7" Flush Type Standard for 33 1/2 lb universal or vertical lift truck cylinder. Has 5/7" dip tube. Equipped with screw driver slot that allows operator to operate with a screw driver.



10F6.9" Flush type Standard for 43 1/2 lb universal or vertical lift truck cylinders. Has 6.9" dip tube, otherwise same as 10F5.7" . Also has a screwdriver slot.

TSS3169 \$17.46 Stainless steel fixed maximum lequid level gauge and vent valve

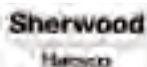
Stainless steel body with vent stem having swivel teflon seat. Roll pin is inserted to prevent accidental removal of the stem assembly. Yet roll pin can be positioned so that it can be tapped on to allow vent stem to be removed for repair or replacement.



VENT STEMS

1931-24A \$1.46 Replacement knurled vent stem and seat assembly. Flts Sherwood,Fisher, or Rego Fixed liquid level vent valves.

1931S-24 Same as 1931-24A except has screwdriver slot to prevent tampering.



ASME CONTAINER FITTINGS

2033CLDB15 \$57.12 Multiple valves for 500 and 1000 gallon tanks

1 1/4" Acme vapor return, fixed maximum liquid level gauge and service shutoff valve, dip tube length: 15".

For a multiple vavle without a vapor return feature, order 2034CL15"

Inlet: 3/4" MNPT
Outlet: FPOL



623B \$31.44 Double check filler valve

1 3/4" acme x 1 1/4" MNPT thread. New design for faster filling.

Capacity: 103 gpm, at 10 psi, differential

Repairable in the field while in the container For check valve repair kit order 623B-100K.



1876 \$26.28 Vapor return and excess flow valve

Has upper check vavle and lower excess flow valve. Attachment of the vapor hose coupling with its projecting nozzle opens that back check vavle to permit flow in bith dircetions. 1 1/4" Acme x 3/4: MNPT inlet



INTERNAL SPRING RELIEF VALVES FOR 250, 500, AND 1000 GALLON TANKS

setting: 250 psig

Part #	Inlet	tank size	capacity CFM Air
433AM	3/4"	250	1970
443AM	1"	500	2510
453AM	1 1/4"	1000	4370



LIQUID WITHDRAWAL EXCESS FLOW VALVES AND ADAPTOR

Used with 2341 series transfer valves and a PA5138 adaptor to evacuate liquid LPG from stationary bulk tanks. Can be installed directly into any liquid withdrawal outlet location at either the top,end, or dottom of the tank. Contains an excess flow valve with a soft rubber seat to minimize leakage when the brass cap that is furnished is removed. The male outlet connection has a 1 5/8" male straight thread for attachment to the PA5138.



5137



seal cap



5136



PA5138



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MULTIPLE VALVES

2030BC11.6 \$45.42 For use on 100# DOT cylinders
 Integral relief valve of rup to 200 lb. cylinders equipped
 with 1 3/4" Acme filler valve for on site filling. Standard
 fixed liquid level gauge dip tube 11.6" for 100 lb. cylinders.
 Double backcheck version gives double protection and
 faster filling.

Inlet: 3/4" MNPT
 Vapor Outlet: FPOL
 Relief Setting: 375 psig

2035S12" For 420# DOT cylinders
 Relief vavle set at 375 psi has sufficient capaciaty for 300
 lb. and 420 lb. DOT cylinders. Specify liquid level dip tube
 length.

Inlet: 1" MNPT
 Vapor Outlet: FPOL
 Relief Capacity: 300 lb. and 420 lb. cylinder
 Relief Setting: 375 psig

2035A250 For small ASME containers
 Has special relief valve set at 250 psi sufficient capacity
 for ASME 100 gallon container. Has 1 3/4" Acme filler
 connection and FPOL vapor outlet. Specify liquid level dip
 tube length.

Inlet: 1" MNPT
 Outlet: FPOL
 Filler valve connection: 1 3/4" ACME
 Relief Setting: 250 psig

431 External Relief Valve
 Inlet: 1" MNPT
 Relief setting: 250 psig
 Capacity: 1720 cfm air

LIQUID TRANSFER VALVE 2341 SERIES

For liquid withdrawal use on consumer bulk containers for
 fueling crop doryers and other liquid applications. High ris-
 ing seat above large port allows for maximum unrestricted
 flow. Side port plugged or furnished with hydrostatic relief
 valve.
 With MSA100 adapter attached to inlet, or the new 5138
 check lock adapator, this valve is ideal for properly actuat-
 ing Chek--Lock type excess flow valves for safe liquid
 transfer.

For hydrostatic relief vavle installed, add suffix "R". For
 2341-100 intergral excess flow valve installed, add suffix
 "X".

Part #	Inlet	Outlet	Hydro. Relief	Integral Excess Flow	Price
2341	3/4"	3/4"	no	no	42.90
2341A	3/4"	1/2"	no	no	48.72
2341R	3/4"	3/4"	yes	no	50.80
2341X	3/4"	3/4"	no	19.5 gpm	54.02
2341RX	3/4"	3/4"	yes	19.5 gpm	61.92



CLUSTER VALVE FOR UNDERGROUND TANKS

2098A \$417.76 is for underground container
 use only. This valve eliminates the need to inter-
 rupt customer's gas service, just to replace the
 seals on the service valve. The 2095A's service
 valve is a separate Sherwood 3329BDB with the
 replaceable Dual Bonnet.

None of the five valves of the 2095A are built in.
 They are standard Sherwood items for easy
 repair or replacement.

*service valve	3329BDB	\$21.60
*vapor return valve	1876	\$26.28
*filler valve	623B	\$31.44
*relief valve	431	
*fixed liquid level gauge	10D	\$9.16

The filler valve has a double back check. The
 relief valve setting is 250 psig and has enough
 capacity for a 1000 gallon underground contain-
 er. A 30: dip tube is included but not installed.
 Overall height (base to top of relief valve) is 6
 3/4".



EMERGENCY UNLOADING ADAPTOR

Attached to all double check filler valves for emer-
 gency unloading through old style multivalves with
 dip tube. It can also be used for purging lift truck
 cylinders equipped with filler valves.

902A 1 3/4" Acme x 3/4" FNPT outlet for
 \$92.64 emergency unloading of ASME containers

903A 1 3/4" Acme x 3/4" FNPT outlet for
 \$86.36 purging lift truck cylinders and engine fuel
 containers.





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FILLER HOSE ADATORS

901BTM \$39.10 Filler hose adaptor w/plastaic grip
 Combines 901B with 901A-2 plastic grip. Easy grip-
 ping with gloved hands.
 Do not use with Fisher N480 hose end valve.

901B \$28.84 Filler hose adaptor

Hose adaptor with integral back check intened for
 attachment to filler valve. Should filler valve on tank
 fail to close, the 901B can be up on filler valve. This
 short coupled adaptor costs less than half the price of
 long adaptors. IT has similar differential drop during
 filling and doesn't need a manual vent. Short size
 allows container hood to be closed if adaptor remains
 on leaky filler valve.
 Do not use with Fisher N480 hose end valve.

Connection: 1 3/4" F Acme x 1 3/4" M Acme

7577V \$71.62

Same as above with a vent valve.



440/440L SERIES QUICK ACTING VALVES

440L series valve has a locking handle. 440 valve
 does not have a locking handle.

Part #	Inlet	Outlet	Price
440	1/4" FNPT	1/4" FNPT	53.70
440L	1/4" FNPT	1/4" FNPT	104.52
440B	1/2" FNPT	1/4" FNPT	62.78
440BL	1/2" FNPT	1/4" FNPT	104.52
440C	1/2" FNPT	1/2" FNPT	62.78
440CL	1/2" FNPT	1/2" FNPT	104.52



LPG FLOAT GAUGES FOR ASME DOMESTIC TANKS

Part #	Container capacity (gallons of water)	Nominal Cylinder Diameter	Gauge Head Style	Price
2281-001	120 150	24"	Threaded 1 3/4" npt Brass head	52.38
2281-002	200 250 325	30"	Threaded 1 1/4" npt Brass head	52.90
2281-003	500	37"	Threaded 1 1/4" npt Brass head	54.22
2281-004	1000	41"	Threaded 1 1/4" npt Brass head	54.22



LPG FLOAT GAUGES FOR LIFT TRUCK CYLINDERS

Part #	Propane capacity & mounting style	Nominal Cylinder Diameter	Gauge Head Style	Price
1284-001	33 1/2# universal	12"	Junior brass head	46.20
1284-002	33 1/2# horizontal	12"	Junior brass head	53.74



