



Contents Guides

Regal Gas Ammoniator Systems

Regal Gas Ammoniator Switchover Systems

Models 310, 310-1 and 316

Repair Kits





1044 S.E. Dixie Cutoff Road
Stuart, Florida 34994-3436

CONTENTS GUIDE 310

Revised October 1, 2025

MODEL 310

REGAL GAS AMMONIATOR

Direct Cylinder Mounted, Vacuum Operated

Available Maximum Feed Rates: 4, 10, 25, 50, 100 lbs/24 hrs, (75, 200, 500, 900, 2000 gms/hr)

Standard Package and Instructions Includes:

<u>Qty:</u>	<u>Part #</u>	<u>Description</u>
1	A-823	Vacuum Regulator with 3/8" vent and vacuum fittings
1	A-930-A	Ejector Assembly includes nozzle**, high/low pressure check valve, and 3/8" vacuum fitting
25 FT	VT-1	3/8" vent and vacuum tubing
10	G-201	Lead cylinder gaskets
1	Z-296	Rate valve tool
1	Z-297	Vent line bug screen

Approximate Shipping Weight: 8 lbs.

OPTIONAL EJECTORS:

- High Pressure Ejector **A-920-A**
- Low Pressure Ejector **A-921-A**

MODEL A-823 (Head ONLY)

VACUUM REGULATOR

Standard Package and Instructions Includes:

<u>Qty:</u>	<u>Part #</u>	<u>Description</u>
1	A-823	Vacuum Regulator with 3/8" vent and vacuum fittings
25 FT	VT-1	3/8" vent and vacuum tubing
10	G-201	Lead gaskets
1	Z-296	Rate valve tool
1	Z-297	Vent line bug screen

Approximate Shipping Weight: 7 lbs.

ACCESSORIES AVAILABLE

Smartvalves (Flow Pacing or Residual), Gas Detectors, Scales, Vacuum Monitor, Ton Container Adaptor, and More

**** NOZZLE CHART AND HYDRAULICS INFORMATION**

Refer to **Application Bulletin 1002** in the *Instruction Bulletin 1211* or *Instruction Bulletin 1900*



1044 S.E. Dixie Cutoff Road
Stuart, Florida 34994-3436

CONTENTS GUIDE 310-1

Revised October 1, 2025

MODEL 310-1

REGAL GAS AMMONIATOR

Direct Cylinder Mounted, Vacuum Operated with Remote Meter Assembly

Available Maximum Feed Rates: 4, 10, 25, 50, 100 lbs/24 hrs, (75, 200, 500, 900, 2000 gms/hr)

Standard Package and Instructions Includes:

<u>Qty:</u>	<u>Part #</u>	<u>Description</u>
1	A-803	Vacuum Regulator with 3/8" vent and vacuum fitting Assembly Note: Rate valve removed and opening plugged. Valve is on remote meter panel. Metering tube assembly replaced with plain glass tube.
1	A-255-A	Remote Meter Panel with 3/8" vacuum fittings (for wall mounting)
1	A-930-A	Ejector Assembly includes nozzle**, high/low pressure check valve, and 3/8" vacuum fitting
50 FT	VT-1	3/8" vent and vacuum tubing
10	G-201	Lead cylinder gaskets
1	Z-296	Rate valve tool
1	Z-297	Vent line bug screen

Approximate Shipping Weight: 10 lbs.

OPTIONAL EJECTORS:

- High Pressure Ejector **A-920-A**
- Low Pressure Ejector **A-921-A**

MODEL A-803 (Head ONLY)

VACUUM REGULATOR WITH PLAIN GLASS TUBE

Standard Package and Instructions Includes:

<u>Qty:</u>	<u>Part #</u>	<u>Description</u>
1	A-803	Vacuum Regulator with 3/8" vent and vacuum fitting with plain glass tube
25 FT	VT-1	3/8" vent and vacuum tubing
10	G-201	Lead gaskets
1	Z-296	Rate valve tool
1	Z-297	Vent line bug screen

Approximate Shipping Weight: 7 lbs.

