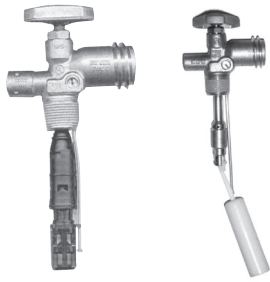


OPD VALVES

B



OVERFILL PROTECTION DEVICE (OPD) VALVE

Automatically shuts off flow of all gas when cylinder is filled to the proper volume.

Part #	Fits Cylinder	Diptube (inches)
V21113	5# and 11# squat	3.0"
V21130	10# and standard 11#	3.6"
3349PLG4.0	20#	4.0"
PV3004S	30# Steel	4.7"
PV3004A	30# Aluminum	6.0"
PV4004S	40# Steel	6.5"
PV4004A	40# Aluminum	7.0"



B88C

QCC dust cover w/ strap. Fits 1-5/16" Acme Threads on Type 1 QCC Cylinder Valves. Packaged 50 per bag.

QUICK DISCONNECT CONNECTION



PV3349-424

Type 2 cylinder valve for 20# gas grill cylinder.

INLET: 3/4" NGT

OUTLET: 5LPA Quick Disconnect

POL CONNECTION



PV3250CLG106

Valve for 100# cylinder. Equipped with 10.6" fixed liquid level gauge.



PV3250ALG7T

Valve for cylinders or tanks with separate pressure relief valves, i.e. a multi-port 420# cylinder. Comes with 11.0" fixed liquid level gauge. Unit has a pre-tapped pressure test port.

PV3250ADT7

Same valve but without a fixed level gauge.

PV3329BDBT (Dual Bonnet)

Valve for cylinders or tanks w/separate pressure relief valves. Has Dual Bonnet for easy repair without interrupting service. No fixed level gauge. Unit has a pre-tapped pressure test port.

Bonnet & Stem Assembly: 3427-100



PV3250A375

Valve for cylinders with higher pressure ratings. This valve has a built in integral relief and a start to discharge rating of 375 psig.

3/4" container connection and POL service connection. No excess flow and no fixed maximum liquid level gauge.

PV3250 Series Valve Parts:

Bonnet & Stem Assembly: 3250-8LH-Kit

Handwheel: 1901

REGO R8555

This multivalve allows liquid withdrawal from DOT cylinders up to 100# capacity.

Repair Kits

R19104-50 Complete multibonnet assembly

R19104-80 Upper packing with seal rings for multibonnet only.



POL CONNECTION (CONTINUED)



PV3250ALM
 Liquid withdrawal valve for 100# cylinders.
 INLET: 3/4" NGT
 OUTLET: Male 982 (CGA555)
 OUTLET ADAPTERS: (Order separately)

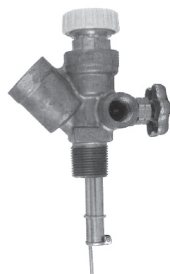
ME-M306	CGA555 X 1/4" NPT
ME-M308	CGA555 X FPOL



3359PLG4.2
 Plumber's pot OPD valve for 20# cylinder. Has 3" - 12 external thread for plumber's pot attachment.
 INLET: 3/4" NGT
 OUTLET: FPOL
 BONNET KIT: 3250-8ALH-K



PV2030BC
 A multi-purpose valve with double back check filler valve. Relief valve capacity for up to 200# cylinders. Comes with a 10.6" dip tube for 100# cylinders. Longer dip tubes are available.
 INLET: 3/4" - 14 NGT
 OUTLET: POL
 PRESSURE RELIEF SETTING: 375 psig
 BONNET KIT: 3329-13LH-K
 HANDWHEEL: 3329-7



PV2035AT375
 Multi-purpose valve combines a service line valve, a back check filler valve with secondary back check, a relief valve, and a fixed liquid level gauge. Relief valve capacity for up to 420# cylinders. Unit has a pre-tapped pressure test port.
 INLET: 1" - 11 1/2 NGT
 OUTLET: POL
 PRESSURE RELIEF SETTING: 375 psig
 BONNET KIT: 3250-8LH-KIT

PV2035AT250
 Same as PV2035A but relief valve setting is 250 psig for ASME 420# cylinders. Unit has a pre-tapped pressure test port.

LIFT TRUCK VALVES



PV1427C
 Lift truck cylinder valve with integral 1.7 GPM excess flow check at inlet.
 INLET: 3/4" NGT
 OUTLET: 3/8" NPT
 BONNET KIT: 3329-13LH-K
 HANDWHEEL: 3329-7

LIFT TRUCK VALVES (CONTINUED)



PV435A
 LIFT TRUCK CYLINDER RELIEF VALVE WITH 375 PSIG START TO DISCHARGE PRESSURE.
 3/4" MNPT



435-45
 Pipe away adaptor for PV435A.



435-45C
 Rain cap for PV435A or 435-45.

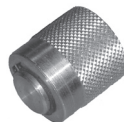
LIFT TRUCK SAFETY CHECK CONNECTORS



PA1428M
 Male lift truck connector.
 1 1/4" male ACME X 3/8" FNPT



PA1428F
 Female lift truck connector.
 1 1/4" female ACME X 1/4" FNPT



ME-220FP
 1 1/4" FACME Brass lift truck connector cap.
PLASTIC CAP - 1875-3A

MOTOR FUEL SERVICE VALVES



PV1447B
 Motor fuel tank service valve with 1.8 gpm excess flow check valve.
 INLET: 3/4"-14 NGT
 OUTLET: 3/8" OD FLARE (90°)
 BONNET KIT: 3250D-8LH-K
 HANDWHEEL: 1901S
 HANDWHEEL SCREWS: 3740-13



PV1447BMF
 Same as PV1447B, but has 70° angle outlet.



PV1447DMF
 Incorporates all features of 1447 series, plus internal hydrostatic relief, which vents trapped line pressure back to the tank.



MOTOR FUEL SERVICE VALVES (CONTINUED)



PV3250BC-312

Service valve with built in 312 psi relief valve. For RV vapor tanks.
REPLACEMENT RELIEF VALVE COVER:
U1062-168L

B

MOTOR FUEL INTERNAL RELIEF VALVES



ITEM#	SIZE	DISCHARGE PSIG	PIPEAWAY ADAPTOR
UV436BR	3/4"	312	436-21
UV445AM	1"	250	445-21
UV445AR	1"	312	445-21
PV445AT	1"	375	445-21

MOTOR FUEL RELIEF VALVES



PV1855SD

1 3/4" ACME X 3/4" NPT tank thread. Fits ASME motor fuel tanks and DOT lift truck cylinders.

