

## Continental NH<sub>3</sub> Auto Rate Flow Control



**A-SF-3000GHY2-K**

Auto Rate Flow Control Kits Include:

- Heat exchanger
- Flow meter
- Y-Strainers
- Ball valves
- Motorized valves
- All pipe fittings
- Mounting brackets



PART#	CONNECTION SIZE	MOUNTING OPTION	FLOW RATING @ 100PSI WITH 1 1/4" HOSE	FLOW RATING @ 100PSI WITH 1 1/2" HOSE
A-SF-3000GT-KIT	1 1/2"	Single Unite Vertical Mount	30 GPM	45 GPM
A-SF-3000GH-K	1 1/2"	Single Unit Horizontal Mount	30 GPM	45 GPM
A-SF-3000BD-K	1 1/2"	Dual Welded Unit Horizontal Mount	45 GPM	70 GPM
A-SF-3000GHY2-K	2"	Single Unit Horizontal Mount	45 GPM	70 GPM

## Heat Exchangers

PART#	CONNECTION SIZE	MOUNTING OPTION	FLOW RATING @ 100PSI WITH 1 1/4" HOSE	FLOW RATING @ 100PSI WITH 1 1/2" HOSE
A-SF-3000GT	1 1/2"	Single Unite Vertical Mount	30 GPM	45 GPM
A-SF-3000GH	1 1/2"	Single Unit Horizontal Mount	30 GPM	45 GPM
A-SF-3000BD	1 1/2"	Dual Welded Unit Horizontal Mount	45 GPM	70 GPM

- 1 1/2" Fittings allows for more capacity and faster speeds in colder weather
- 13" high mounting brackets
- Flexible mounting options



**A-SF-3000BD**



**A-SF-3000GH**





## Raven NH3 Flow Control

### AccuFlow Vortex



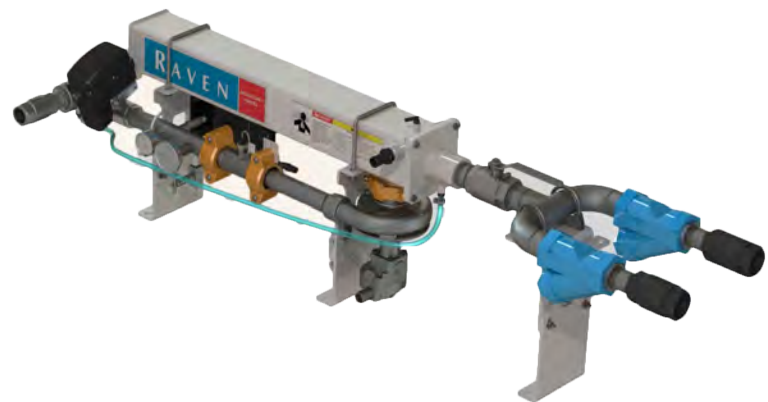
**AccuFlow Vortex**

PART#	DESCRIPTION
117-0171-712	Kit, NH3 Vortex, 1" Fast Valve
117-0171-711	Kit, NH3 Vortex, 1" Dual Valve
117-0171-612	Kit, AccuFlow Vortex, Single Inlet, Fast Valve
117-0171-613	Kit, AccuFlow Vortex, Single Inlet, Dual Valve
063-0173-663	Assembly, Vortex Cooler Only
117-0171-713	Kit Vortex Bracket & Pipe Adapter

- AccuFlow Vortex 1-inch Valve 3-30+ GPM
- AccuFlow Vortex 1 1/2 inch Valve 3-50 GPM
- Six-section NH3 control with Raven's AccuBoom and Switch Pro automatic on-off and VRA section control technology for maximum savings, efficiency and performance
- Two-valve option for maximum precision and performance—one valve opens/closes the system and the other controls the flow rate. Ideal for variable rate applications
- Single fast-valve option for a lower cost alternative with trusted savings and precision
- Convenient cooler disassembly for easier cleaning and maintenance, long life, and superior performance and reliability
- NH3 monitoring options in gallons or pounds per acre for your preference/situation
- Space-saver plumbing kits for both the two-valve and fast valve systems for added convenience when space is limited