ACCESSORIES AVAILABLE

Smartvalves (Flow Pacing or Residual), Gas Detectors, Scales, Vacuum Monitor, Ton Container Adaptor, and More

** NOZZLE CHART AND HYDRAULICS INFORMATION

Refer to **Application Bulletin 1002** in the Instruction Bulletin 1211 or Instruction Bulletin 1900



1044 S.E. Dixie Cutoff Road
Stuart, Florida 34994-3436

CONTENTS GUIDE 310-1

Revised October 1, 2025

MODEL AFP-100 Additional Point(s)

Up to 100 ppd maximum

Total combined feed rate cannot exceed 100 ppd

Each additional point includes:

<u>Qty:</u>	<u>Part #</u>	<u>Description</u>	
1	A-255-A	Remote Meter with 3/8" vacuum fittings	
1	A-930-A	Ejector Assembly includes nozzle**, high/low pressure check valve, and 3/8" vacuum fitting	
25 FT	VT-1	3/8" vent and vacuum tubing	
1	ZZ-253	3/8" vacuum tubing tee	Approximate Shipping Weight: 2 lbs.

OPTIONAL EJECTORS:

- High Pressure Ejector **A-920-A**
- Low Pressure Ejector **A-921-A**

ACCESSORIES AVAILABLE

Smartvalves (Flow Pacing or Residual), Gas Detectors, Scales, Vacuum Monitor, Ton Container Adaptor, and More

**** NOZZLE CHART AND HYDRAULICS INFORMATION**

*Refer to **Application Bulletin 1002** in the Instruction Bulletin 1211 or Instruction Bulletin 1900*

MODEL 316

REGAL GAS AMMONIATOR

Direct Cylinder Mounted, Vacuum Operated

Available Maximum Feed Rates: 4, 10, 25, 50, 100 lbs/24 hrs, (75,200, 500, 900, 2000 gms/hr)

Standard Package and Instructions Includes:

Qty:	Part #	Description
2	A-817	Vacuum Regulator with 3/8" vacuum fittings
Assembly Note: Flowmeter and rate valve are on remote meter panel		
1	A-255-A	Remote Meter Panel with 3/8" vacuum fittings (for wall mounting)
1	A-300-AV1	Pressure Relief (Vent) Valve with 3/8" vent and vacuum fittings and wall mounting bracket
1	A-930-A	Ejector Assembly includes nozzle**, high/low pressure check valve, and 3/8" vacuum fitting
50 FT	VT-1	3/8" vent and vacuum tubing
10	G-201	Lead cylinder gaskets
1	Z-296	Rate valve tool
1	Z-297	Vent line bug screen
Approximate Shipping Weight: 17 lbs.		

OPTIONAL EJECTORS:

- High Pressure Ejector **A-920-A**
- Low Pressure Ejector **A-921-A**

MODEL A-817 (Head ONLY)

SWITCHOVER VACUUM REGULATOR 100 PPD

Standard Package and Instructions Includes:

Qty:	Part #	Description
1	A-817	Vacuum Regulator with 3/8" vacuum fittings
25 FT	VT-1	3/8" vent and vacuum tubing
10	G-201	Lead gaskets
1	Z-296	Lead gasket remover
1	Z-297	Vent line bug screen
Approximate Shipping Weight: 7 lbs.		