REPAIR KIT: 1855-100-KIT



PV1855SD-30

30° angle on the 1 3/4" ACME filler connection for easier connection.



PV1855SPD

3/4" FNPT X 3/4" NPT tank thread for use on ASME motor fuel tanks that require remote filling.



PV1855SD-90

1/2" OD male flare X 3/4" NPT tank thread for use on ASME motor fuel tanks that require remote filling.

LIQUID LEVEL VENT VALVES



SJ400

Used when a liquid level tube is welded in vessel.

DRILL SIZE ORIFICE: # 54

1/4" NPT

REPLACEMENT STEM AND DISC

ASSEMBLY: 1F4595



ME-J402S

Same as SJ400 except it is stainless steel, and has "T" handle that remains attached.

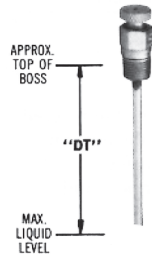


J401

Same as SJ400 except it has stop filling dial.

J403S

Same as J401 except it is stainless steel.



ME-J410-120

Same as SJ400 except it has a 12" dip tube.



PV10ARF

Installed in motor fuel tank when remote liquid level gauge is required. Does not have #54 orifice. Orifice must be in coupling.

INLET: 1/4" NPT

OUTLET: 1/4" OD flare

PV10DRF

Same as the PV10ARF except it contains a #54 drill size orifice. Used where no orifice is provided in tank coupling.



J415

Installed on large bulk storage tanks at the maximum filling level.

INLET: 3/4" MNPT

OUTLETS: Two 1/4" FNPT side outlets



J415-1

J415 with 0-400 psig pressure gauge installed.

J415-2

J415 with 0-300 psig pressure gauge installed.

LIQUID WITHDRAWAL VALVES AND ADAPTORS



Liquid excess flow valve designed to be installed into any liquid withdrawal opening.

ITEM#	INLET	OUTLET	CLOSING RATE
PVE5136	3/4" MNPT	1 5/8" - 12UN	22 GPM
PVE5137	1 1/4" MNPT	1 5/8" - 12UN	34 GPM

Accessories - 5136-90A Cap for PVE5136 & PVE5137



PA5138
1 5/8" - 12UN X 3/4" FNPT Adapter



PA5133
3/4" NPSM X 3/4" FNPT



M455 (FISHER)
PA5133M (SHERWOOD)

3/4" NPSM X 3/4" MNPT

Gaskets for above:

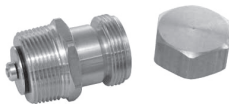
5133-10 (SHERWOOD)



ME460
3/4" MNPT inlet x 1 5/8" UNF male outlet liquid withdrawal tank valve with cap.



ME461
Replacement cap for ME460 and ME462



ME462
1 1/4" MNPT inlet x 1 5/8" UNF male outlet liquid withdrawal tank valve with cap



ME458
1 5/8"-20 F. thread (inlet) x 3/4" FNPT (outlet) liquid evacuation coupling

REPLACEMENT PARTS

ME458-03 6/6 Nylon gasket

ME458-04 Nitrile/Buna-N O-ring

MULTIVALVES



SHERWOOD
PV2033CLDB

1 1/4" Acme vapor return, fixed maximum liquid level gauge and service shut off. Dip tube length: 15". Unit has a pre-tapped pressure test port. With the Presto Tap option, leak test can be performed at the valve without breaking the line.

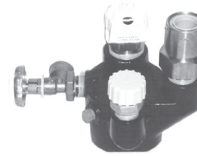
INLET: 3/4" MNPT

OUTLET: FPOL

VAPOR REPAIR KIT: 2033-100-KIT

BONNET ASSEMBLY: 6775-60-KIT *

* To convert a standard bonnet valve to a dual bonnet, order kit # 3429-100-KIT



SHERWOOD
PV2098A

Cluster valve for ASME underground tanks with surface area up to 300 sq ft. Includes filler valve, service valve, vapor return, relief valve, and outage valve. Unit has a pre-tapped pressure test port.

INLET: 2 1/2" FNPT

OUTLET: FPOL



REGO
R8593AR

Combines filler valve, vapor return, service valve, fixed liquid level gauge, and tapped and plugged gauge boss.

INLET: 1 1/2" MNPT

OUTLET: FPOL

FILLER/VAPOR RETURN VALVES



Double back check filler valve.

ITEM#	INLET	OUTLET	REPAIR KIT
PV623B	1 1/4" MNPT	1 3/4" ACME	623B-100-KIT
PV1855SD	3/4" MNPT	1 3/4" ACME	1855-100-KIT

FILLER/VAPOR RETURN VALVES (CONTINUED)

D138 AND D139 **FISHER**



Single back check filler valve for use with G series back check or a manual shutoff valve.

Part#	INLET	OUTLET
D138	2" MNPT	2 1/4" ACME
D139	3" MNPT	3 1/4" ACME

D140 AND D141 **FISHER**



Double back check filler valve.

Part#	INLET	OUTLET
D140	2" MNPT	2 1/4" ACME
D141	3" MNPT	3 1/4" ACME

PV1876



Vapor return and excess flow valve has upper positive back check valve. Attachment of the vapor hose coupling with projecting nozzle opens the back check to permit flow in both directions.
INLET: 3/4" MNPT
OUTLET: 1 1/4" ACME

D1134



Locking cap for 1 3/4" ACME filler valves.

UNLOADING ADAPTORS

PV902 AND PV903



Emergency unloading adapter used to remove liquid from domestic tanks where the fill valve is attached to a tube that allows withdrawal of liquid from the bottom of the tank.

Part#	INLET	OUTLET
PV902A*	1 3/4" Female ACME	3/4" FNPT
PV903A**	1 3/4" Female ACME	3/4" FNPT
PV903B	1 3/4" Female ACME	1/2" FNPT

* PV902A is used on old style Sherwood 623A fill valves

** PV903A is used on Sherwood 623B, 1825SD, and other brand valves

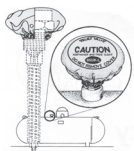
DOMESTIC TANK RELIEF VALVES

INTERNAL SPRING RELIEF VALVES



250 psig for 250-1000 gallon tanks

Part #	Inlet	Tank Size	Capacity CFM Air	Replacement Cap
UV433AM	3/4"	250 gal	1970	433-45A
UV443AM	1"	500 gal	2510	443-45A
UV453AM	1 1/4"	1000 gal	4370	453-45A
UV445AM	1"	Vert 120	987	UEP16



B85UK-L UNIVERSAL RAIN CAP

An inexpensive, expendable relief valve cover that fits virtually all popular sizes.