Part #	Propane capacity & mounting style	Nominal Cylinder Diameter	Gauge Head Style	Price
2284-001	33 1/2# universal	12"	Threaded 1/4" NPT Brass head	67.22



Sherwood



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HIGH PRESSURE REGULATOR



Description	Capacity Btu/hr Propane	Part Number	Outlet Pressure Setting	Outlet Adjust. Range	Inlet & Outlet Connection	Price
Basic Regulator	2,625,000	64/33	10psig	3-15psig	1/2" fnpt	158.26
	3,600,000	64/35	20psig	5-35psig	1/2" fnpt	158.26
	4,150,000	64/36	40psig	30-60psig	1/2" fnpt	158.26
	5,250,000	64/222	50psig	35-100psig	1/2" fnpt	158.26
With Internal Relief Valve	2,625,000	64SR/21	10psig	3-15psig	1/2" fnpt	178.10
	3,000,000	64SR/22	15psig	5-20psig	1/2" fnpt	178.10
	3,600,000	64SR/23	20psig	5-35psig	1/2" fnpt	178.10
Capacity CHF	1,650	64KB/33	10 psig	3-15 psig	1/2"fnpt	502.68
	2,050	64KB/34	15 psig	5-20- psig	1/2"fnpt	502.68
	2,250	64KB/35	20 psig	5-35 psig	1/2"fnpt	502.68
	2,600	64KB/36	40 psig	30-60 psig	1/2"fnpt	502.68
	3,300	64KB/222	50 psig	35-100psig	1/2"fnpt	502.68
Basic Regulator Wrench ad	750,000	67CW/684	20 psig	3-35psig	1/4" fnpt	50.26
	1,200,000	67CW/685	40 psig	30-60psig	1/4" fnpt	53.04
	1,000,000	67CW/701	50 psig	50-135psig	1/4" fnpt	54.50
Basic Regulator Handwheel	750,000	67CH/743	20 psig	3-35psig	1/4" fnpt	44.64
	1,200,000	67CH/742	40 psig	30-6psig	1/4" fnpt	44.64
	1,000,000	67CH/741	50 psig	50-135psig	1/4" fnpt	44.64
Dial Cap Adj	750,000	67CD/101	20 psig	5-30psig	1/4" fnpt	69.28
	1,200,000	67CD/102	40 psig	20-50psig	1/4" fnpt	69.28
	1,000,000	67CD/103	50 psig	40-100psig	1/4" fnpt	69.28
Non-Adjust	400,000	67CN/106	10 psig	non-adjust	1/4" fnpt	71.78
	600,000	67CN/104	15 psig	non-adjust	1/4" fnpt	71.78
	750,000	67CN105	20 psig	non-adjust	1/4" fnpt	71.78

* Based on inlet pressure greater than outlet with 20% droop.

Liquid capacity 160 gph propane for 64 series; 3-5 gph for 67 series.



FLUSH MOUNTED INTERNAL RELIEF VALVES

Part Number	Container Connection	Start to Discharge Setting	Flow Capacity SCFM air		For tank w.area up to	Protective Cap	Price
			UL	ASME			
H722-250	2" MNPT	250 psig	3,635	3,023	171sq ft	P297	405.10
H722-265		265 psig	3,556	3,386	166 sq ft		405.10
H722-275		275 psig	3,714	3,508	175 sq ft		405.10
H732-250	3" MNPT	250 psig	10,508	9,199	624 sq ft	P298	890.26
H732-265		265 psig	11,220	9,726	676 sq ft		890.26
H732-275		275 psig	11,736	10,076	714 sq ft		890.26

LARGE RELIEF VALVES

Part Number	Container Connection	Service	Construction Material	Start to Discharge Setting	Flow Capacity SCFM Air		For Tank Area Up To:	Price
					UL	ASME		
H282-250	2" MNPT	LP Gas	Brass	250 psig	11,057	9,651	664 sq ft	559.86
H282-275				275 psig	12,221	10,571	750 sq ft	559.86
H5112-250		NH or LP Gas	Stainless Steel	250 psig	11,057	9,651	664 sq ft	853.43
H5112-265				265 psig	11,814	10,203	719 sq ft	853.43
H5112-275				275 psig	12,221	10,571	750 sq ft	853.43



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COMMERCIAL/INDUSTRIAL REGULATORS

Part Number	Capacity BTU/HR Propane(1)	Orifice Size	Inlet & Outlet Connection	Outlet Pressure Range	Outlet Pressure Setting	Price
627-5810	6,080,000(2)	3/8"	3/4" FNPT	5-20 psig	10 psig	407.78
627-6210	10,755,000(2)	1/2"	3/4" FNPT	5-20 psig	10 psig	407.78
627-7710	10,773,000(2)	1/2"	1" FNPT	5-20 psig	10 psig	407.78
630-104/78	14,000,000(2)	1/2"	2" FNPT	8-20 psig	10 psig	1157.22
99-510P	29,295,000(2)	7/8"	2" FNPT	1/4-2 psig	1/2 psig	3214.50
99-513P	36,225,000(2)	7/8"	2" FNPT	2-10 psig	10 psig	3214.50
299H-101	13,100,000(3)	3/4"	1 1/2" FNPT	9-20" w.c.	11" w.c.	1079.22
299H-102	19,700,000(3)	3/4"	2" FNPT	9-20" w.c.	11" w.c.	1289.48
299H-103	23,300,000(4)	3/4"	1 1/2" FNPT	6-16 psig	10 psig	1079.22
299H-104	38,000,000(4)	3/4"	2" FNPT	6-16 psig	10 psig	1289.48
299H-105	20,400,000(5)	3/4"	1 1/2" FNPT	9-20" w.c.	11" w.c.	1079.22
299H-106	20,400,000(5)	3/4"	2" FNPT	9-20" w.c.	11" w.c.	1289.48
299H-107	38,000,000(6)	3/4"	1 1/2" FNPT	6-16 psig	10 psig	1079.22
299H-108	38,000,000(6)	3/4"	2" FNPT	6-16 psig	10 psig	1289.48
S302G-FMC	5,200,000(7)	3/4"	1 1/4" FNPT	6-14" w.c.	11" w.c.	526.00
S302G-KMC	5,500,000(7)	3/4"	1 1/2" FNPT	6-14" w.c.	11" w.c.	526.00
S302G-SMC	5,500,000(7)	3/4"	2" FNPT	6-14" w.c.	11" w.c.	576.10
S202G-BNC	10,600,000(7)	1"	1 1/2" FNPT	9-18" w.c.	11" w.c.	983.18
S202G-CNC	14,500,000(7)	1"	2" FNPT	9-18" w.c.	11" w.c.	1102.12
133L-4	70,875,000(7)	2"	2" FNPT	8 1/2-18" w.c.	14" w.c.	1871.30
133H-1	113,400,000(2)	2"	2" FNPT	1 1/2-3 psig	3 psig	2146.83

1. Capacity based on 20% droop
2. Capacities based on inlet pressure 20 psig greater than outlet pressure
3. Capacities based on inlet pressure 10 psig 150 psig maximum. Internal registration.
4. Capacities based on inlet pressure 20 psig greater than outlet pressure. 150 psig maximum. Internal registration.
5. Capacities based on inlet pressure 10 psig 150 psig maximum. External registration.
6. Capacities based on inlet pressure 20 psig greater than outlet pressure. 150 psig maximum. External registration.
7. Capacities based on inlet pressure 10 psig.





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RELIEF VALVE FOR LIQUID SERVICE

The Type 98H is a self-operated relief valve for use on relief and back pressure applications involving large liquid propane pumping systems and vaporizers. Internal pressure registration eliminates the need for a control line.

Body Size	Relief Pressure Range	Relief Pressure Setting	Part Number	Propane Relief Capacity (GPM) At Following Pressure Buildup Over Relief Setting					Price
				5psig	10psig	20psig	30psig	50psig	
1/2" fnpt	25 - 75 psig	50 psig	98H-17	5.2	8.0	12.6	16.8	23.1	622.04
1/2" fnpt	70-140 psig	100 psig	98H-18	4.2	7.3	13.6	19.2	27.3	622.04
3/4" fnpt	70-140 psig	100 psig	98H-22	30.8	49.0	67.9	79.8	93.1	818.48
1" fnpt	70-140 psig	100 psig	98H-30	30.8	49.0	67.9	79.8	93.1	840.30



98H

EXTERNAL RELIEF VALVES

Used on ASME and DOT containers, all working parts of these valves are outside the container connection so they must be protected against mechanical damage.

