

NH₃ Valves



Liquid Fill or Vapor Valve

1-1/4" MPT x 1-3/4" Acme with plugged 1/4" FPT side port

The **A525P** consists of a service valve, a filling connection and an excess flow valve.



A525P
Top Outlet

Filling Rate*

SERVICE	DIFFERENTIAL PRESSURE, PSIG					
	5	10	20	30	40	50
NH ₃	46 gpm	62 gpm	85 gpm	98 gpm	114 gpm	119 gpm
LP-gas	39 gpm	56 gpm	76 gpm	90 gpm	104 gpm	114 gpm

* Caution: 1.68" minimum I.D. dip tube must be used to obtain filling rates.

A520R & A521P

Liquid Withdrawal Valves

1-1/4" MPT x 1" FPT Outlet

Consist of a service valve and an excess flow valve

A520R has a built-in "Tri-Gard" internal relief valve that bleeds product back to the tank when hose pressure exceeds tank pressure by 50 PSI. In this way hose life is extended and chance of hose rupture is reduced.

A521P has a 1/4" FPT plugged side port which can be used for installation of a hydrostatic valve.

Excess flow housing will not fit some older tanks with small dip tube.



A520R

Valve No.	Withdrawal * Rate	Differential Closing Pressure
A520R & A521P	45 gpm	13 psig

* Caution: 1.68" minimum I.D. dip tube must be used to obtain withdrawal rates.

Part No.		10+ DISCOUNT
ST A525P	Filler Valve	5%
ST A520R	Withdrawal Valve with internal Relief. ...	5%
ST A521P	Withdrawal Valve	5%

- Discounts Not Assorted -

High Flow Valves for Riser Service Only



AR491NP-70

AR491NP-70 Liquid or Vapor Valve, 2" MPT by 1" FPT outlet. 1/4" Plug.

AR492NP-70 Liquid Withdrawal Valve, 2" MPT by 1-1/4" FPT outlet. 1/4" Plug.

Valve No.	Excess Flow Checks at:
AR491NP-70	70 gpm
AR492NP-70	70 gpm
A493NR-95	95 gpm
A494NR-110	110 gpm

A493NR-95 High Volume Riser valve with 2" MPT x 1-1/4" FPT connections and fitted with a Hydrostatic relief. For Use with 1-1/4" hoses.

Part No.		10+ DISCOUNT
ST AR491NP-70	Riser Valve, 2" x 1", 70 GPM	5%
ST AR492NP-70	Riser Valve - 2" x 1-1/4", 70 GPM ...	5%
ST A493NR-95	Riser Valve 2" x 1-1/4", 95 GPM	5%
ST A494NR-110	Riser Valve 2" x 1-1/4", 110 GPM....	5%

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Hose End Valve

- Aluminum -

AL1520BF



5% Discount on 10+ - Not Assorted

Part No. ST AL1520BF

Hose End 1"

1" & 1-1/4" Hose End Globe Valves with bleeder valve and 6" Safety extension (Acme) installed.

High Flow Hose End Valves A330/1525 Series

Features: Y-Pattern, Increased Flow over Globe Valve • Light, but Rugged • Use 1-3/4" ACME or 2-1/4" ACME Filler Couplings with no adapters needed • Field Serviceable • 1/4" Recessed Plugs for flow in either direction • Sold as valve only or as complete valve assembly with valve, filler coupling and bleeder assembled.



A1525/A1527

Part No.	Description
ST A330	1-1/4" x 1" Valve ONLY
ST A331	1-1/4" x 1-1/4" Valve ONLY
ST A334	1-1/2" x 1-1/2" Valve ONLY *
ST A1525	1-1/4" x 1-3/4" Female Acme Hose End Assembly ...
ST A1527	1-1/4" x 2-1/4" Female Acme Hose End Assembly ...
ST A1528	1-1/4" x 2-1/4" Female Acme Hose End Assembly *
ST A1529	1-1/2" x 2-1/4" Female Acme Hose End Assembly *

* Lightweight Aluminum Body.

5% Discount on 10+ Of One Size

NH₃ Nurse Tank Valves

1-1/2" & 1-1/4"

For Liquid or Vapor Service

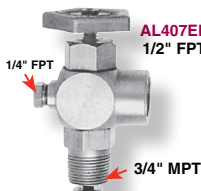


All Valves Include built in excess flow check at GPM noted and hydrostatic relief valve.



Part No.	Description
ST A484N-45	1-1/4" MPT x 1-1/4" FPT NH ₃ Liquid Valve, 45 GPM
ST A480N-45	1-1/2" MPT x 1-1/4" FPT NH ₃ Liquid Valve, 45 GPM
ST A480N-60	1-1/2" MPT x 1-1/4" FPT NH ₃ Liquid Valve, 60 GPM
ST A482N-45	1-1/2" MPT x 1-1/2" FPT NH ₃ Liquid Valve, 45 GPM
ST A482N-60	1-1/2" MPT x 1-1/2" FPT NH ₃ Liquid Valve, 60 GPM

Tank Service Valves

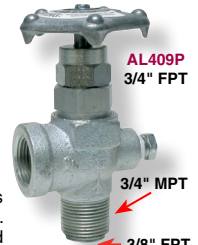


AL407EP
1/2" FPT
3/4" MPT

EXCESS FLOW CHECK

AL407EP Service Valves for NH₃ liquid or vapor designed for small applicator tanks with 1/2" FPT openings. An excess flow check assembly (12 GPM) is installed in the 3/4" inlet connection for protection in the event of accidental breakage. A 1/4" FPT opening is provided for the installation of a bleeder or hydrostatic relief valve, if desired. Construction consists of steel body, cadmium plated, Teflon stem packing, and long lasting nylon seat. Liquid withdrawal rate - 20 GPM - NH₃ @ 20 psi.

AL409P designed for liquid withdrawal service in small applicator tanks. The port through the seat is restricted in diameter in accordance with ANSI standards. A 1/4" FPT opening is provided for the installation of any desired accessory. Liquid withdrawal rate - 28 GPM - NH₃ @ 20 psi.



AL409P
3/4" FPT



AL407P
1/2" FPT
3/4" MPT

Vapor & Bleeder Valve

AL407P is designed for use as a manual vapor or bleeder valve. Construction is identical to and parts are interchangeable with the AL407EP & AL409P.

Part No.	FPT Outlet	MPT Inlet	Excess Flow Check	10+ DISCOUNT
ST AL407EP	1/2"	3/4"	Yes	5%
ST AL407P	1/2"	3/4"	No	5%
ST AL409EP	3/4"	3/4"	Yes	5%
ST AL409P	3/4"	3/4"	No	5%
ST 407-21	Repair Kit			

- Discounts Not Assorted -