### AccuFlow Vortex HP+

- HP Plus system with up to 80 GPM flow capacity
- Increased capacity and smaller footprint on the toolbar
- Increased application window
- Designed with safety in mind
- All trapped NH3 in the cooler and plumbing is bled out through the vapor lines away from operator
- Increased serviceability of major components
- Advanced control algorithms for high or low end operation
- Enhanced system diagnostics
- Automatic section shut off
- ISO compatible



**AccuFlow Vortex HP+**

PART#	DESCRIPTION
117-0171-571	Assembled KIT HP+ Fast Valve
117-0171-621	Unassembled KIT HP+ Fast Valve
117-0171-575	Kit, HP+ Pump Upgrade
416-1001-010	Pump, NH3, HP+



- NEW PRODUCTS
- EQUIPMENT
- LUCAS OIL PRODUCTS
- KNIVES & COULTER COMPONENTS
- TANKS
- PRECISION ELECTRONICS
- SPRAY TIPS
- NOZZLE BODIES
- SPRAY COMPONENTS
- PUMPS & METERS
- VALVES & STRAINERS
- FITTINGS & COUPLINGS
- NH3
- FUEL TRANSFER
- AG COMPONENTS
- PLANTER PRODUCTS

# N-Vision™

## Anhydrous Ammonia Sentry

N-Vision™ carefully monitors every drop of Anhydrous Ammonia providing a detailed look into the tank and plumbing system. With N-Vision™ extreme gains in productivity and the ultimate confidence in your application is achieved. Applying anhydrous blindly is a thing of the past. Correct application of nitrogen is critical to getting the highest yield from your crops. No more bad tanks, no more stopping early - just the application you want.

### Performance

- More acres per tank
- Tank empty detection
- Low tank supply alert
- Huge flow capacity
- 3-Dimensional straining

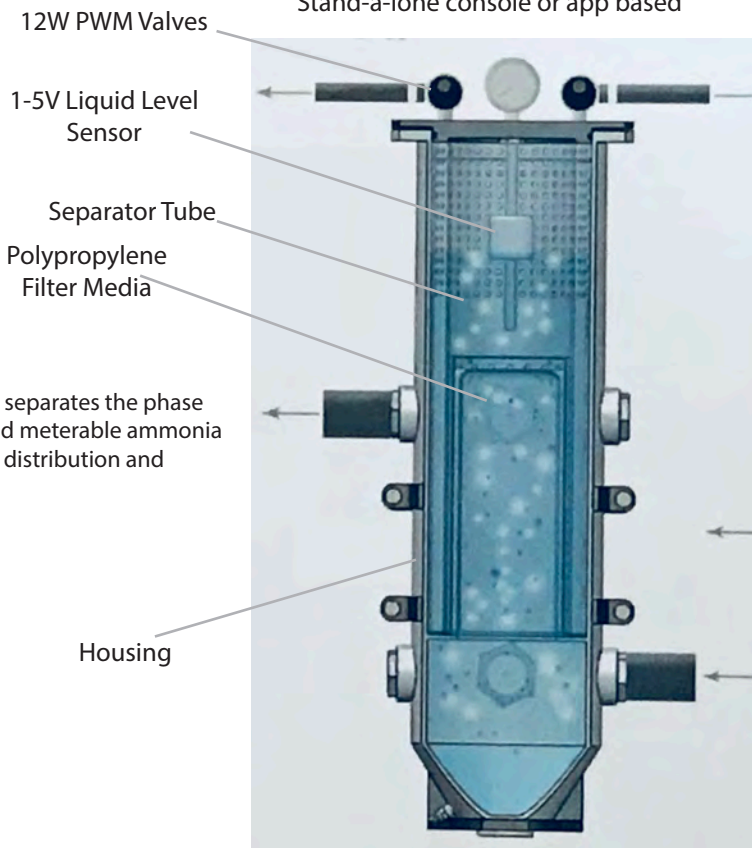
PART#	DESCRIPTION
620300-001	N-Vision System with Mount
118650-020	20' Extension Cable
620304-005	Maintenance Kit - 100 Micron Filter & Cap O-Ring
620305-100P	100 Micron Filter
620302-005	Cap O-Ring

### Value

- Productivity
- No vapor burn
- Low service
- Ultimate connectivity



Stand-a-alone console or app based



### 5. Outlet Flow

After the N-Vision separates the phase change, a pure and meterable ammonia is provided to the distribution and metering devices.