Container Type	Start-to Discharge Setting	Container Connection	Part Number	Flow Capacity SCFM Air		Accessories (order separately)		Price
				U.L.	ASME	Pipeaway Adaptor	Protective Cap	
ASME	250 psig	1/4" mnpt	H110-250	310	-----	-----	P206	24.26
ASME	250 psig	1/2" mnpt	H135-250	594	535	P174	P206	43.72
ASME	250 psig	3/4" mnpt	H160-250	605	-----	P174	P206	43.72
ASME	250 psig	3/4" mnpt	H185-250	2,223	2,001	-----	P145	76.22
ASME	275 psig	3/4" mnpt	H185-275	2,456	2,210	-----	P143	76.22
ASME	312 psig	1/4" mnpt	H110-312	390	-----	-----	P206	24.26
ASME	312 psig	1/2" mnpt	H135-312	765	-----	P174	P206	24.26
ASME	312 psig	3/4" mnpt	H160-312	765	-----	P174	P206	43.72
DOT & Hyd	375 psig	1/2" mnpt	H148	903*	-----	P174	P206	43.72
DOT & Hyd	375 psig	3/4" mnpt	H173	903*	-----	P174	P206	43.72
DOT & Hyd	375 psig	1/4" mnpt	H123	-----	-----	-----	P206	24.26
Hydro Rel	120 psig	1/4" mnpt	H120-120	-----	-----	-----	P206	48.94
Hydro Rel	450 psig	1/4" mnpt	H124	-----	-----	-----	P206	24.26
Hydro Rel	450psig	1/2" mnpt	H194	-----	-----	-----	P206	24.26
Hydro Rel	450psig	3/4" mnpt	H174	-----	-----	-----	P206	43.72

* DOT cylinder water capacity 500 lb. approved by bureau of Explosives and CGA.



P174



DIAPHRAGM TYPE RELIEF VALVES

Body Size	Relief Pressure Setting	Relief Adjustment Range	Part Number	Propane Relief Capacity At Following Pressure Buildup Over Relief Setting		Price
				1 psig	15 psig	
1" fnpt	30 psig	10-60 psig	1805-13	-----	2,840 scfh	320.80
2" fnpt	1.0 psig	.5-2.25 psig	289H/2	11,000 scfh	-----	1021.76



FEMALE ACME CAPS

Size F.Acme	Part Number			Price		
	Plastic	Brass	Steel	Plastic	Brass	Steel
1 1/4"	M108	-----	-----	3.18	-----	-----
1 3/4"	M109	M229#	M219#	4.12	30.16	48.00
2 1/4"	-----	M431	M432	-----	102.56	145.32
3 1/4"	-----	M441	M443	-----	132.72	145.32
4 1/4"	-----	M605-34	M625-34	-----	435.08	304.93

#add 1 suffix for P147 ring & chain



M108 or M109



M219 or M229



M431



M432



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INTERNAL VALVES

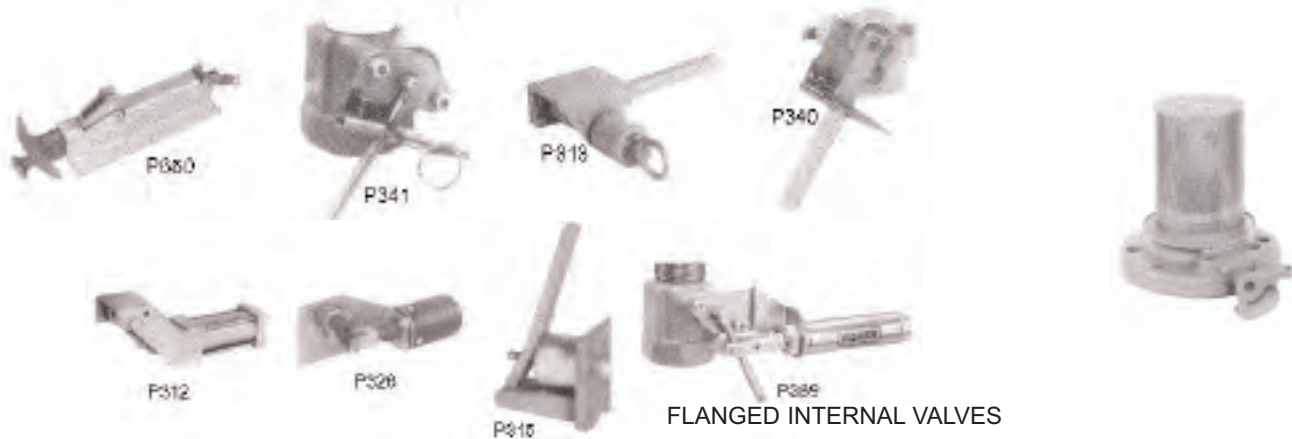
Connections Inlet x Outlet	Type Number*			Closing Flow GPM Propane		Vapor Capacity SCFH Propane	
	Straight Body	Tee Body	Strainer Body	Half Coupling	Full Coupling	25 PSI Inlet	100 PSI Inlet
1 1/4" mnpt x 1 1/4" fnpt	C407-10-03	-----	-----	30	---	5600	9300
	C407-10-05	-----	-----	50	35	7800	13200
	C407-10-08			80	65	11200	19200
2" mnpt x 2" fnpt	C427-16-10	C421-16-10	C402-16-10	100	60	22000	37600
	C427-16-15	C421-16-15	C402-16-15	150	90	32000	54500
	C427-16-25	C421-16-25	C402-16-25	250	130	-----	-----
3" mnpt x 3" fnpt	C427-24-15	C421-24-15	C402-24-15	150	100	29200	49700
	C427-24-20	C421-24-20	C402-24-20	200	125	44400	75400
	C427-24-25	C421-24-25	C402-24-25	250	165	52600	89400
	C427-24-40	C421-24-40	C402-24-40	400	235	81800	139000
	C427-24-50	C421-24-50	C402-24-50	500	325	-----	-----

* Standard unit with manual operating lever and type P134 fusible link. For optional controls, refer to accessories.

Call for Prices



INTERNAL VALVE TYPE NUMBER				
C402, C421, or C427	C403-24	C404-24	C404-32	C407-10
P326-6	P326-5	P326-7	P312	P389
\$549.12	\$381.98	\$552.04	\$890.54	\$158.86



FLANGED INTERNAL VALVES

Tank Connection	Outlet Connection	U.L. Rated Closing Flow, GPM Propane	Vapor Capacity, SCFH at 100 PSIG Inlet	Means of Actuation	Type Number		Price
					Single Flange Body	Double Flange Body	
3" 300 lb ansi rf modified flange (13/16" dia bore	3" 300 lb ansi RF flange	150, 200, 250, or 400	64, 100 with 200 gpm spring	Manual, cable or air	C404-24	-----	3002.54
						C403-24	3353.04
4" 3-- lb ansi rf modified flange 5 7/8" dia bore	4" 300 lb ansi RF flange	340, 400, 600 or 800#	108, 600 with 400 gpm spring	Cable Control	C404-32		3168.48
				Air	C404A32		4054.02
				Manual	C404M32		3542.53

#Closing flow vertical down. Contact factory for flows in horizontal position, vertical up, or with screen removed.



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HOSE END VALVES

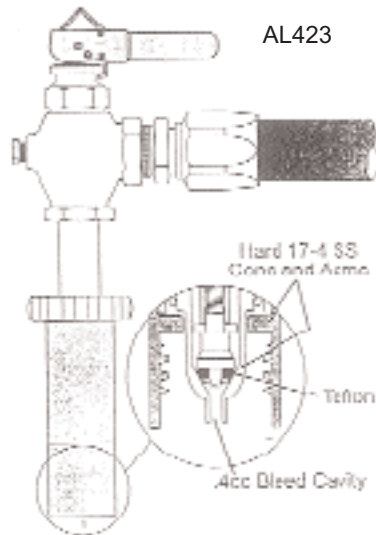
Intended for LP-gas hose end service, these acting shutoff valves are available in globe or angle body styles. Body sizes from 1/2" to 1".

A special locking clip or a spring actuated locking handle minimizes the chance of accidental opening.

AL343, AL422, AL423 and AL424 minimize LP-gas leakage when disconnecting by locating the seat disc in the bottom of the filler coupling.