DOMESTIC TANK RELIEF VALVES (CONTINUED)



ASME AND DOT EXTERNAL RELIEF VALVES

Part #	MNPT Inlet	Capacity CFM Air	PSIG Setting	Pipeaway Adaptor	Protective Cap
H110-250	1/4"	310	250	—	P206
H135-250	1/2"	594	250	P174	P206
H160-250	3/4"	605	250	P174	P206
H185-250	3/4"	2223	250	—	P145
H110-312	1/4"	390	312	—	P206
H135-312	1/2"	765	312	P174	P206
H160-312	3/4"	765	312	P174	P206
H173	3/4"	903	375	P174	P206
PVE431TR	1"	1680	250	—	433-45A

HYDROSTATIC RELIEF VALVES



PV3866

Bulkhead mounted double check manifold for dual tank installations.

Check valves prevent flow from one tank to the other.

CONNECTIONS: 3/8" OD male flare

START TO DISCHARGE PRESSURE: 400 psig



450 PSIG RELIEF VALVE

Required in liquid lines between positive shut-off valves.

H124 1/4" MNPT

H144 1/2" MNPT

H174 3/4" MNPT

P206 Raincap for Fisher H124, H144 and H174



PV3865 1/4", 400 psi

UAS10 Raincap for PV3865

TRUE INTERNAL RELIEF VALVES



BOBTAIL AND TRANSPORT RELIEF VALVES

For 265 psig valves, change part# suffix to 265.

Part #	Mfg.	Size	Psig	Cap	Wrench
H722-250	Fisher	2"	250	P297	P304
H732-250	Fisher	3"	250	P298	P305

RELIEF VALVES FOR LARGE ASME TANKS



2" INTERNAL SPRING RELIEF VALVE

Part #*	Mfg.	Material	SCFM Capacity	3" Pipeway Adaptor
H282-250	Fisher	Brass	11,336	ME-P104-24

* For 265# or 275# valve, change part# suffix to 265 or 275.



FLANGE TYPE FULL INTERNAL RELIEF VALVE

For 3" modified and 4" flanges. Replacement for AC&F relief valves. Two required on 30,000 gal. tank.

Part #	Mfg.	Tank Conn.	SCFM Capacity	Pipeaway Thread Size
4MBF-A-250	BPS	3" Modified or 4" Flange	15452	4" FNPT

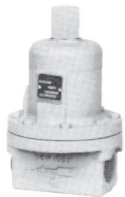
RELIEF VALVE STACK RAINCAPS

Protection for vertical relief valve riser pipes.



Part #	Pipe Size
RC300-06	3/4"
RC300-08	1"
RC300-16	2"
RC300-20	2 1/2"
RC300-24	3"

RELIEF VALVE FOR LIQUID SERVICE



98H-30



Used on relief and back pressure applications involving large propane pumping systems and vaporizers.

Body size: 1" FNPT

Relief pressure range: 70-140 psig

Relief pressure setting: 100 psig

Liquid Relief Capacity: 30.8 GPM

DIAPHRAGM TYPE RELIEF VALVES



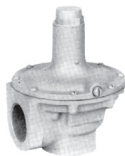
1805 SERIES

Protects piping downstream of a regulator from excessive pressure.

Part#	Body Size	Relief Setting	Range
1805-18P	1"	20#	5-35#
1805-19P	1"	35#	10-60#

289 SERIES

Installs between large second stage regulator & burner to provide high capacity relief.



Part#	Body Size	Relief Setting	Range
289H/2	2"	1.5#	.5 - 2.25#
289L/21	1"	26"	14" - 40"
289H/41	1"	2.75#	1 - 4.5#
289H/42	1"	9.5#	4 - 15#

INTERNAL VALVES



C407 SERIES INTERNAL VALVE

For vapor line on bobtails, main valve on small pumping systems, or in-line installation. Valve has manual operating lever and Type P134 fusible link.

Part #	Closing flow	Inlet	Outlet
C407-10-03	30 gpm	1 1/4" MNPT	1 1/4" FNPT
C407-10-05	50 gpm	1 1/4" MNPT	1 1/4" FNPT
C407-10-08	80 gpm	1 1/4" MNPT	1 1/4" FNPT

GPM based on half coupling in vessel



C427 SERIES INTERNAL VALVE

Straight through single outlet valve for use on bobtails, transports, stationary tanks, or in-line installations.

Part #	Closing Flow	Inlet	Outlet
C427-1615	150 gpm	2" MNPT	2" FNPT
C427-1625	250 gpm	2" MNPT	2" FNPT
C427-2425	250 gpm	3" MNPT	3" FNPT
C427-2440	400 gpm	3" MNPT	3" FNPT
C427-2450	500 gpm	3" MNPT	3" FNPT

GPM based on half coupling in vessel



C421 SERIES INTERNAL VALVE

Two outlets, bottom and side. Primarily used on bobtails and transports. Either connection can be used for truck filling or withdrawal.

Part #	Closing Flow	Inlet	Outlet
C421-1615	150 gpm	2" MNPT	2" FNPT
C421-1625	250 gpm	2" MNPT	2" FNPT
C421-2425	250 gpm	3" MNPT	3" FNPT
C421-2440	400 gpm	3" MNPT	3" FNPT

GPM based on half coupling in vessel

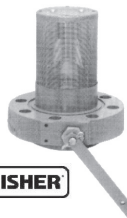


C402 SERIES INTERNAL VALVE

Three side outlet with integral strainer for pump protection. Can be used in bulk plants for cylinder filling and truck loading from a single outlet.

Part #	Closing Flow	Inlet	Outlet
C402-1625	250 gpm	2" MNPT	2" FNPT
C402-2425	250 gpm	3" MNPT	3" FNPT

GPM based on half coupling in vessel



C404-24 INTERNAL VALVE

3" single flange unit used on bobtails with direct connected pumps.