### 4. Vapor Flow to Row Unit

The liquid level setpoint is maintained by PWM valves to remove vapor to row units as more vapor enters the housing and rises to the top. This action provides a pure and meterable ammonia to the distribution and metering devices.

### 3. Separation

Once the ammonia mixture rises to the preset level determined by the liquid level sensor, the heavier liquid flows through perforations and down to the outlets. The lighter vapor rises upward and is maintained in a vapor head.

### 2. Filtration

Ammonia flows upward through 3-D filter media removing particulate.

### 1. Inlet Flow

Flow contains mixture of liquid and vaporous ammonia with particulate from supply tank.



## Globe Valves



PART#	INLET	OUTLET	REPAIR KIT
110280	1"	1"	119059
110320	1 1/4"	1 1/4"	119109
110355	1 1/2"	1 1/2"	119125
110375	2"	2"	119169



PART#	INLET	OUTLET	REPAIR KIT
B-1250	1"	1"	A-2212-RK
A-2425-H	1 1/4"	1 1/4"	A-2550H-RK
A-2450-H	1 1/2"	1 1/2"	A-2550H-RK
A-2600	2"	2"	A-26-RK



PART#	INLET	OUTLET	REPAIR KIT
B-1350	1"	1"	A-2212-RK
A-1625	1 1/4"	1 1/4"	A-25H-RK
B-1650	1"	1"	A-2212-RK
A-2525-H	1 1/4"	1 1/4"	A-25H-RK
A-2550-H	1 1/2"	1 1/2"	A-2550H-RK
A-2700	2"	2"	A-26-RK
A-2800	3"	3"	A-28-RK



PART#	INLET	OUTLET
A7510BP	1 1/4"	1 1/4"
A7514AP	2"	2"

## Hi-Flow Hose End Valves



PART#	INLET	OUTLET	BODY MATERIAL	REPAIR KIT
110333	1"	1"	Aluminum	119059
110334	1 1/4"	1"	Ductile Iron	119228
110336	1 1/4"	1 1/4"	Ductile Iron	119228
110338	1 1/4"	1 1/4"	Aluminum	119306
110337	1 1/2"	1 1/2"	Aluminum	119306



PART#	INLET	OUTLET
A7507AP	1"	1"
A7509BP	1 1/4"	1 1/4"
A7513AP	2"	2"
A7517AP	3"	3"

## Angle Valves



PART#	INLET	OUTLET	REPAIR KIT
110260	3/4"	3/4"	119039
110300	1"	1"	119059
110335	1 1/4"	1 1/4"	119109
110365	1 1/2"	1 1/2"	119125
110395	2"	2"	119169



PART#	INLET	OUTLET	STYLE
A7707L	1"	1"	GLOBE
A7708L	1"	1"	ANGLE



## Hose End Valve Assemblies



A-215-L



## Nurse Tank Valves

A-1201



A-1206



PART#	INLET	OUTLET	STYLE
A-215-L	1 1/4"	1 3/4" Female Acme	Globe
A-216-L	1 1/4"	2 1/4" Female Acme	Globe
A-217-L	1 1/2"	2 1/4" Female Acme	Globe

PART#	TANK CONNECTION	OUTLET	FLOW RATE
B-1201	1 1/4" MPT	1 3/4" M. Acme	42 GPM
B-1201-B	1 1/4" MPT	1 3/4" M. Acme	42 GPM
A-1201-C	1 1/4" MPT	1 3/4" M. Acme	42 GPM
B-1205	1 1/4" MPT	1" FPT & 1 3/4" ACME	45 GPM
B-1205-37	1 1/4" MPT	1" FPT & 1 3/4" ACME	37 GPM
B-1206-E	1 1/4" MPT	1" FPT	42 GPM
B-1206-F	1 1/4" MPT	1 1/4" FPT	42 GPM
*A-1406-F	1 1/4" MPT	1 1/4" FPT	45 GPM
*A-1406-G	1 1/4" MPT	1 1/2" FPT	45 GPM
*A-1507-F	1 1/2" MPT	1 1/4" FPT	60 GPM
*A-1507-F-45	1 1/2" MPT	1 1/4" FPT	45 GPM
*A-1507-G	1 1/2" MPT	1 1/2" FPT	60 GPM
*A-1708-GA	1 1/2" MPT	2 1/4" ACME	60 GPM