AL343



AL423

Part #	Inlet Connection	Outlet Connection	Body Style	Price
AL343	1" FNPT	1 3/4" F.ACME	ANGLE	476.42
AL422	3/4" FNPT	POL	ANGLE	541.78
AL423	3/4" FNPT	QCC	ANGLE	581.12
AL424	3/4" FNPT	1 3/4" F.ACME	ANGLE	485.72



N550
(Valve Closed)



N550[™]/P327D



N550[™]/P327C

SNAPPY JOE EMERGENCY SHUTOFF VALVES FOR BULK PLANTS

Part Number	Body Size	Flow in GPM Propane		Price
		1 PSID	2 PSID	
N550-10	1 1/4" FNPT	50	75	667.88
N550-16	2" FNPT	75	115	1500.98
N550-24	3" FNPT	100	275	2029.88



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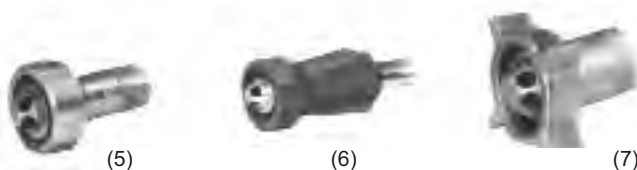
FEMALE ACME FILLER COUPLINGS

Female ACME	Other Connection	Length	#	Part Number		Price	
				Brass	Steel	Brass	Steel
1 1/4"	3/8" mnpt	3"	(1)	M100	----	21.60	----
1 1/4"	1/2" mnpt	2 1/2"	(1)	M101	----	21.60	----
1 3/4"	1/2" mnpt	3"	(1)	M110	----	23.84	----
1 3/4"	3/4" mnpt	3"	(1)	M111	M631-6	24.70	85.21
1 3/4"	3/4" mnpt	6 1/8"	(2)	----	M635-6	----	85.48
1 3/4"	1" mnpt	3"	(1)	M112	M631-8	27.44	59.32
1 3/4"	1" mnpt	7"	(2)	----	M635-8	----	68.26
2 1/4"	1 1/4" mnpt	3 1/4"	(3)	M120	M121	92.42	99.16
3 1/4"	1 1/4" fnpt	1 1/2"	(4)	M442	----	160.40	----
3 1/4"	2" mnpt	3 3/4"	(3)	M130*	M133	137.86	126.16
4 1/4"	3" mnpt	4 1/2"	(4)	M664-24	M634-24	551.24	451.98

*Steel nipple

SINGLE PIECE POL ADAPTORS

POL Connection	Other Connection	#	Part Number	Price
Female POL	1/4" fnpt	(9)	M301	9.32
Female POL	1/2" fnpt	(9)	M303	13.14
Female POL	1/4" mnpt	(10)	M284	6.58
Female POL	3/8" mnpt	(10)	M285	7.82
Female POL	1/2" mnpt	(10)	M286	7.82
Female POL	3/4" mnpt	(10)	M287	7.96
Male POL	1/2" fnpt	(11)	M357	8.78
Male POL	3/8" SAE fl	(12)	M353	10.92
Male POL	1/2" SAE fl	(12)	M355	11.88



FEMALE ACME VAPOR RETURN COUPLINGS

Female Acme	Male NPT	Length	#	Part Number		Price	
				Brass	Steel	Brass	Steel
1 1/4"	3/8"	2 1/2"	(5)	M140	----	19.74	----
1 1/4"	3/8"	6 1/4"	(6)	M394	----	250.18	----
1 1/4"	1/2"	2 1/2"	(5)	M141	M640-4	19.74	202.60
1 3/4"	3/4"	3 3/8"	(5)	M150	----	51.10	----
1 3/4"	3/4"	7"	(6)	----	M646-6	----	261.92
1 3/4"	1"	3 1/4"	(5)	M151	M641-8	51.12	149.81
1 3/4"	1"	7 3/8"	(6)	----	M646-8	----	376.27
2 1/4"	1 1/4"	3 3/8"	(7)	M160	----	112.48	----



MALE ACME ADAPTORS

Male Acme	Washer Drawing #	#	Part Number		Price	
			Brass	Steel	Brass	Steel
1 1/4x1 1/4"	1E8122	(8)	M270	----	35.96	----
1 3/4x1 3/4"	1E8124	(8)	M273	M536-14	34.64	102.22
2 1/4x2 1/4"	1E8126	(8)	----	M536-18	----	125.48
3 1/4x3 1/4"	1E8128	(8)	----	M536-26	----	209.80
4 1/4x4 1/4"	T10948	(8)	----	M536-34	----	435.75



QUICK CLOSING COUPLINGS

These units are installed on LP-gas motor fuel lines, especially lift truck systems, to provide a quick closing coupling in the fuel line. The M220M goes on the service valve outlet, while the M220F connects to the motor fuel line. Both couplings have an internal check valve that opens by attaching the two units together. When disconnected, spring force and pressure close the checks.

Inlet Connection	Outlet Connection	#	Part Number	Price
3/8" fnpt	1 1/4" M.Acme	(13)	M220M	19.92
1 1/4" F.Acme	1/4" fnpt	(14)	M220F	22.58



POL FILLER COUPLING

Male POL	Male NPT	Length	#	Part #	Price
Soft Nose	1/4"npt	6"	(15)	M390	70.60
Soft Nose	1/4"npt	6"	*	M390S	85.22

Replacement o-ring T12945 T0012

*Steel Nipple

FILL FITTING

Part Number	Description	#	Price
G-820	Fill fitting 20 lb. cylinder	(16)	65.06
M392	Acme fill adaptor fitting	(17)	24.20



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(1)



(2)



(3)



(4)



(5)

ADAPTOR CAPS

Female Acme	Male Acme	#	Part Number		Price	
			Brass	Steel	Brass	Steel
2 1/4"	1 3/4"	(1)	M611	----	105.42	----
3 1/4"	1 3/4"	(1)	M612	M622	128.36	229.72
4 1/4"	3 1/4"	(1)	M613	M623	625.58	384.33

FILLER HOSE ADAPTOR

Intended for the outlet or bobtail truck filling hose, the M570 enables the filling hose to be removed if the filler valve fails to close. An integral back check in the adaptors prevents gas from escaping in the event of a failure of the filler valve.

Filler Valve Connection	Hose End Valve Connection	Body Material	#	Part Number Brass	Price
1 3/4" F.Acme	1 3/4" M.Acme	Brass	(4)	903A	86.36

MALE ACME x FEMALE NPT ADAPTORS

Male Acme	Female NPT	#	Part Number		Washer Drawing	Price	
			Brass	Steel		Brass	Steel
1 1/4"	1/4"	(3)	M498-4/2	----	1E8122	27.10	----
1 1/4"	3/8"	(3)	M498-6/3	----	1E8122	27.10	----
1 1/4"	1/2"	(3)	M192	----	1E8122	69.96	----
1 1/4"	3/4"	(2)	M193	----	1E8122	64.48	----
1 3/4"	1/4"	(2)	M210	----	1E8124	14.76	----
1 3/4"	3/8"	(2)	M211	----	1E8124	15.02	----
1 3/4"	1/2"	(2)	M212	----	1E8124	15.04	----
1 3/4"	3/4"	(2)	M213	M526-6	1E8124	16.46	87.99
1 3/4"	1"	(2)	M214	M526-8	1E8124	15.90	151.51
2 1/4"	1"	(3)	M502-12/8	----	1E8126	86.80	----
2 1/4"	1 1/4"	(3)	M502-16/10	M522 16/10	1E8126	78.86	155.59
2 1/4"	1 1/2"	(3)	M502-16/12	----	1E8126	82.06	----
3 1/4"	1 1/4"	(2)	M250	----	1E8128	131.26	----
3 1/4"	2"	(2)	M252	M528-16	1E8128	78.86	155.59
3 1/4"	3"	(2)	M508-24	M528-24	1E8128	183.56	228.79
4 1/4"	3"	(2)	M509-24	M529-24	T10948	443.44	348.49

FILLER VALVE ADAPTOR

Allows Methanol to be added through conventional designed double back check filler valves with a 1 3/4" male acme filler connection.

Filler Valve Connection	Outlet Connection	#	Part Number	Price
1 3/4" F.Acme	3/4" MNPT	(5)	M450A	265.44

MALE ACME x MALE NPT ADAPTORS

Male Acme	Female NPT	#	Part Number		Washer Drawing	Price	
			Brass	Steel		Brass	Steel
1 1/4"	1/2"	(3)	M498-4/2	----	1E8122	27.10	----
1 1/4"	3/4"	(3)	M498-6/3	----	1E8122	27.10	----
1 1/4"	1"	(3)	----	M520-8	1E8122	----	124.94
1 3/4"	1/2"	(3)	----	M521-4	1E8124	----	91.80
1 3/4"	3/4"	(3)	M215	M521-6	1E8124	19.90	51.67
1 3/4"	1"	(3)	M216	M521-8	1E8124	19.90	40.08
1 3/4"	1 1/4"	(3)	M217	M521-10	1E8124	19.94	59.54
2 1/4"	1 1/4"	(3)	M233	M236	1E8126	73.02	98.70
2 1/4"	1 1/2"	(3)	M502-12/8	----	1E8126	86.80	----
2 1/4"	1"	(3)	M502-16/10	M522 16/10	1E8126	78.86	100.47
3 1/4"	2"	(3)	M503-16	M263	1E8128	86.06	250.02
3 1/4"	3"	(3)	M262	M523-24	1E8128	177.04	274.52
4 1/4"	3"	(3)	M504-24	M524-24	T10948	504.27	324.50



TEST GAUGE ASSEMBLIES

The Type 50 series is used to check appliance line pressure after the regulator has been installed.