Part #	Closing flow
C404-2425	250 gpm
C404-2440	400 gpm

INTERNAL VALVES (CONTINUED)



C403-24 INTERNAL VALVE

3" double flange unit used on bobtails where pump must be lowered to clear truck frame or other obstacles.



Part #	Closing flow
C403-2425	250 gpm
C403-2440	400 gpm

T10561 - 3" Lower Gasket
IP8777 - 3" Upper Gasket pre 1990 construction
T13603 - 3" Upper Gasket post 1990 construction



C404-32 INTERNAL VALVE

4" flanged valve for transports and large storage tanks.



Part #	Closing flow	Operation
C404-3260	600 gpm	cable
C404-3280	800 gpm	cable
C404A-3260	600 gpm	air
C404A-3280	800 gpm	air
C404M-3260	600 gpm	manual
C404M-3280	800 gpm	manual

IP1107 - 4" Upper Gasket
T11182 - 4" Lower Gasket

INTERNAL VALVE ACCESSORIES



AIR OPERATORS

When air pressure is applied to the cylinder, the valve opens. Upon loss of air pressure, valve closes. See page 16 for air valves and tubing.



Fisher Part #	Replaces Fisher Part #	Marshall Part #	Fits internal valve(s)
P614	P312	ME-208SF	C404-32
P623	P326-5	ME-207	C403-24
P639	P326-6	ME-206	C401, C421, C427
P613	P326-7	ME-207SF	C404-24
P389*		ME-205	C407-10
P631	Actuator kit for C407-10		

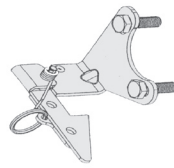
*Requires the installation of a B105A street tee and A T11403 1/8" fuse plug.



1301F

High Pressure regulator for use with nitrogen systems.

INTERNAL VALVE ACCESSORIES (CONTINUED)



LATCH AND REMOTE RELEASE MECHANISM



When the valve's operating lever is manually opened, the lever is automatically latched in that position. The lever can be released from a remote location by pulling on a cable attached to the pull ring, thus closing the valve. Thermal protection is provided by a built-in fusible element.

Part #	Fits internal valve(s)
P340	2" & 3" C401, 402, 407, 421, & 427
P341	1 1/4" C407



CABLE CONTROL ASSEMBLIES

Available to remotely open and close all Fisher internal valves except 4" flanged sizes.

Part #	Description
P650	Includes primary control, 20' cable, P134 fusible links, return spring, and mounting hardware
P163A(25') P164A(50')	Auxiliary cable releases that allow the internal valve to be closed remotely from primary control point
P314	40' cable assembly attaches C404-32 operating lever and Wheaton or Allegheny type primary control
P315	Remote release handle with cable linkage for manually actuated 4" valves
P134	Fusible Link

BACK CHECK VALVES

BACK CHECK VALVES ALLOW FLOW IN ONLY ONE DIRECTION AND ARE NORMALLY CLOSED.

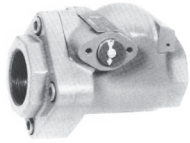


G100 SERIES AND A1700 SERIES

Used mainly in tank inlet connections available with metal to metal seat or soft seat (positive shut-off).

Part #	Inlet	Outlet	Seat	Flow Capacity	Material
G100	3/4" MNPT	3/4" FNPT	metal	21 gpm	brass
A1725	3/4" MNPT	3/4" FNPT	metal	21 gpm	steel
G101	1 1/4" MNPT	1 1/4" FNPT	metal	55 gpm	brass
A1727	1 1/4" MNPT	1 1/4" FNPT	metal	55 gpm	steel
G102	2" MNPT	2" FNPT	metal	150 gpm	brass
G112	2" MNPT	2" FNPT	metal	150 gpm	steel
A1728	2" MNPT	2" FNPT	metal	150 gpm	steel
G109	2" FNPT	2" FNPT	metal	150 gpm	brass
G104	3" MNPT	3" FNPT	metal	250 gpm	steel
G105	2" MNPT	2" MNPT	soft	137 gpm	
	and	1 1/4" FNPT			steel
G106	3" FNPT	2" MNPT	soft	254 gpm	steel
G107	3" MNPT	3" MNPT	soft	254 gpm	steel
	and	2" FNPT			
ME-870S-24	3" FNPT	3" MNPT	soft	449 gpm	steel

BACK CHECK VALVES (CONTINUED)



G200 SERIES



Ductile iron valve designed for heavy duty in-line service. Type G201 has built in flow indicator.

Part #	Inlet	Outlet	Seat	Flow Capacity
G200-10	1 1/4" FNPT	1 1/4" FNPT	soft	125 gpm
G201-10*	1 1/4" FNPT	1 1/4" FNPT	soft	125 gpm
G200-16	2" FNPT	2" FNPT	soft	200 gpm
G201-16*	2" FNPT	2" FNPT	soft	200 gpm
G200-24	3" FNPT	3" FNPT	soft	300 gpm
G201-24*	3" FNPT	3" FNPT	soft	300 gpm

*Have built in flow indicators

EXCESS FLOW VALVES

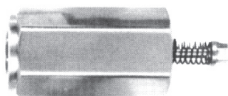
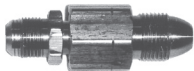
Excess flow check valves are intended to close upon excessive discharge of vapor or liquid resulting from a break in the hose or piping system.

POL SERIES (PORTABLE SERVICE)

Inlet: Male POL



Part #	Outlet	Closing Flow
ME-1689	9/16"-18 UNFLH	.7 gpm
ME1689EX18	9/16"-18 UNFLH	1.5 gpm
ME-1690EX18	1/4" MNPT	1.5 gpm
ME-F202	1/2" SAE Flare	1.9 gpm



F130 SERIES (IN-LINE)



Part #	Inlet	Outlet	Closing Flow
F138	1/4" MNPT	1/4" FNPT	1.8 gpm
F130	1" FNPT	1" FNPT	25 gpm
F131	1 1/2" FNPT	1 1/2" FNPT	60 gpm
F132	2" FNPT	2" FNPT	95 gpm
F133	2" FNPT	2" FNPT	155 gpm

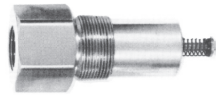
EXCESS FLOW VALVES (CONTINUED)



F100 SERIES - TANKS (FULL OR HALF COUPLING)