## Nurse Tank Valves



A8018



A8016DP



A8017DP

PART#	INLET CONN.	OUTLET CONN.	FILLING CONN.
A8018DP	1 1/4" MPT	1" FPT	1 3/4" M. Acme
A8016DP	1 1/4" MPT	N/A	1 3/4" M. Acme
A8017DP	1" MPT	1" FPT	N/A

\*High Flow



111155

## Nurse Tank Valves



111151

PART#	TANK CONN.	OUTLET	FILLING RATE	REPAIR KIT	SIDE OUTLET
111155	1 1/4" MNPT	1 3/4" M. Acme	100 GPM	119059	Plugged
111610	1 1/4" MNPT	1 3/4" M. Acme	75 GPM	119059	Plugged
111187	1 1/4" MNPT	1 3/4" M. Acme	93 GPM	119059	Plugged
110741	1 1/2" MNPT	1 1/2" FNPT	176 GPM	480-22	Plugged
110739	1 1/2" MNPT	1 1/2" FNPT	45 GPM	480-22	Plugged
110740	1 1/2" MNPT	1 1/2" FNPT	150 GPM	480-22	Plugged
111185	1 1/4" MNPT	1" FNPT	45 GPM	310-22	Built-In Relief
111190	1 1/4" MNPT	1" FNPT	45 GPM	310-22	Built-In Relief
111151	1 1/4" MNPT	1" FNPT	45 GPM	310-22	Plugged
110732	1 1/4" MNPT	1 1/4" FNPT	45 GPM	480-22	Plugged
110720	1 1/4" MNPT	1 1/4" FNPT	45 GPM	480-22	Plugged
110722	1 1/4" MNPT	1 1/4" FNPT	60 GPM	480-22	Plugged
110728	1 1/4" MNPT	1 1/2" FNPT	45 GPM	480-22	Plugged
110730	1 1/4" MNPT	1 1/2" FNPT	60 GPM	480-22	Plugged



### Riser Valves



PART#	INLET CONN.	OUTLET CONN.	FLOW RATE	REPAIR KIT
110591	2" MPT	1 1/4" FPT	95 GPM	119306

**\*\*DO NOT USE ON NURSE TANKS\*\***  
1/4" FNPT Side Outlet has Hydrostatic Relief

### Flo-Max Safety Couplers



113019

113026

PART#	DESCRIPTION	INLET	OUTLET
113026	FM126 Only (No Bracket)	1 1/4" FNPT	1 1/4" FNPT
113027	FM126 With RB Bracket	1 1/4" FNPT	1 1/4" FNPT
113028	FM126 With EZ Bracket	1 1/4" FNPT	1 1/4" FNPT
113202	FM150 With EZ Bracket	1 1/2" FNPT	1 1/2" FNPT
113023	RB Bracket	Fits FM126, FM125 & Pioneer 1" or 1 1/4"	
113019	FM126 EZ Bracket		



### Relief Valves



110750

110795

110815  
110816

PART#	PRIMARY APPLICATION	SIZE (MNPT)	RELIEF SETTING
110815	Piping & Hose	1/4"	350 PSI
110816	Piping & Hose	1/4"	450 PSI
110750	Storage & Nurse Tanks	3/4"	250 PSI
110795	Storage & Nurse Tanks	1 1/4"	250 PSI

### Vapor & Liquid Valves



PART#	MNPT	FNPT	RELIEF	RATE
110575	1 1/4"	1"	Plugged Side	70 GPM
110580	1 1/4"	1"	Hydrostatic	70 GPM
110590	1 1/4"	1 1/4"	Plugged Side	70 GPM
110595	1 1/2"	1 1/4"	Plugged Side	95 GPM



113065



113056

PART#	INLET	OUTLET	CAPACITY
*113051	1"	1"	55 GPM
*113056	1"	1"	77 GPM
*113059	1 1/4"	1 1/4"	126 GPM
113065	3" MPT x 2" FPT	3" MPT x 2" FPT	300 GPM

\*Includes Mounting Bar & Hardware Kit

#### FM126/125 REPLACEMENT PARTS

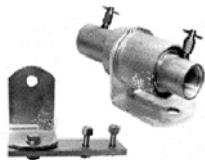
PART#	DESCRIPTION
113044	O-Ring & Tool Kit
113041	Plunger Kit
113046	O-Ring Kit
113048	Quad O-Ring Kit
119395	O-Ring FM Male Tip
113012	Safety Decal
119394	Male Plug
113047	Female Half
113049	Male Half
113022	Retaining Ring