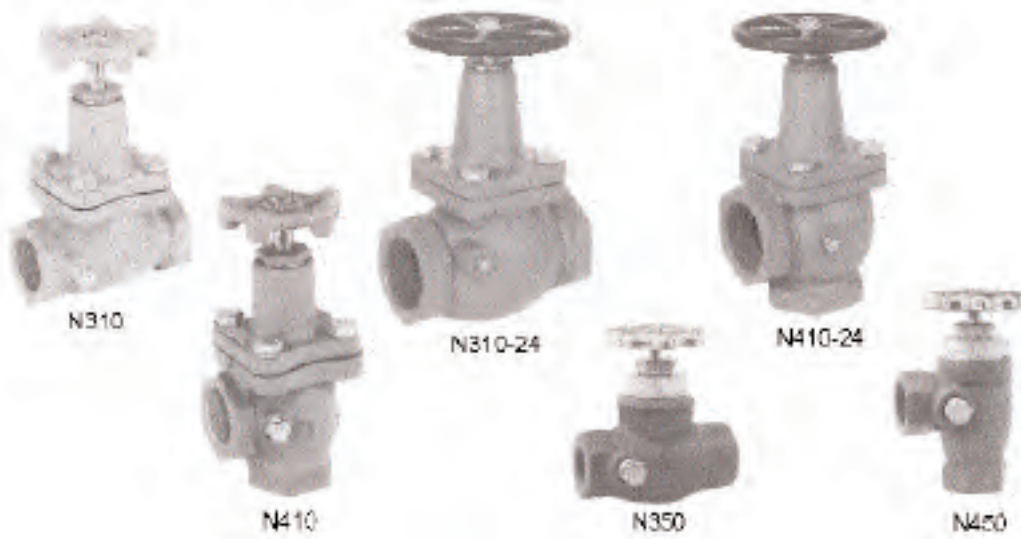
Inlet Connection	Part Number	Hose	Plastic	Price
1/4" MNPT	50-2	No	No	134.93
Female	50P-2	Yes	Yes	165.67
Hose	50P-5	Yes	No	136.40



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GLOBE & ANGLE VALVES

Service	Inlet & Outlet Connections	Part Number		Price	
		Heavy Duty Version		Globe	Angle
		Globe	Angle		
LP-Gas & NH3	1/2" FNPT	N301-04	N401-04	187.70	193.16
LP-Gas & NH3	3/4" FNPT	N301-06	N401-06	187.70	193.16
LP-Gas & NH3	1" FNPT	N301-08	N401-08	195.82	195.82
LP-Gas & NH3	1 1/4" FNPT	N310-10	N410-10	323.42	323.42
LP-Gas & NH3	1 1/2" FNPT	N310-12	N410-12	532.82	532.82
LP-Gas & NH3	2" FNPT	N310-16	N410-16	473.34	473.34
LP-Gas & NH3	3" FNPT	N310-24	N410-24	1553.74	1553.74
LP-Gas & NH3	3" ANSI Flange	N310F-24	N410F-24	2682.23	2606.32
LP-Gas	1/2" FNPT	N350-04#	N450-04#	123.30	123.30
LP-Gas	3/4" FNPT	N350-06#	N450-06#	123.30	123.30

Economy Version not Heavy-Duty Version



M178 Series M535-34



M412P
M420



J700 or J701

DUST SEALS & PLUGS

Size M.Acme	Dust Seal* Plastic	Plug Steel	Price	
			Plastic	Steel
1 1/4"	M178	---	20.20	----
1 3/4"	M179	M239 #	15.18	33.96
2 1/4"	M180	---	18.20	-----
3 1/4"	M181	---	22.96	-----
4 1/4"	---	M535-34	-----	365.92

*For LP-gas service only.

#Aluminum

POL PLUGS & CAPS

Part Number	Description	Price
M412P	Male POL cylinder valve plug, plastic with ring & chain	14.80
M412	Male POL cylinder valve plug, brass, and 1 suffix for ring and chain	5.45
M420	Female POL cap brass	29.77

CONTAINER THERMOMETERS

For all sizes of stationary and mobile tanks, these thermometers are suitable for both LP-gas and NH3 service. The 2" diameter dial is calibrated -40 to 120 degrees, and -40 to 50 degree C. The thermometers are dust-proof and moisture proof.

Container Connection	Stem Length	Part Number	Price
1/2" MNPT	4"	J700	98.08
1/2" MNPT	6"	J701	98.08



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HOSE COUPLINGS

Coupling	Size	Hose I.D.	Approx.	Part	Price
Clamp Type Standard Outlet	1/2" MNPT	1/2"	15/16"	M3162-08	27.50
	3/4" MNPT	3/4"	1 1/4"	M3162-12	33.44
	1" MNPT	1"	1 1/2"	M3162-16	49.02
	1 1/4" MNPT	1 1/4"	2"	M3162-20	76.34
	1 1/2" MNPT	1 1/2"	2 1/4"	M3162-24	93.94
	2" MNPT	2"	2 3/4"	M3162-32	89.04
Clamp Type Swivel Nut Outlet	3" MNPT	3"	3 3/4"	M3162-48	235.70
	1 3/4" F.Acme	3/4"	1 1/4"	M3162-12S	136.77
	3 1/4" F.Acme	2"	2 3/4"	M3162-32S	217.16
	3 1/4" F.Acme	2"	2 3/4"	M3162-32B*	203.44
	4 1/4" F.Acme	3"	3 3/4"	M3162-48S	399.89

* Brass nut, steel nipple. All other steel.
Maximum allowable working pressure 350 psig



M3162 (Std Outlet)



M3162 (Swivel Nut Outlet)

RING & CHAIN ASSEMBLIES

For Cap or Dust Seal Size	Part Number	For Fisher Type		Part Price	Cap Price	Dust Price
		Cap	Dust Steel			
1 1/4" Acme	P147	M108	M178	4.80	3.18	20.20
1 3/4" Acme	P147*	M109 or M219	-----	4.80	4.12	-----
1 3/4" Acme	P148*	M109	M179	5.42	4.12	15.18
2 1/4" Acme	P148	-----	M180	5.42	-----	18.20
2 1/4" Acme	P167	M431 or M432	-----	19.30	102.56	-----
3 1/4" Acme	P183	-----	M181	21.41	-----	22.96
3 1/4" Acme	P167	M441 or M443	-----	19.30	132.72	-----
4 1/4" Acme	P167	M605-34,	-----	19.30	435.08	-----
4 1/4" Acme	P167	M625-34 &	-----	19.30	304.93	-----
4 1/4" Acme	P167	M535-34	-----	19.30	365.42	-----

* P147 fits 3/4" pipe size. P148 fits 1 1/4" pipe size



P147 or P148



P167



J600



600V



SPANNER WRENCH

Used to tighten and loosen large female Acme caps and couplings in the 2 1/4", 3 1/4", and 4 1/4" sizes.

PRESSURE GAUGE ADAPTOR AND TEST BLOCK

Part Number	Description	Price
J600	Male POL by Female POL, test block with 0-300 psig gauge	71.20
600V	Test block w/J506	55.04

Part Number	Overall Length	Construction	Price
P120B	18"	Aluminum	71.78



Bottom Connection



Back Connection

PRESSURE GAUGE RANGE, PSIG

0-15	0-30	0-60	0-160	0-300	0-400
J500	J501	J502	J504	J506	J542*
\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$90.15

PRESSURE GAUGE RANGE, PSIG

0-15	0-30	0-60	0-160	0-300
J510	J511	J512	J514	J516
\$15.22	\$15.22	\$15.22	\$15.22	\$15.22



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EXCESS FLOW VALVES

Excess flow check valves are intended to close upon excessive discharge of vapor or liquid resulting from a break in the hose or piping system. They are used to protect cylinder, tank, and piping systems, and the valves are available in a large variety of sizes and body configurations. When flow exceeds the valves setting, the valves closes and remains closed until the system equalizes. A built-in equalizing passage automatically opens the valve once pressure on both sides of the poppet are equal.