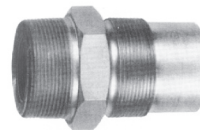
Part #	Inlet	Outlet	Closing Flow
F170	3/4" MNPT	3/4" FNPT	6.6 gpm
F100	3/4" MNPT	3/4" FNPT	8.4 gpm
F101	3/4" MNPT	3/4" FNPT	20 gpm
F102	1 1/4" MNPT	1 1/4" FNPT	33 gpm
F105	1 1/4" MNPT	1 1/4" FNPT	55 gpm
F106	2" MNPT	2" FNPT	85 gpm
F107	2" MNPT	2" FNPT	100 gpm
ME880S-24	3" MNPT	3" FNPT	350 gpm



F134 SERIES - TANKS (FULL OR HALF COUPLING)



Part #	Inlet	Outlet	Closing Flow
F134	1 1/2" MNPT X 1" FNPT	1" FNPT	28 gpm
F135	2 1/2" MNPT X 1 1/2" FNPT	1 1/2" FNPT	60 gpm



F190 SERIES - STEEL (FULL OR HALF COUPLING)



Part #	Inlet	Outlet	Closing Flow
F190	2" MNPT	2" MNPT X 1 1/4" FNPT	80 gpm
F191	2" MNPT	2" MNPT X 1 1/4" FNPT	105 gpm
F194*	3" MNPT	2" MNPT	165 gpm
F195*	3" MNPT	2" MNPT	260 gpm
F198*	3" MNPT	3" MNPT X 2" FNPT	165 gpm
F199*	3" MNPT	3" MNPT X 2" FNPT	260 gpm

*For in-line use of 3" valves, use C243-BF coupling

FLOW INDICATORS

TAYLOR MAGNETIC FLOW INDICATORS

Taylor-Flo indicators are installed in liquid pipelines to give visual indication of flow direction or the absence of flow. Mounts in a standard tee.



Part#	Pipe Size
VIS5520-16	2"
VIS5520-24	3"

MARSHALL EXCELSIOR SIGHT FLOW INDICATOR

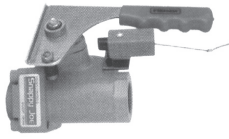
The Marshall Excelsior sight Flow Swing check Valve is designed to promote pump efficiency and allow bulk plant operators a visual inspection point for monitoring liquid flow conditions.



Part#	Description	Material	OAL
ME875S-16	2" FNPT	Ductile Iron	5 3/4"
ME875S-24	3" FNPT	Ductile Iron	7 3/8"

EMERGENCY SHUTOFF VALVES - FOR BULK PLANT

FISHER N550 SERIES



These valves are designed for in-line service at the bulk plant transfer area. They are intended to prevent large scale gas loss in the event of transfer hose rupture resulting from a pull away, fire, etc. The N550 can be opened manually at the valve and can be closed manually at the valve or by cable or pneumatic remote release, or by geothermal release. These are listed by Underwriters Laboratories and if installed within 20' of the hose end will satisfy the new requirements of NFPA pamphlet #58 for emergency shutoff valves.

Item No.	Size
N550-10	1-1/4" FNPT
N550-16	2" FNPT
N550-24	3" FNPT

T13090 - Packing Kit
T225714 - Rubber covered replacement handle
T13049 - Magnalube

FEATURES

- **Low Flow Restriction** – Main Shutoff poppet moves out of the flow when open.
- **Ease of Operation** – Handle is easily moved to vertical position to open valve and simply push the handle down for closure.
- **Cable Closure** – Cable assembly, P164B, can be easily attached to wire loop of valve release mechanism for remote release at safe location.
- **Air Closer** – The P327D pneumatic release can be substituted for the latch mechanism to control valve closure by nitrogen or air pressure - 20 psig. to 70 psig. pressure required.
- **Rugged Construction** – This is a "working" valve and can be used daily. All seats and seals use metal back-up seals that give fire resistance.
- **Fusible Element** – The T12867 fusible element forms the hub of the lever and shaft assembly and if it melts from the heat of a fire, it allows the poppet seat to close even if the operating handle is wired open. For external spring, order P550.

RELEASE FOR N550 SERIES



P164B & P163A CABLE RELEASE

P164B manual release mechanism provides a pull lever with a fusible link, 50' cable with wire wrap and vinyl coating, cable guides and adapter for easy attachment to the ESV. If sufficient heat melts the fusible link in the remote release mechanism, it will automatically release and shutoff the ESV. P163A is the same as the P164B except it has a 25' cable.

NOTE: These cable releases are also used with the C407M Series internal valves.



P551 AND P551A

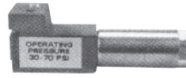
External Closing Spring. Can be installed on an N550 to increase closing force.



P134 FUSIBLE LINK

EMERGENCY SHUTOFF VALVES

P327D



For pneumatic remote shutoff of N550 valves. Air supply of 20 to 70 psig keeps valves open. The valve will close by air shutoff, by bleed, or by line rupture. Numerous valves may be in one line. Replaces standard T12979 Latch Block Assembly that is manually operated.

AIR TUBING IS NOT INCLUDED IN KIT.



P539 replaces P327C

Air cylinder is a means of opening and closing N550 valve pneumatically. The valve opens with 30 to 70 psig pressure, and closes by loss of pressure.

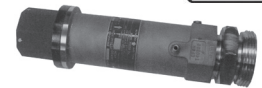
ME-551 (MARSHALL)



The ME-551 is designed to fit all ESV sizes. All critical components of this "Safety Stroke" actuator are constructed with durable, corrosion resistant stainless steel. It allows the ESV to open completely ensuring full flow. Operating pressure range is 20-125 psig. Includes all necessary mounting hardware.

EMERGENCY SHUTOFF VALVES FOR RAILROAD TANK CARS

Emergency Shutoff Valves for use on railroad tank cars. Pneumatically opened and closed.