#### FM150 REPLACEMENT PARTS

PART#	DESCRIPTION
113207	O-Ring & Tool Kit
113208	Plunger Kit
113209	O-Ring Kit
113210	Quad O-Ring Kit
113211	Quad O-Ring Female
113212	O-Ring FM Male Tip
113214	Safety Decal
113213	Male Plug
113205	Female Half
113206	Male Half



## Quick Disconnect Couplers



PART#	DESCRIPTION
A-HFC-114-LB	High Flow Coupler
A-HFC-114	1 1/4" Coupler with Bracket
A-HFC-112-G	1 1/2" Coupler with Bracket



PART#	DESCRIPTION
A-SWV-125	1 1/4" Quick Disconnect Coupler
A-SWV-150	1 1/2" Quick Disconnect Coupler
A-SWV125150-RK	Repair Kit (O-rings)
A-SWV125150-RBK	Rebuild Kit

## Riser Safety Shear



PART#	SIZE	FLOW RATE
A-53-RSS	1" MPT	53 GPM
A-72-RSS	1 1/4" MPT	72 GPM
A-98-RSS	1 1/4" MPT	98 GPM

## Replacement Shears

PART#	REPAIRS
53-RSS	A-53-RSS
72-RSS	A-72-RSS
98-RSS	A-98-RSS

## "C" Series Meters



PART#	INLET	OUTLET	MAX FLOW CAPACITY	SHUT OFF ASSEMBLY
C-2500-RPR	1" MPT	14 1/8" FPT	2500# Nitrogen Per Hour at 100# Tank Pressure	Rope Pull
C-2500-6572	1" MPT	14 1/8" FPT		Hydraulic Actuator
C-2503-RPR	1" MPT	1" FPT		Rope Pull
C-2503-6572	1" MPT	1" FPT	750-4200# Nitrogen Per Hour at 100# Tank Pressure	Hydraulic Actuator
C-4100-RPR	1" MPT	14 1/8" FPT		Rope Pull
C-4100-6572	1" MPT	14 1/8" FPT		Hydraulic Actuator
C-4103-RPR	1" MPT	1" FPT		Rope Pull
C-4103-6572	1" MPT	1" FPT	Hydraulic Actuator	Hydraulic Actuator

\*\*A-4125RS: Repair Kit for C-2500 & C-4100 Series Meters

## Super Flow Meter



PART#	INLET	OUTLET	MAX FLOW CAPACITY	SHUTOFF ASSEMBLY
B9500	1" FPT	1" FPT	6200# Nitrogen Per Hour at 100# Tank Pressure	Rotary Actuator
B-9500-M	1 1/4" MPT	1" FPT		
B-9500-B	1 1/4" MPT	1 1/4" FPT		

\*\*B-9500RS: Repair Kit for B-9500 Series Super Flow Meters

## Hydraulic Rotary Actuator



PART#	DESCRIPTION
R-6572	1" FPT or 1 1/4" FPT In-line Shutoff
R-9590	1" FPT Stand Alone Shutoff
R-9590-B	1 1/4" FPT Stand Alone Shutoff



### Manifolds



111670



111665



111259

PART#	DESCRIPTION
111670	21-Port Junior
111665	16-Port Sweet 16
111259	1" MNPT NH3 Manifold



PART#	DESCRIPTION
111655	2-Way Flow Splitter
111660	3-Way Flow Splitter
111675	4-Way Flow Splitter
111669	5-Way Flow Splitter



PART#	DESCRIPTION
IP-0600	Impellicone 6 Port
IP-1300	Impellicone 13 Port
IP-1800	Impellicone 18 Port



PART#	DESCRIPTION
A-360SP	Splitter 3 to 9 Sections
A-360-MA	Manifold 3-12 Outlet

### Male Acme x MNPT



PART#	MALE ACME	MNPT	ACME GASKET
111415	1 3/4"	1/2"	119337
111420		3/4"	
111425		1"	
111431		1 1/4"	
111569		1 1/2"	
111537	2 1/4"	1"	126670
111539		1 1/4"	
111570		1 1/2"	
122055		2"	
111546	3 1/4"	2"	122673
111556		3"	