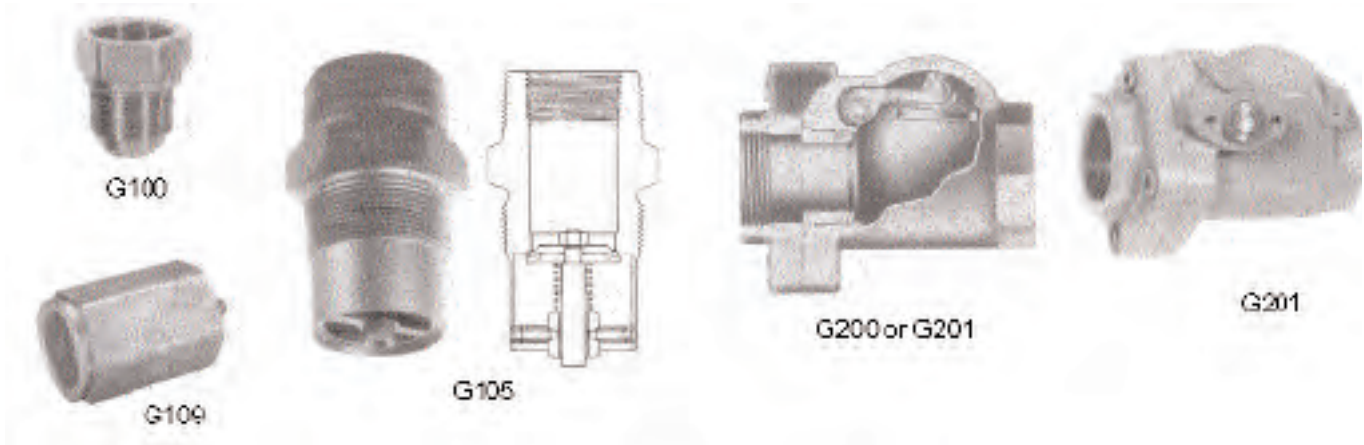
Note: A break or leak downstream of an excess flow valve will not actuate the valve and could cause a hazardous condition. For this reason, system operator should be familiar with the shutoff valves in the system so that necessary precautions can be taken on an emergency. Care must be taken to be sure the valves closing flow rating is less than the capacity of the LP-gas or NH3 system in which the valve is installed. Brass valves are not suitable for NH3 applications.

Application	Inlet Connection	Outlet Connection	Part Number		U.L. Rated Closing Flow, Propane (Horizontal Position)			Price
					Liquid GPM	Vapor SCFH		
			Brass	Steel		25 Psig Inlet	100 Psig Inlet	
Portable Service (Torches burners, etc.)	Male POL	9/16"-18UNF LH	F110	----	0.7	120	204	15.03
	Male POL	9/16"-18UNF LH	F183	----	1.5	335	570	15.27
	Male POL	1/4" MNPT	F173	----	0.7	120	204	14.62
	Male POL	1/4" MNPT	F181	----	1.5	335	570	14.05
	Soft Nose Male POL	9/16"-18UNF LH	F110A	----	0.7	120	204	35.35
	Soft Nose Male POL	1/4" MNPT	F173A	----	0.7	120	204	31.77
In-Line	1/4" MNPT	1/4" FNPT	F138	----	1.8	377	641	48.38
In-Line	Male POL	1/2" SAE Flare	F202	----	1.9	634	1,100	58.30
Tanks (Full or Half Coupling)	3/4" MNPT	3/4" FNPT	F170	----	6.6	1,184	2,012	48.38
	3/4" MNPT	3/4" FNPT	F100	----	8.4	2,010	3,417	28.66
	3/4" MNPT	3/4" FNPT	F101	----	20	3,459	5,880	28.66
	1 1/4" MNPT	1 1/4" FNPT	F102	----	33	6,300	10,630	229.04
	1 1/4" MNPT	1 1/4" FNPT	F105	----	55	9,982	16,967	83.48
	2" MNPT	2" FNPT	F106	----	85	18,513	31,467	162.44
	2" MNPT	2" FNPT	F107	----	100	20,796	35,349	156.62
In-Line	1" FNPT	1" FNPT	F130	----	25	5,287	8,986	238.86
In-Line	1 1/2" FNPT	1 1/2" FNPT	F131	----	60	11,694	19,877	457.64
In-Line	2" FNPT	2" FNPT	F132	----	95	19,874	33,877	444.37
In-Line	2" FNPT	2" FNPT	F133	----	155	29,202	49,718	430.54
Tanks (Full or Half Coupling)	1 1/2" mnpt x 1" fnpt	1" FNPT	F134	----	28	5,181	8,806	601.03
	2 1/2" mnpt x 1 1/2" fnpt	1 1/2" FNPT	F135	----	60	12,000	20,290	720.50
Tanks* (Full or Half Coupling)	2" MNPT	2" mnpt x 1 1/4" fnpt	----	F190	80	15,400	26,250	408.62
	2" MNPT	2" mnpt x 1 1/4" fnpt	----	F191	150	18,800	32,000	408.62
	3" MNPT	2" MNPT	----	F194	165	32,800	55,950	563.08
	3" MNPT	2" MNPT	----	F195	260	50,650	86,350	563.08
	3" MNPT	3" mnpt x 2" fnpt	----	F198	165	33,000	56,250	675.00
	3" MNPT	3" mnpt x 2" fnpt	----	F199	260	49,500	84,350	675.00



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BACK CHECK VALVES

Seat Construction	Container or Inlet Connection	Outlet Connection	Propane Flow Capacity At 10 psig Differential Pressure	Part Number				Price	Price
				Brass	Steel	Ductile Iron			
						Standard	Flow Indicator		
Metal to Metal	3/4" MNPT	3/4" FNPT	21 gpm	G100	---	---	---	26.56	---
Metal to Metal	1 1/4" MNPT	1 1/4" FNPT	55 gpm	G101	---	---	---	58.90	---
Metal to Metal	2" MNPT	2" FNPT	150 gpm	G102	G112	---	---	191.88	171.97
Metal to Metal	2" FNPT	2" FNPT	150 gpm	G109	---	---	---	426.26	---
Metal to Metal	3" MNPT	3" FNPT	250 gpm	---	G104	---	---	---	488.06
Soft Nose	1 1/4" FNPT	1 1/4" FNPT	190 gpm	---	---	G200-10	G201-10	686.58	776.50
Soft Nose	2" FNPT	2" FNPT	350 gpm	---	---	G200-16	G201-16	886.06	905.16
Soft Nose	2" MNPT	2" mnpt & 1 1/4fnpt	137.5 gpm	---	G105	---	---	---	341.56
Soft Nose	3" FNPT	3" FNPT	800 gpm	---	---	G200-24	G201-24	1578.80	1630.37
Soft Nose	3" FNPT	2" MNPT	254 gpm	---	G106	---	---	---	606.58
Soft Nose	3" MNPT	3" mnpt & 2" fnpt	254 gpm	---	G107	---	---	---	595.68



Threaded Ends



BALL VALVES

PES offers a complete line of general purpose ball valves capable of being operated manually or with an actuator. Ball valves are designed for minimum space requirements and feature straight through body construction along with large port sizes for low pressure drop capability.

The valves are particularly well suited for tanks, transport, and bulk plant applications where high volume flow rates are needed. Available is sizes from 1/4" on up to 3", these compact valves can be furnished in a variety of end configurations standard threaded, union end threaded, flanges, or socket weld.

Ball Valve	Body &	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	3"
Apollo Bronze	Threaded	70-101-01	70-102-01	70-103-01	70-104-01	70-105-01	70-106-01	70-107-01	70-108-01	70-100-01
Price	Full Port	\$14.88	\$14.88	\$14.02	\$23.62	\$29.42	\$47.46	\$68.56	\$78.30	\$463.68
Marpac Steel	Union Ends	---	---	790B	790C	790D	790E	790F	790G	---
Price	Std. Port	---	---	\$211.22	\$249.94	\$384.14	\$659.76	\$793.12	\$804.62	---



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Part Number	Description	Price
1689-12	POL x 1/4" x 3/8" tube 12" short nipple	9.90
1689-20	POL x 1/4" x 3/8" tube 20" short nipple	11.02
1689-30	POL x 1/4" x 3/8" tube 30" short nipple	13.84
1689-36	POL x 1/4" x 3/8" tube 36" short nipple	14.56
1689-6B90	POL x 1/4" MPT x 3/8 tube 6" bent 90 degree	11.66
1679-12	POL x 1/4" x 1/4" tube 12" long nipple	7.28
1679-20	POL x 1/4" x 1/4" tube 20" long nipple	7.54
1679-30	POL x 1/4" x 1/4" tube 30" long nipple	8.22
1680-05-B90	POL x POL. econ. 3/8" tube - bent 90 degree	7.58
1680-8	POL x POL x 3/8" tube 8" short nipple	6.54
1680-12	POL x POL x 3/8" tube 12" short nipple	6.80
1680-20	POL x POL x 3/8" tube 20 short nipple	8.80
1680-30	POL x POL x 3/8" tube 30 short nipple	10.58
1680-36	POL x POL x 3/8" tube 36 short nipple	13.78
1664-12	POL x POL x 1/4" tube 12" short nipple	6.06
1664-20	POL x POL x 1/4" tube 20" short nipple	6.18
1664-30	POL x POL x 1/4" tube 30" short nipple	9.22
1664-36	POL x POL x 1/4" tube 36" short nipple	9.86



3/8" I.D. ASSEMBLIES 3/8" M.P.T. x 3/8" FE.FL.