Item No.	Inlet	Outlet	Nipple Length
N562-26	2" FNPT	3-1/4" Acme	Field Selectable

Replacement couplings:
WGx396 female WGx672 male

AIR LINE, VALVES, TUBING & FITTINGS

Item No.	Description
WR1924-01	1/4" OD Black DOT Tubing
WRSPMT-4	1/4" OD Union
WR1170-4-4	1/4" OD Tee
WR1168x4	1/4" OD x 1/8" MPT Adaptor
WR1168x4x4	1/4" OD x 1/4" MPT Adaptor
WR1169x4	1/4" OD x 1/8" MPT 90° Adaptor
WR1169x4x4	1/4" OD x 1/4" MPT 90° Adaptor



IEM378463

Flip Lever Air Valve



IEST146749

Push/Pull Air Valve



BAV030

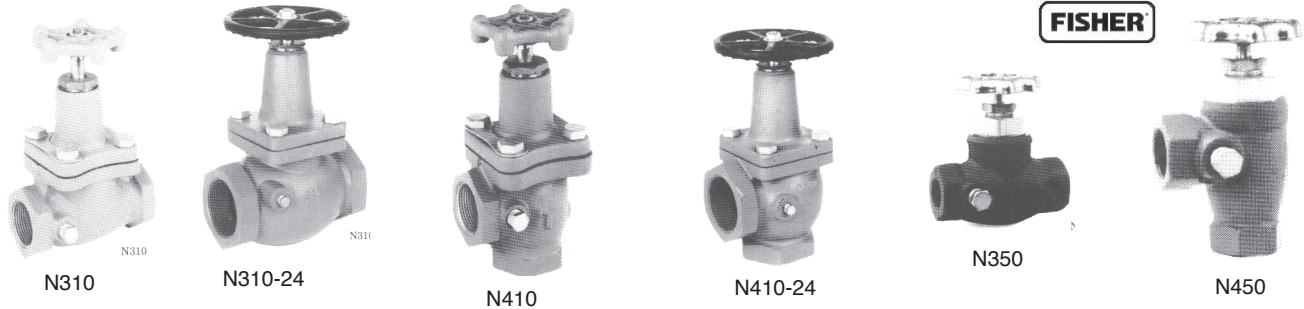
3 way, 2 position air valve with mounting bracket.



CA-PB

Heavy duty air valve mounted in a weatherproof enclosure

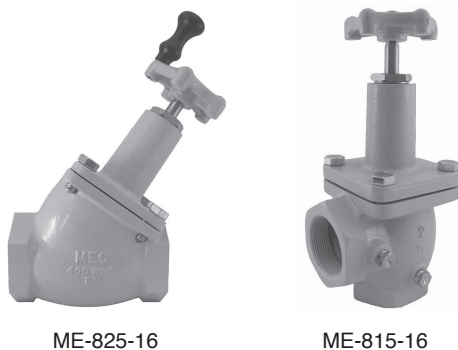
GLOBE AND ANGLE VALVES



SERVICE	INLET & OUTLET CONNECTIONS	TYPE NUMBER			
		Heavy Duty Version		Economy Version	
		Globe	Angle	Globe	Angle
		Fisher	Fisher	Fisher	Fisher
LP-gas and NH3	1/2" FNPT	N301-04	N401-04	—	—
	3/4" FNPT	N301-06	N401-06	—	—
	1" FNPT	N301-08	N401-08	—	—
	1-1/4" FNPT	N310-10	N410-10	—	—
	1-1/2" FNPT	N310-12	N410-12	—	—
	2" FNPT	N310-16	N410-16	—	—
	3" FNPT	N310-24	N410-24	—	—
	3" ANSI Flange	N310F-24	N410F-24	—	—
LP-gas	1/2" FNPT	—	—	N350-04	N450-04
	3/4" FNPT	—	—	N350-06	N450-06

REPLACEMENT PARTS KITS		
Fisher		
	Heavy Duty (N300, N400)	Economy (N350, N450)
Size	Part #	Part #
1/2"-1"	RN30008T012	RN350T00012
1 1/4"-1 1/2"	RN30012T012	—
2"	RN30016T012	—
3"	RN30024T012	—

ME SERIES Valves				Marshall Globe and Angle Valves			
Part No.	Description	Inlet	Outlet	Service	Inlet & Outlet Connection	Type Number	
						Globe	Angle
ME-815-10	Full Port Angle Valve	1 1/4" FNPT	1 1/4"	LP-gas and NH3	1/2"	ME-825-4	ME-815-4
ME-825-10	Full Port Globe Valve	1 1/4" FNPT	1 1/4"			3/4"	ME-825-6
ME-826-10	Full Port Angle Valve	1 1/4" FNPT	1 3/4" M. Acme		1"		ME-825-8
ME-827-10	Full Port Globe Valve	1 1/4" FNPT	2 1/4" M. Acme	Replacement Parts: ME-815-K - Marshall 1/2" - 1" bonnett assembly ME-815-SRK - Marshall 1/2" - 1" repair kit			
ME-825-16	Full Port Angle Valve	2" FNPT	2" FNPT				
ME-826-16	Full Port Globe Valve	2" FNPT	2" FNPT				
ME-828-16	Full Port Globe Valve	2" FNPT	3 1/4" M. Acme				
* To order Teflon or Viton Seal add "T" for Teflon and "V" for Viton after the prefix part number, i.e., ME-815T-10 or ME-815V-10							



ME SERIES Accessories	
Part No.	Description
ME-H225	1 1/4" MNPT Hydrostatic Relief Valve 440 PSIG, 1 1/6" OAL, Brass
ME-H225SS	1 1/4" MNPT Hydrostatic Relief Valve 440 PSIG, 1 1/6" OAL, Stainless Steel
ME-H25/450	1 1/4" MNPT Hydrostatic Relief Valve 450 PSIG, 1 59/64" OAL, Brass
ME-J402S	1 1/4" MNPT Liquid Vent Valve w/Tee Handle, Stainless Steel
ME-829	Universal E-Z Turn Knob & Bolt Kit
ME SERIES Replacement Parts	
ME-815-10BRK	1/4" Angle & Globe Valve Complete Bonnet Assembly
ME-815-10SRK	1 1/4" Angle & Globe Valve Replacement Seal Repair Kit
ME-815-16BRK	2" Angle & Globe Valve Complete Bonnet Assembly
ME-815-16SRK	2" Angle & Globe Valve Replacement Seal Repair Kit
ME-815-10/16HRK	1 1/4" & 2" Angle & Globe Valve Replacement Handle & Retaining Nut

LIQUID TRANSFER VALVES



SHERWOOD 2341 SERIES

Liquid transfer valve used for withdrawing liquid from a ASME tank's liquid withdrawal valve. Use with checkmate adapter shown on page 11.