PART#	MALE ACME	MNPT	ACME GASKET
A-524A	1 3/4"	1/2"	22-71F
A-524		3/4"	
A-524B		1"	
A-524C		1 1/4"	
A-532	2 1/4"	2"	A-532-2
A-534			
A-540	3 1/4"	2"	
A-542			

### Male Acme x FNPT



PART#	MALE ACME	FNPT	ACME GASKET
111466	1 3/4"	1"	119337
122055	2 1/4"	1 1/4"	126670
111561	3 1/4"	2"	122673
111566		3"	



NEW PRODUCTS  
EQUIPMENT  
LUCAS OIL PRODUCTS  
KNIVES & COULTER COMPONENTS  
TANKS  
PRECISION ELECTRONICS  
SPRAY TIPS  
NOZZLE BODIES  
SPRAY COMPONENTS  
PUMPS & METERS  
VALVES & STRAINERS  
FITTINGS & COUPLINGS  
NH3  
FUEL TRANSFER  
AG COMPONENTS  
PLANTER PRODUCTS





PART#	MALE ACME	FNPT	ACME GASKET
A-1103	1 3/4"	1/2"	22-71F
A-525		3/4"	
A-525B		1"	
A-544	3 1/4"	2"	A-540-2

## Male Acme x Male Acme



PART#	MALE ACME SIZES	ACME GASKET
111436	1 3/4" x 1 3/4"	ST-1102A-16
111446	2 1/4" x 2 1/4"	ST-1E8126
122107	3 1/4" x 3 1/4"	ST-1E8128
122109	4 1/4" x 4 1/4"	T10948

## Acme Adaptor Caps



PART#	MALE ACME	FEMALE ACME
150573	1 3/4"	2 1/4"
122131	1 3/4"	3 1/4"
122135	3 1/4"	4 1/4"



PART#	MALE ACME	FEMALE ACME
A-580	1 3/4"	1 3/4"
A-582	1 3/4"	2 1/4"
A-584	1 3/4"	3 1/4"

## SS Flex Connectors



CONNECTION SIZE	MATERIAL
1 1/4"	Stainless Steel Double Braid w/ Hex Wrenching Flats
2"	
3"	

\*\*Multiple Sizes Available



## Parking Plugs



111462

111500



PART#	SIZE	INCLUDES
111461	1 3/4" Male Acme	N/A
111462	1 3/4" Male Acme	Bolt, Nut & Washer
111500	2 1/4" Male Acme	N/A

## Swivel Unions



PART#	PIPE SWIVEL	PIPE THREAD
230153	1" FNPT	1" MNPT
230157	1 1/4" FNPT	1 1/4" MNPT
230263	1 1/2" FNPT	1 1/2" MNPT

## Filler Couplings



TYPE A



TYPE B

TYPE C



PART#	COUPLING	F. ACME	INLET CONN.
110665	TYPE A	1 3/4"	1/2" MNPT
110670			3/4" MNPT
110675			1" MNPT
110683	TYPE B	2 1/4"	1 1/4" MNPT
110686			2" MNPT
122155			3" FNPT
110641	TYPE C	1 3/4"	3/4" MNPT
110645			1" MNPT
A-577-B			1" MNPT
A-577-C			1 1/4" MNPT
A-577-D			1 1/4" MNPT
110650			1 1/4" MNPT
A-577-G		2 1/4"	1 1/2" MNPT
110651		1 1/2" MNPT	



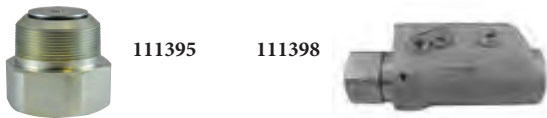


### Excess Flow Valves



PART#	TYPE	INLET CONN.	OUTLET CONN.
111335	TYPE A	1 1/4" MNPT	1 1/4" FNPT
111381		2" MNPT	2" FNPT
111356	TYPE B	2" MNPT	2" FNPT
111371		3" MNPT	2" FNPT
111340	TYPE C	1 1/4" MNPT	1 1/4" MNPT
111380		1 1/2" MNPT	1 1/2" MNPT
111347		2" MNPT	1 1/4" FNPT
111375		3" MNPT	2" MNPT
111382		3" MNPT	2" MNPT
111361		2" MNPT	2" MNPT x 1 1/4" FNPT
111364		3" MNPT	3" MNPT x 2" FNPT
111365	3" MNPT	3" MNPT x 2" FNPT	