Part Number	Size	Price
42610-18	18"	10.76
42610-24	24"	10.34
42610-30	30"	11.04
42610-36	36"	12.28
42610-48	48"	12.28
42610-60	60"	17.70
42610-72	72"	20.28
42610-144	144"	29.20

THERMOPLASTIC PIGTAILS U.L. AND C.G.A. LISTED

The flexible thermoplastic hose material used on pigtails and high pressure hoses is rated at 350 lbs. working pressure and has a burst rating of 1750 PSI. End fittings are secured in place with proven, four jaw crimped, copper rings. Together they offer an assembly that meets all applicable U.L. and C.G.A. tests and requirements. All assemblies up to 60 inches in length are dual, (U.L. and C.G.A. listed).



UL & C.G.A. LISTED THERMOPLASTIC PIGTAIL EXCESS FLOW POL x 1/4" INVERTED FLARE

Part Number	Size	Price
40401-15	15"	10.98
40401-20	20"	11.66
40401-24	24"	12.22
40401-36	36"	13.94
40401-48	48"	15.58
40401-60	60"	17.32

U.L. AND C.G.A. LISTED HOSE ASSEMBLIES

Thermoplastic hose assemblies are available in 1/4" and 3/8" I.D. sizes only. The hose has a working pressure of 350 psi with a 1750 psi burst rating. All assemblies up to 60 inches in length are dual (U.L. and C.G.A.) listed.

3/8" ID ASSEMBLIES 3/8" FE. FL. x BOTH ENDS

Part Number	Size	Price
42613-24	24"	10.58
42613-36	36"	12.70
42613-48	48"	14.70
42613-60	60"	16.60
42613-72	72"	19.38
42613-144	144"	31.62



THERMOPLASTIC PIGTAIL SOFTNOSE EXCESS FLOW POL w/HANDWHEEL x 1/4" INVERTED FLARE

Part Number	Size	Price
40402-15	15"	12.60
40402-20	20"	12.58
40402-24	24"	13.16
40402-36	36"	14.84
40402-60	60"	

QCC-1 x 1/4 INVERTED FLARE PIGTAILS

Part Number	Size	Price
40408-12	12"	15.52
40408-15	15"	15.90
40408-20	20"	16.62
40408-24	24"	17.12
40408-36	36"	18.88
40408-60	60"	15.80

HOSE END

Part Number	Description	Price
240-36	Conversion fitting 1/4" female Inverted Flare x 1/4" MPT	.98
240-17	1/4" female inverted flare x 7/16 - 20 mpt	1.48



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230-00 Drip Lip Vent

Marshall Low Pressure Regulators are available with two different vent configurations, shown here. Those shown with the drip lip vent, do not require a cover when installed in compliance with N.F.P.A. standards. Non-drip lip regulators, by N.F.P.A. standard, must be installed under protection cover.

Part Number	Price
224-00	16.04
230-00	13.00
254-00	55.34

SPECIFICATIONS

- * Zinc Die Cast
- * Molded Rubber Diaphragm
- * Relief Mechanism per U.L. 144
- * Underwriter Laboratories Listed
- * Mounting Holes 3.5" on Center
- * 140,000 btu capacity
- * Inlet: 1/4" F.P.T.
- * Outlet: 3/8" F.P.T.

The size, shape and flow characteristics of these regulators make them ideal for use on propane grills, portable heaters, hot plates, camp stoves, and other propane appliances that require 100,000 btu or less. Both regulators are available in either field adjustable (spring tower with adjustment screw under removable cap), or with the factory preset tamper proof bonnet which is designated by the letter "T" after the model #.



224-00



254-00

Automatic changeover two stage regulator with knob



140-920

AUTOMATIC CHANGEOVER

The Marshall, two stage automatic changeover regulator offer the convenience of instant, automatic changeover from empty to full gas bottle.

The easy to read indicator tells you at a glance if your service cylinder is empty so you should never run out of gas.

SPECIFICATIONS

- * Zinc Die Cast
- * Molded Rubber Diaphragms
- * Relief Mechanism per U.L. 144
- * Underwriter Laboratories Listed
- * 210,000 btu capacity - service cylinder
- * 110,000 but capacity - reserve cylinder
- * Inlets: 1/4" Female Inverted Flare
- * Outlet: 3/8" F.P.T.
- * Height 7/3/4", Width 3 1/4", Depth 3 5/8"

SPECIFICATIONS

- * Zinc Die Cast
- * Underwriter's Lab Listed
- * Molded Rubber Diaphragm
- * Relief Mech, per U.L. 144
- * Inlet: 1/4" FPT
- * Outlet available in three sizes:



140-38
90 degree body

Part Number	Description	Price
140-38	3/8" FPT	9.16
140-920	QCC1 inlet, 3/8"FNPT outlet	14.20
240-17	Connector, 1/4 inv flare	1.48
240-32	Z Mounting Bracket	6.72
850-00	Cover	1.96
240-36	Adaptor 1/4mpt x1/4invd	1.00





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SPECIFICATIONS:

- * Zinc Die Cast
- * Molded Rubber Diaphragms
- * Fabric Reinforced First Stage Diaphragm
- * 2nd Stage Relief Mechanism Per U.L. 144
- * Underwriters Laboratories Listed
- * Mounting Holes 3 1/2" in Center
- * 160,000 btu Capacity
- * Inlet: 1/4" FPT
- * Outlet: 3/8" FPT
- * Weight: 1 lb.
- * Dimensions: 5 3/4" L
3 1/8" W, 2 5/8" H



290-00

290-00 TWO STAGE REGULATOR

The 290-00 two stage regulator is not only different in size and shape from the 260-00 model, it is also different in functional design and performance.

The first stage features a new lever arm design that improves both the efficiency and regulation. Combined with the second stage regulator, the overall performance assures even smoother and more continuous flow of gas to all appliances.

The model 294-00 has an excess flow P.O.L. installed. When mounted horizontally, it's vent is pointing down. When mounted under protective cover it is approved for use on single vertical cylinders or horizontal tanks.



299-00

294-00



130-00H



350-00

The Marshall High Pressure Regulators are designed for use with appliances such as torches, camp stoves, fish cookers, etc. that require pounds of pressure as opposed to W.C. inches. These regulators will regulate air as well as L.P. Gas, and can deliver as high as 2.5 million BTU's per hour.

Capacity at 100 psi inlet, set at:

- 10 PSI = 600 CFH 1,500,000 BTU
- 20 PSI = 700 CFH 1,750,000 BTU
- 30 PSI = 800 CFH 2,000,000 BTU
- 40 PSI = 900 CFH 2,250,000 BTU
- 50 PSI = 1000 CFH 2,500,000 BTU

Part Number	Description	Price
290-00	Two stage regulator	25.42
299-00	290-00 with a 9:00 vent	25.66
294-00	299-00 with an excess flow pol installed	31.42
130-00H	Preset at 10 psi outlet	20.14
350-00	Adjustable to 0-16 psi	18.02
863-00	Cover for horizontal installations	2.26
536-00	Standard Extend-A-Stay Kit	79.52
537-00	Deluxe Extend-A-Stay Kit	138.44

SPECIFICATIONS

- * Impregnated Zinc Die Cast
- * Molder Rubber Diaphragm
- * Non Relieving
- * Self Compensating
- * Height: 300-3", 306-3 9/16",
- * Width: 2", Length 2 3/8",
- * Weight: 8-9 oz.
- * Underwriter Laboratories listed
- * Inlet/Outlet 1/4" female pipe thread
- * Outlet pressure available in two
- * Ranges 5-12 and 13-50



863-00



EXTEND-A-STAY PROPANE KITS

The standard Extend-A-Stay kit 536-00 includes illustrated instructions for installation and proper use, a listed brass tee fitting, and a five foot flexible pigtail for hooking up the auxiliary tank or cylinder when parked for an extended stay.