Part#	Inlet	Outlet	Integral Excess Flow Valve
PV2341	3/4" NGT	3/4" FNPT	NO
PV2341A	3/4" NGT	1/2" FNPT	NO
PV2341X	3/4" NGT	3/4" FNPT	YES (19.5 GPM)
PV2341AX	3/4" NGT	1/2" FNPT	YES (19.5 GPM)



FISHER N456



Attaches to a liquid withdrawal valve in ASME tank. Valve assembly consists of a N450-06 angle valve, a M455 inlet adaptor, a 1 3/4" male Acme Adapter, and cap and chain.



SQUIBB-TAYLOR AL1596

Liquid withdrawal valve with 49 GPM excess flow valve and integral hydrostatic relief valve. 1 1/4" inlet x 1" outlet. Designed for installation in 1 1/4" liquid opening in bottom of ASME tank.

QUICK ACTING HOSE END VALVES



FISHER N480



Long-nosed 1-3/4" Acme filler connector will not open even with the operating lever in the open position unless it is connected to the Acme filler valve on the tank. The N480 includes a M570 filler hose adaptor which may be left on the filler valve. In case the filler valve does not seal shut properly, the check valve in the M570 prevents further leakage.

INLET: 1" FNPT
OUTLET: 1-3/4 F ACME

Spare Parts available:

T13098 SPACER
T13103 WASHER

Caution: Other brands of filler hose adaptors should not be used with the N480 because they could allow accidental opening of the valve. The N480 may be used without the M570 adaptor attached. It can also be used in NH₃ if the brass adaptor is not attached.

MARSHALL EXCELSIOR ME-800

1" FNPT x 1 3/4" F. ACME quick acting hose end valve

ME-800XT

Same as above but is 6" longer for easier use on underground tanks.



QUICK ACTING HOSE END VALVES (CONTINUED)



SQUIBB-TAYLOR AL424

Special Quick Acting Acme Filling Minimum bleed Coupling and Valve

A special locking clip on a spring actuated locking handle minimizes the chance of accidental opening. By locating the seat disc in the bottom of the filler coupling, the AL343P minimizes leakage when disconnecting. Ball bearings in the seat disc assembly allow the entire assembly to rotate when the disc touches the seat. This helps prevent wear and cutting of the disc, giving longer service life.

Part #	Inlet	Outlet
AL424	3/4"	1-3/4" F. Acme

GASGUARD LG1E

Minimum Bleed "Gasoline - Style" motor fuel dispensing nozzle. Safety features: must be connected to a filler valve to open. Cannot be disconnected from filler valve while lever is in open position.

INLET: 3/4" FNPT

OUTLET: 1-3/4" Acme



GASGUARD LG20

Same as LG1E but has longer nozzle.

SHERWOOD LV440/440L SERIES

Quick Acting Valves. 440L series has a locking handle



Part#	Inlet	Outlet
LV440 or LV440L	1/4" FNPT	1/4" FNPT
LV440A or LV440AL	3/8" FNPT	3/8" FNPT
LV440B or LV440BL	1/2" FNPT	1/4" FNPT
LV440C or LV440CL	1/2" FNPT	1/2" FNPT

Repair Kits: 440-50-KIT or 440-50L-KIT

BE 3L-06 3 Way Valve

3/4" bottom entry 3 way positive shut off valve. Body is forged brass with teflon seats and seals. Rated to 350 psi.



QUICK ACTING HOSE END VALVES (CONTINUED)



**SQUIBB-TAYLOR
AL416P AND AL417P**

Quick Acting Hose End Valve with 1/4" plugged port

Part #	Size
AL416P	1/2" Globe
AL417P	3/4" Globe



SQUIBB-TAYLOR AL422

Minimum bleed shutoff valve
POL x 3/4" FNPT



SQUIBB-TAYLOR AL423

Minimum bleed shutoff valve
QCC x 3/4" FNPT



**MARSHALL QUICK-ACTING
HOSE END VALVES**

Full port - black or stainless steel

Part #	Size	Material
ME-820-4	1/2"	Globe
ME-810-4	1/2"	Angle
ME-820-6	3/4"	Globe
ME-810-6	3/4"	Angle
ME-820-8	1"	Globe
ME-810-8	1"	Angle



REPAIR KITS

ME-815-K 1/2"-1" globe/angle valve replacement bonnet.

ME-815-SRK 1/2" - 1" globe/angle seal repair kit.

MARSHALL HOSE SWIVEL

For use with all hose end valves. The swivel action makes connection of hose end valve to filler valve much easier.



Item#	Connection Size
ME-850SS-6	3/4" MNPT x 3/4" FNPT
ME-850SS-6/8	1" MNPT x 3/4" FNPT
ME-850SS-8	1" MNPT x 1" FNPT
ME-850SS-8/6	3/4" MNPT x 1" FNPT

**RUB BALL VALVE WITH
LOCKING HANDLE**



You can lock the valve closed with a padlock for after hours security.

ITEM#	SIZE
R100-706H	1 1/4"
R100-708H	2"

BALL VALVES



RUB BALL VALVE

Inexpensive 2-piece forged full port brass valve for vapor or liquid service (400 psig WOG)

Part#	Size
R100-701	1/4"
R100-702	3/8"
R100-703	1/2"
R100-704	3/4"
R100-705	1"
R100-706*	1 1/4"
R100-707*	1 1/2"
R100-708*	2"
R100-712	3"

* Add "H" to part # for locking handle.



**JOMAR UNION END BALL
VALVES**

Same as J100 series but has built in union on one end.

Part#	Size
J160-102	3/8"
J160-103	1/2"
J160-104	3/4"
J160-105	1"

**JOMAR CARBON STEEL FULL
PORT DOUBLE UNION BALL
VALVE**



Part #	Size
J100-996	1 1/4"
J100-997	1 1/2"
J100-998	2"

**JOMAR "BOLTED" 3 PIECE BALL
VALVE**

Full port - black or stainless steel



Part #	Size	Material
J500-306	1 1/4"	Stainless
J500-406	1 1/4"	Black
J500-307	1 1/2"	Stainless
J500-407	1 1/2"	Black
J500-308	2"	Stainless
J500-408	2"	Black

B

NEEDLE VALVES



STEEL NEEDLE VALVES

Part#	Size
NV02A	1/4" FPT x 1/4" FPT Angle Valve
NV02A-1	1/4" MPT x 1/4" FPT Angle Valve
NV02G	1/4" FPT x 1/4" FPT Globe Valve



BRASS NEEDLE VALVES

Part#	Size
R1224W	1/4" MPT x 1/4" MPT
SV332	1/4" FPT X 1/4" FPT
VA108	1/8" MPT x 1/8" MPT