### Back Check Valves



PART#	APPLICATION	INLET CONN.	OUTLET CONN.
111385	Tanks or In-Line	1 1/4" MNPT	1 1/4" FNPT
111390		2" MNPT	2" FNPT
111395		3" MNPT	3" FNPT
111400		2" MNPT	2" MNPT
111398	In-Line Full Flow Swing Check	1 1/4" FNPT	1 1/4" FNPT
111399		1 1/2" FNPT	1 1/2" FNPT
120845		2" FNPT	2" FNPT
120847		3" FNPT	3" FNPT

### Reusable Hose Couplings



PART#	COUPLING TYPE	SIZE	HOSE I.D.
117296	Standard (Type A)	1" MNPT	1"
117316	Swivel (Type B)	1 3/4" Female Acme	1"

### Two-Bolt Clamp Hose Coupling



PART#	COUPLING TYPE	SIZE	HOSE I.D.
122206	Standard Outlet	1" MNPT	1"
117312		1" MNPT	1 1/4"
122211		1 1/4" MNPT	1 1/4"
122216		1 1/2" MNPT	1 1/2"
122221		2" MNPT	2"
122225		3" MNPT	3"

### RotaSeal Hose Swivels



PART#	SIZE	REPAIR KIT
112051	3/4" NPT	112052
112056	1" NPT	112057
112061	1 1/4" NPT	112065

### Liquid Level Vent Valves



PART#	DESCRIPTION	SIZE
111405	Fixed Liquid Level Gauge	1/4" MNPT
111410	Liquid Level Valve - Knurled Handle	1/4" MNPT
111411	Liquid Level Valve - Tee Handle	1/4" MNPT
A-411-S	Liquid Level Valve - Knurled Handle	1/4" MNPT
A-411	Liquid Level Valve - Tee Handle	1/4" MNPT



## Full Flow Y Fitting



PART#	INLET	OUTLET
Y-125	1 1/4" FNPT	1 1/4" FNPT
Y-150	1 1/2" FNPT	1 1/2" FNPT



PART#	SIZE	SCREEN MESH
YS 12-CI-0.25	1/4"	20
YS 12-CI-1.00	1"	20
YS 12-CI-1.25	1 1/4"	20
YS 12-CI-2.00	2"	20
YS 12-CI-3.00	3"	30

### REPLACEMENT PARTS FOR TITAN STRAINERS

PART#	DESCRIPTION
YS-12-1.00-SO	Replacement 20 Mesh Screen for 1"
YS-12-1.25-SO	Replacement 20 Mesh Screen for 1 1/4"
Y-12-1.00-G	Replacement Gasket for 1"
Y-12-1.25-G	Replacement Gasket for 1 1/4"
Y-12-2.00-G	Replacement Gasket for 2"

## Acme Gaskets



PART#	DESCRIPTION
126663	1 1/4" Acme
119337	1 3/4" Acme
126673	2 1/4" Acme
126673	3 1/4" Acme
128169	4 1/4" Acme
22-71-F	For 1 3/4" Dust Cap

## Senior NH3 Gauges



PART#	"H" DIMENSION	TANK DIAMETER	HEAD TYPE	MOUNT
130437	1"	41"	Aluminum	Top
130425	1"	46"	Aluminum	Top

"H" = Distance from tank surface to center of thread

## N-Serve SS Gauges



PART#	"H" DIMENSION	TANK DIAMETER	HEAD TYPE	MOUNT
290000	41"	24"	Stainless Steel	Top
290001	46"	30"	Stainless Steel	Top

"H" = Distance from tank surface to center of thread

## Acme Dust Caps



PART#	DESCRIPTION	ACME THREAD
111585	Nylon Cap w/ Chain	1 3/4"
110680	Iron Cap w/ Chain	1 3/4"
110696	Iron Cap w/ Chain	2 1/4"
110701	Iron Cap w/ Chain	3 1/4"



## NH3 Anhydrous Ammonia Gauges



PART#	SIZE	PSI	LM
2180DSX60	2 1/2"	0-60	1/4"
2180DSX160	2 1/2"	0-160	1/4"
2180DSX400	2 1/2"	0-400	1/4"
4180DSX60	4"	0-60	1/4"
4180DSX160	4"	0-160	1/4"
4180DSX400	4"	0-400	1/4"