The deluxe Extend-A-Stay kit 537-00 features an additional 12' hose to let the owner enjoy the additional benefits of the kit, i.e. hooking up portable lanterns, camp stoves and table top grills.



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 Fax (801) 262-6871

BRASS FITTINGS

Part Number	Description	Price
G-203	Hose Coupling 9/16" 18 LH Both Ends	2.88
G-212	Outlet Bushing 9/16" 18 LH x 1/4" MPT	1.98
G-413	Tee-For-Two	33.72
G-414	Add-A-Tee	33.82
G-415	Extend-A-Flow Tee listed for O.E.M. use	29.14
G-417	1/4" MPTxMale 1" 20 thread w/ check valve	6.88
G-420P	POLxFemale POLxMale 1" 20x1/4"F.I.Flare	51.96
G-483	Cap-A-Tee	2.98
G-487	Reserve Cylinder Adaptor 1"20 FxF POL	9.76
G-488	1/4 MPT x Female 1" 20	6.68
G-491	3/8" Male Flare x Male 1" 20	3.32
G-492	1/4" F.P.T. x Male 1" 20 Thread w/O-ring	5.72
G-487	1/4" Inverted Flare Plug	9.76
G-1700	1/4" Female Inverted Flare x 1/4" Female Inverted Flare x 1/4" M.P.T. Tee Check	13.46



G-487



G-488



G-492



G-417



G-483



G-413



G-414



G-415



G-420



G-212



G-203



G-491

ADAPTOR HOSES

The 40407 adaptor hose has a safe, convenient, "user friendly" design that make s it ideal for hooking up portable, high pressure propane appliances such as camp stoves, lanterns, and table top grills to larger cylinder. This hose pays for itself by eliminating the need for the small, expensive throwaway cylinders normally used to fuel these appliances. One end of the hose is a convenient soft nose handwheel P.O.L. which requires no wrench for tightening and fits all propane vapor cylinder valves. The other end has a brass 1" 20 male swivel fitting that threads into the appliance.

The 42421 Extend-A-Flow adaptor hose is also designed to thread directly into the opening on the high pressure appliance. However, its other end is engineered to go into one of our four adaptor tee fittings. One end is 1" 20, male swivel for the appliance and the other is 1" 20, female swivel for the tee fitting connection.

Part Number	Description	Price
40407-60	Adaptor Hose - 60" length	23.86
40407-144	Adaptor Hose -144" length	36.48
42421-60	Extend-A-Flow Adaptor Hose - 60" length	28.88
42421-144	Extend-A-Flow Adaptor Hose - 144" length	39.60



G-1700



G-487



G-1899P



40407-60

23



42421-60



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LIQUID WITHDRAWAL

The A1596 valve consist of a service valve and an excess flow valve.

Part Number	Service	Withdrawal Rate	Differential Closing Pressure	Price
A1596R	NH3	30 gpm	13 psig	260.44
A1596R	LP-gas	35 gpm	13 psig	260.44



A1596R



180-1000



ME850SS-8



ROTASEAL HOSE SWIVEL

400 psi maximum working pressure. 5 year warranty

Part Number	Inlet	Outlet	Price
108-1000	1" MNPT	1" FNPT	245.50
ME850SS-8	1" FNPT	1" MNPT	254.82

HOSE END VALVE

Part Number	Body Style	Inlet	Outlet	Price
AL416P	Globe	1/2"FNPT	1/2"NFPT	192.58
AL417P	Globe	3/4"NFPT	3/4"FNPT	201.96

AL300 "HI-FLO" SERIES

Widely used in bulk plant piping systems, on bobtail and transport trucks, and for liquid filling or vapor return service.

- * Spring loaded chevron TFE "Vee" packing gives the most effective seal against stem leakage.
- * Self-aligning seat disc retainer rides against stainless steel bearings. This allows the seat disc to stop turning as soon as it reaches the valve seat, preventing disc wear and giving long service life.
- * A 1/4" FNPT plugged side outlet permits installation of a bleed valve or a hydrostatic relief valve.
- * Body, bonnet, and handwheel of ductile iron; working pressure 400 psig WOG.
- * Nylon and TFE seat discs available for all sized of globe and angle valves.

AL417P



AL400 "ECONOMY" SERIES

- * One piece TFE stem seal packing
- * Threaded bonnet allows for quick and easy field service
- * Ductile iron body, aluminum bonnet; working pressure 400 psig WOG.
- * 1/4" FNPT side outlet (plugged).



Heavy Duty
Globe Valve



Heavy Duty
Angle Valve



Economy
Globe Valve



Economy
Angle Valve

Service	Inlet & Outlet Connections	Heavy Duty Part Number & Price			
		Globe	Price	Angle	Price
NH3 or LP-Gas	3/4" FNPT	AL308P	158.02	AL309P	158.02
	1" FNPT	AL310P	141.36	AL311P	160.44
	1 1/4" FNPT	AL312P	258.38	AL313P	287.05
	1 1/2" FNPT	AL314P	444.69	AL315P	485.47
	2" FNPT	AL316P	398.51	AL317P	398.51
	2" ANSI Flanged	AL316FP	1190.67	AL317FP	1190.07
	3" FNPT	AL320P	1297.26	AL321P	1297.26
	3" ANSI Flanged	AL320FP	2201.60	AL321FP	2719.09



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GAUGE SCREWS AND GASKETS

Part Number	Description	Price
40-414	Junior Gauge Screw	1.40
40-415	Senior Gauge Screw	1.40
15-4	Senior Gauge Gasket	1.68
15-7	Junior Gauge Gasket	1.68

SENDER & RECEIVER FOR MOTOR FUEL SERVICE

Taylor's sender gives both direct and remote indication of LP-gas liquid on all makes of cars and trucks when used with either or the original equipment fuel gauge on the vehicle. The sender also works on all recreational vehicles (RV's).



Receiver at dash or other remote location

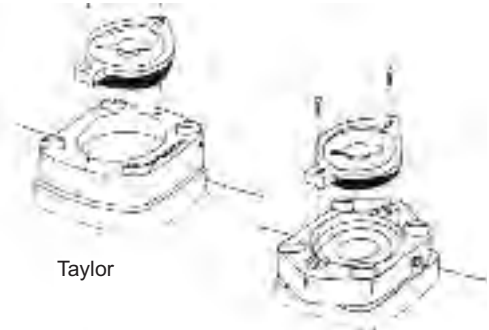
SENDERS/COMBINATION UNITS

Application	Part Number	OHMS	Includes	Price
GM Vehicle, RV's	136600	0-90		39.60
Ford & Chrysler	136601	70-10		73.32
Ford	136602	15-160		43.90
Universal	136608	*		71.82
GM Vehicles, RV	136605	0-90	Sender,Receiver (Analog Display) 20' cable	114.64
GM Vehicles, RV	136606	0-90	Sender,Receiver (Digital bar graph display) 20' cable	178.44

*Adjustable to any receiver

RECEIVERS

Description	OHMS	Part Number	Price
Analog display	0-90	136520	87.94
Digital bar graph	0-90	136521	117.50



Taylor

Rochester

TAYLOR REPLACEMENT DIALS

Float Gauge Type	Mounting Method	Dial Diameter	Part Number	Price
33lb. fork lift univ.	2 Screws	2" 2733CV	130013	9.36
Motor fuel direct read	2 Screws	2" converta dial	136000	9.54



ROCHESTER REPLACEMENT DIALS

Part Number	Description	Price
5323S-1749	Junior	11.16
5001S-01	Senior	13.82
5343S-1791	Junior Universal LT 43#	12.00
136610	Fits both Taylor & Rochester gauge	15.54
3181-S17	Universal dial kit for Junior gauge	27.62
3180-S17	Universal dial kit for Senior gauge	28.68
130005	Junior Gauge	15.16
130010	Senior Gauge	15.86
130012	Taylor drop in dial (2 screws)	9.68

DIRECT-READ REPLACEMENT DIAL

Part # 136610 direct-read replacement dial fits all Taylor and Rochester Jr. head float gauge. An ideal way to reduce replacement dial inventory, the 136610 eliminates many of the field problems associated with conventional direct-read replacement dials



UNIVERSAL DIAL KIT

Only for old obsolete Junior or Senior gauges. Fits any LPG float gauge ever built.

TAYLOR VISIBLE REPLACEMENT DIAL

25 Assembly with screws.