Part#	Size
PV10ARF	1/4" Flare x 1/4" MPT, w/54 orifice
PV10DRF	1/4" Flare x 1/4" MPT

LOG LIGHTER VALVES



Part#	Description	Escutcheon
L102-803	1/2" Straight Valve	Chrome
L102-804PB	1/2" Straight Valve	Brass
L102-813	1/2" Angle Valve	Chrome
L102-814PB	1/2" Angle Valve	Brass
L102-827	10" Brass Key	

BALL VALVES - LOW PRESSURE

We stock valves manufactured by Jomar, Legend, and Rub. The Jomar valves have a "T" style handle that can be removed and reversed to lock the valve. The Legend and Rub have a "teardrop" handle that allows for installation close to a wall or floor where "T" handle valves will not open or close because of interference with the wall or door. The valves with a L prefix are available only from Legend. The valves with a J prefix can be ordered from Rub by substituting an R for the J in the part number.



FNPT X HOSE BARB

Part#	Size	Carton Qty.	Side Tap
L102-413	1/2" FNPT x 1/8" MNPT/Hose Barb	10	NO



FNPT X FNPT

Part#	Size	Carton Qty.	Side Tap
J101-402	3/8" FNPT	12	NO
J101-403	1/2" FNPT	12	NO
J101-404	3/4" FNPT	12	NO
L102-105	1" FNPT	10	NO
J102-302	3/8" FNPT	10	YES
J102-303	1/2" FNPT	10	YES
J102-304	3/4" FNPT	10	YES

LOW PRESSURE VALVES (CONTINUED)



FNPT X FLARE

Part#	Size	Carton Qty.	Side Tap
J101-502	1/2" FNPT x 3/8" FL	14	NO
J101-503	1/2" FNPT x 1/2" FL	14	NO
L102-118	3/4" FNPT x 1/2" FL	10	NO
L101-504	3/4" FNPT x 5/8" FL	10	NO



FLARE X FLARE

Part#	Size	Carton Qty.	Side Tap
J101-601	3/8" FL x 1/2" FL	12	NO
J101-602	3/8" FL x 3/8" FL	12	NO
J101-603	1/2" FL x 1/2" FL	12	NO
J101-604	5/8" FL x 5/8" FL	12	NO
J102-402	3/8" FL x 3/8" FL	10	YES
J102-403	1/2" FL x 1/2" FL	12	YES
J102-404	5/8" FL x 5/8" FL	10	YES



MNPT X FLARE

Part#	Size	Carton Qty.	Side Tap
J101-702	1/2" MNPT x 3/8" FL	12	NO
J101-703	1/2" MNPT x 1/2" FL	12	NO
J102-413	3/4" MNPT x 3/8" FL	10	YES

HEATER VALVES



ANGLE HEATER VALVES

Part#	Size
ME-90NL-02	3/8" x 1/4"
ME-90NL-03	3/8" x 3/8"



STRAIGHT HEATER VALVE

Part#	Size
ME-82NL-02	3/8" x 1/4"

VALVE GREASE



QVA126

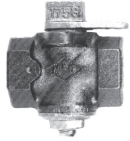
2 oz. tube of Graphite Valve Grease

LOCK WING METER VALVES



BRASS VALVES

Part#	Size
GV217-1/2	1/2"
S80E41	3/4"



BLACK IRON VALVES

Part#	Size
AYM560B-04	1/2"
AYM560B-06	3/4"



8509910 BARRELL LOCK

Locks Meter Stop Valves.

8610005 KEY

Extra Key for 8509910 Lock.

POL SWIVEL CONNECTORS



MALE SWIVEL POL

Part#	Male Outlet	Extras
1685	1/4" NPT	NONE
MG1638	1/4" NPT	Soft-Nose & 60 drill orifice
ME-M345	1/4" NPT	90° Angle Outlet

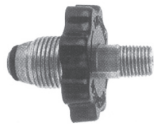


MALE SWIVEL POL WITH EXCESS FLOW VALVE

Part#	Male Outlet	Extras
MG1690*	1/4" NPT	NONE
MG1641*	1/4" NPT	Soft "O" Ring Nose
MG1613**	1/4" NPT	NONE

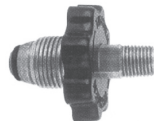
*725,000 BTU/hr excess flow capacity at 100 psig

**1.8 GPM excess flow capacity



MALE POL W/ HANDWHEEL W/ SOFT "O" RING NOSE

Part #	Male Outlet	Extras
MG1654	1/4" NPT	Plastic Handwheel
MG1654A	1/4" NPT	Brass Handwheel

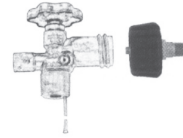


MALE POL W/ HANDWHEEL AND EXCESS FLOW VALVE

Part #	Male Outlet	Extras
MG1653	1/4" NPT	Plastic handwheel
MG1653A	1/4" NPT	Brass Handwheel
MG1645	9/16"-18LH	Plastic Handwheel
MG1645A	9/16"-18LH	Brass Handwheel

GAS GRILL QUICK CONNECT COUPLINGS

TYPE 1 COUPLINGS



MG1855-A03

TYPE 1 COUPLING

1/4" NPT X 1-5/16" ACME

Connects the grill regulator to the Sherwood 3349 (Type 1) valves shown on pg 7. Provides up to 200,000 btu/hr excess flow protection and thermal shutoff protection for grill cylinders.

MG1850

QCC ACME PURGING COUPLING



The POL nipple of this coupling has an unthreaded outlet and does not have an excess flow device. When it's attached to the 3349 valve, it holds the valve's internal check valve open for easy purging.

MG1899P

QCC ACME ADAPTOR FOR STANDARD POL VALVES



Install this UL listed adaptor into a standard POL valve on a 20-lb cylinder and that valve can then accept the Acme thread of the MG1851 QCC coupling. And because this adaptor has an internal check valve, it gives the standard POL valve the safety feature of the 3349 QCC valve.

TYPE 2 COUPLINGS

Male Quick-disconnect by 1/4" MNPT Plug

Connects the grill regulator to a quick-disconnect cylinder valve shown on page 8.



5LPA8C

5LPA11C

Same as 5LPA8C but it has a check valve.



5LP510BK

Quick-Disconnect Adaptor for Standard POL Valves.