## NH3 Compatible Hose



### N2000 Century Nylon-Braided Anhydrous Ammonia Hose



**Applications:** Anhydrous Ammonia hose for NH3 Nurse Tank usage

**Tube:** High grade low permeation EPDM

**Reinforcement:** Multiple high tensile textile braids

**Cover:** Black abrasion & weather resistant EPDM with green longitudinal stripe

**Recommended Fittings:** Swaged male pipe thread, interlocking clamp type

**Temperature Range:** -40°F to 180°F

**Branding:** Goodall N2000 Anhydrous Ammonia 350 PSI Max WP+ removal date; Embossed longitudinal stripe

**Warranty:** Pro-rates 6-year warranty

PART#	I.D	O.D	LBS/FT	PSI
N2000-100-*	1"	1.53"	0.58	350
N2000-125-*	1 1/4"	1.75"	0.67	350
N2000-150-*	1 1/2"	2.12"	0.88	350
N2000-200-*	2"	2.73"	1.31	350

\*Desired length in feet \*\*Also available in 3/8", 1/2", & 3/4"

### N2595 Stainless Steel-Braided Anhydrous Ammonia Hose



**Applications:** Anhydrous ammonia hose for NH3 nurse tank and riser usage

**Tube:** High-grade low permeation chlorobutyl

**Reinforcement:** High tensile stainless steel wire braids & textile

**Cover:** Black abrasion & weather resistant neoprene with grey longitudinal stripe

**Recommended Fittings:** Swaged male pipe thread, interlocking clamp type

**Temperature Range:** -40°F to 180°F

**Branding:** Goodall N2595 Anhydrous Ammonia 350 PSI Max WP+ removal date; Embossed longitudinal stripe

**Warranty:** Pro-rates 8-year warranty

PART#	I.D	O.D	LBS/FT	PSI
N2595-100-*	1"	1.52"	0.69	350
N2595-125-*	1 1/4"	1.84"	0.96	350
N2595-150-*	1 1/2"	2.12"	1.19	350
N2595-200-*	2"	2.74"	1.58	350

\*Desired length in feet \*\*Also available in 1/2", 3/4", & 3'

### V1180 Visall-Flo EVA NH3 Tubing



**Applications:** EVA Tubing for NH3, phosphoric acid, ammonia nitrate, NH3 solution, all liquid fertilizers, and most insecticides and pesticides

**Construction:** Ozone resistant EVA copolymer

**Temperature Range:** Softening point @ 148°F

**Packaging:** Cardboard reels

**Advantages:** Excellent permeability, resistance to gas & water vapor, excellent flexibility and toughness in low temperature, meets FDA requirements, black lasts 2X longer than clear

PART#	I.D	WALL	WEIGHT	PSI
V1180-038B	3/8"	0.098"	6.25	100
V1180-075B	3/4"	0.125"	13.80	100
V1180-050B	1/2"	0.11"	6.30	125

\*Available in 100', 250', & 500' lengths

\*\* Available in Clear at some locations\*\*



## Safety Decals



PART#	DESCRIPTION
SMV7	Slow Moving Vehicle
6-S276.8	SMV Illinois Compliant



PART#	DESCRIPTION
V45	Valve & Hose ID Set



PART#	DESCRIPTION
VOO	NH3 Transfer Instructions



PART#	DESCRIPTION
V1005	1005 NH3 Diamond



PART#	DESCRIPTION
V5-A-GRN	4" Curved NH3



PART#	DESCRIPTION
V2-B	2" Inhalation Hazard
V3-B	3" Inhalation Hazard



PART#	DESCRIPTION
V9	Caution & First Aid



PART#	DESCRIPTION
V5	10"x 24" Green NH3



PART#	DESCRIPTION
V3	Caution Ammonia



PART#	DESCRIPTION
V2-A	2" Green NH3
V38	3" Green NH3

## Safety Items



PART#	DESCRIPTION
2237	Non-Vented Safety Goggles



PART#	DESCRIPTION
3M6900	Full Facepiece Respirator
3M6300	Half Facepiece Respirator

\*\*Part# 3M6004 is the Replacement Respirator Filter



PART#	DESCRIPTION
MEM6212	Black PVC Gloves
BES7714R	Black PVC Gloves (Long)



PART#	DESCRIPTION
76411	5 Gallon Side Mount Water Tank