ACCESSORIES AVAILABLE

Smartvalves (Flow Pacing or Residual), Gas Detectors, Scales, Vacuum Monitor, Ton Container Adaptor, and More

** NOZZLE CHART AND HYDRAULICS INFORMATION

Refer to **Application Bulletin 1002** in the Instruction Bulletin 1216 or Instruction Bulletin 1900



1044 S.E. Dixie Cutoff Road
Stuart, Florida 34994-3436

CONTENTS GUIDE 316

Revised October 1, 2025

MODEL AFP-100 Additional Point(s)

Up to 100 ppd maximum

Total combined feed rate cannot exceed 100 ppd

Each additional point includes:

<u>Qty:</u>	<u>Part #</u>	<u>Description</u>	Approximate Shipping Weight: 2 lbs.
1	A-255-A	Remote Meter Panel with 3/8" vacuum fittings	
1	A-930-A	Ejector Assembly includes nozzle**, high/low pressure check valve, and 3/8" vacuum fitting	
25 FT	VT-1	Tubing	
1	ZZ-253	3/8" vacuum tubing tee	

OPTIONAL EJECTORS:

- High Pressure Ejector **A-920-A**
- Low Pressure Ejector **A-921-A**

ACCESSORIES AVAILABLE

Smartvalves (Flow Pacing or Residual), Gas Detectors, Scales, Vacuum Monitor, Ton Container Adaptor, and More

**** NOZZLE CHART AND HYDRAULICS INFORMATION**

*Refer to **Application Bulletin 1002** in the Instruction Bulletin 1216 or Instruction Bulletin 1900*



CHLORINATOR AND EJECTOR REPAIR KIT CONTENTS GUIDE

1044 S.E. Dixie Cutoff Road
Stuart, Florida 34994-3436

Revised October 1, 2025

RK-200-A SPECIFY PPD

REBUILD KIT FOR AMMONIATOR VACUUM REGULATOR HEADS ONLY 10 & 25 PPD)

****2 Kits Required for Switchover Models**

Kit includes:

<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
B-230	1	DIAPHRAGM
GA-202	2	METER TUBE GASKETS
SA-301	1	INDICATOR SEAL
SA-302	2	CHECK VALVE SEAL AND RV PLUG SEAL
SA-401	1	VENT SEAL
SA-402	1	INLET VALVE SEAT SEAL
SA-403	1	BODY SEAL
SA-404	3	ADAPTOR FACE SEAL & RV SEAT SEAL
SA-406	1	INLET ADAPTOR PLUG O.D. SEAL
SA-407	1	DIAPHRAGM PLATE SEAL
SA-408	1	DIAPHRAGM BODY SEAL
SA-409	1	VACUUM SEAL
SA-413	1	BACK BODY INLET & SEAT SEAL
Y-275	1	FILTER
YV-210	1	INLET VALVE SEAT

RK-930-A

REBUILD KIT FOR AMMONIA EJECTOR A-930-A Kit includes:

<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
E-303	1	DIAPHRAGM BOLT
E-304	1	DIAPHRAGM
E-305	1	DIAPHRAGM NUT
G-203	1	EJECTOR CHECK VALVE SEAT GASKET
G-204	2	EJECTOR BODY GASKET
SA-302	1	O-RING
SA-405	1	CHECK VALVE SEAT O-RING
SA-417	1	BALL SEAL O-RING
E-556	1	BALL FOR CHECK VALVE

RK-200-A SPECIFY PPD

REBUILD KIT FOR AMMONIATOR VACUUM REGULATOR HEADS ONLY 50 & 100 PPD)

****2 Kits Required for Switchover Models**

Kit includes:

<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
B-230	1	DIAPHRAGM
GA-502	1	METER TUBE GASKETS
GA-503	1	METER TUBE GASKETS (LOWER)
SA-301	1	INDICATOR SEAL
SA-302	2	CHECK VALVE SEAL AND RV PLUG SEAL
SA-401	1	VENT SEAL
SA-402	1	INLET VALVE SEAT SEAL
SA-403	1	BODY SEAL
SA-404	3	ADAPTOR FACE SEAL & RV SEAT SEAL
SA-406	1	INLET ADAPTOR PLUG O.D. SEAL
SA-407	1	DIAPHRAGM PLATE SEAL
SA-408	1	DIAPHRAGM BODY SEAL
SA-409	1	VACUUM SEAL
SA-413	1	BACK BODY INLET & SEAT SEAL
Y-275	1	FILTER
YV-210	1	INLET VALVE SEAT

