



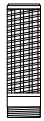
1/2" Sample Port  
 Sluice Isolation Valve (x2)  
 P/N: BV-1.5SS-MxF  
 1-1/2" Resin Outlet  
 88.38"  
 67.63"  
 RESIN SLURRY OUTLET  
 Pump Tube  
 .015" Slot Safety Screen  
 .007" Slot Retention Elements  
 Pump Lift Bail  
 2" Pump Discharge  
 PP-100SC Pump  
 .015" Slot Inlet Safety Screen  
 2" Water Inlet  
 Vessel Lift Ear  
 Vessel Ø 36.00" OD  
 RESIN FILL LINE  
 FLOW  
 .007" Slot Retention Elements

.007" Slot Retention Elements  
 2" Water Inlet  
 Vessel Lift Ear  
 1-1/2" Resin Outlet  
 1-1/2" Resin Inlet  
 PP-100SC Pump (Water Outlet)  
 2" Water Inlet

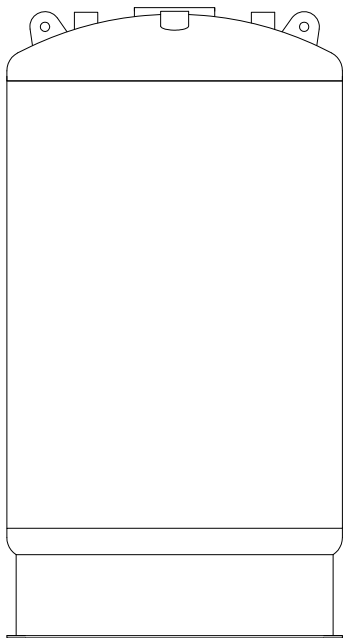
**General Specifications:**

- Vessel Design per A.S.M.E. Boiler & Pressure Vessel Code, Section VIII, Div I. (Not Code Stamped)
- Lifting Certified per NUREG-0612
- Designed to be Sluiced In/Out while Submerged in Pool.
- All Material: 304 Stainless Steel
- Resin Capacity: 28 Cu. Ft.
- Power Requirements: 2HP, 460V, 3 PH, 60 Hz, 4.4A
- Design Flow Rate: 75 GPM (63 GPM @ 50 Hz)
- Design Pressure: 50 PSIG
- Vessel Empty/Dry with Pump: 550 lbs.
- Vessel Full of Resin/Water with Pump: 2,550 lbs.

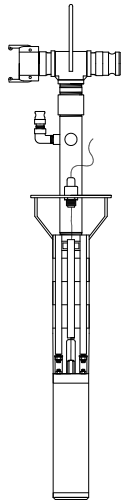
 <b>Tri Nuclear Corp.</b> P.O. Box 1130, Ballston Lake, NY 12019		
<b>Underwater Demineralizer</b> <b>36" OD, 75 GPM, 28 CU. FT. Capacity</b>		
Model No. <b>UD-36A</b>	Rev. Date <b>Rick Russell 02/08/13</b>	<b>Brochure</b>
Dwg. <b>TNC-012-02</b>	Apv'd Date <b>James L. Warden 02/18/13</b>	Rev. <b>D</b>   Page 1 of 3



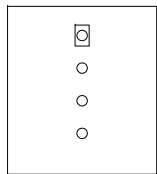
UD-36A-Inlet Inlet Screen  
Qty: 2



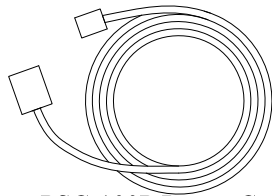
UD-36A-V Vessel  
UD-36A-V Vessel



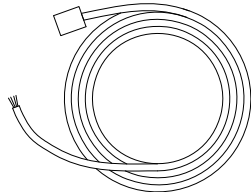
PP-100SC Pump



CB-PR-100-4XP  
Phase Reversing Control Box  
with Twistlock Plugs

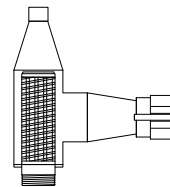


PSC-100P Power Cord  
with Twistlock Plug



PC-50 Drop Cable  
with Twistlock Plug

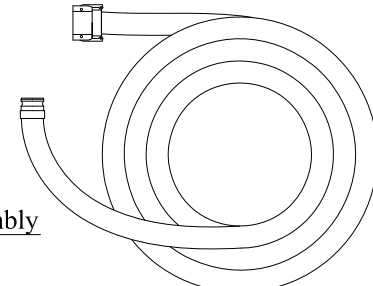
PP-100SC Pump



SHCK-SSVA-2x2  
Safety Screen Vent Assembly  
Qty: 2

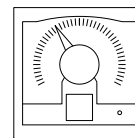


SHCK-JS-2x6  
Johnson Screen Strainer  
Qty: 2

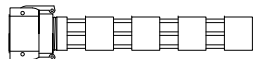


PH-2x50 Suction Hose  
Qty: 2

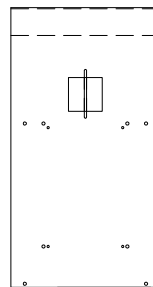
SHCK-UD-36A Suction Hose Conversion Kit



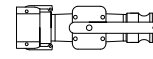
FM-100 Flow Meter Kit



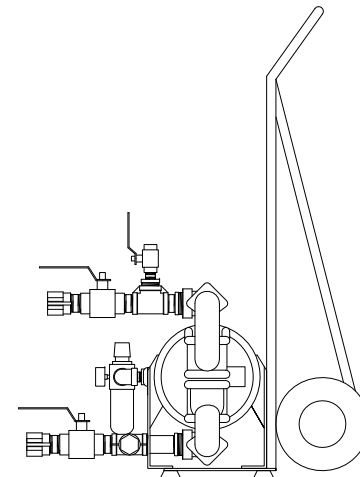
UT-8A 2" Diffuser Pipe



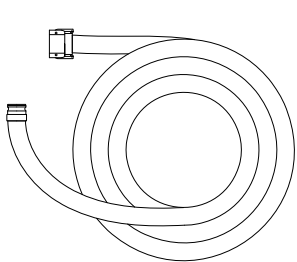
UT-10A Control Panel



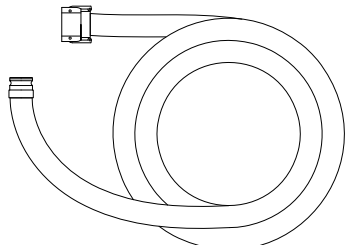
BV-1.5SS-MxF  
Sluice Isolation Valve  
Qty: 2



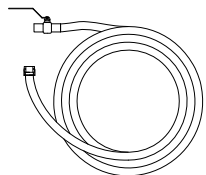
AP-65 Sluice Pump  
NOTE: Not supplied with system.



FPS-1.5x50 Sluice Hose  
Qty: 2



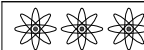
PH-2x25 Discharge Hose



SH-.5x100 Sample Hose

**NOTE:**

*All Items Shown come with the UD-36A in listed quantity except as noted.*



**Tri Nuclear Corp.**  
P.O. Box 1130, Ballston Lake, NY 12019



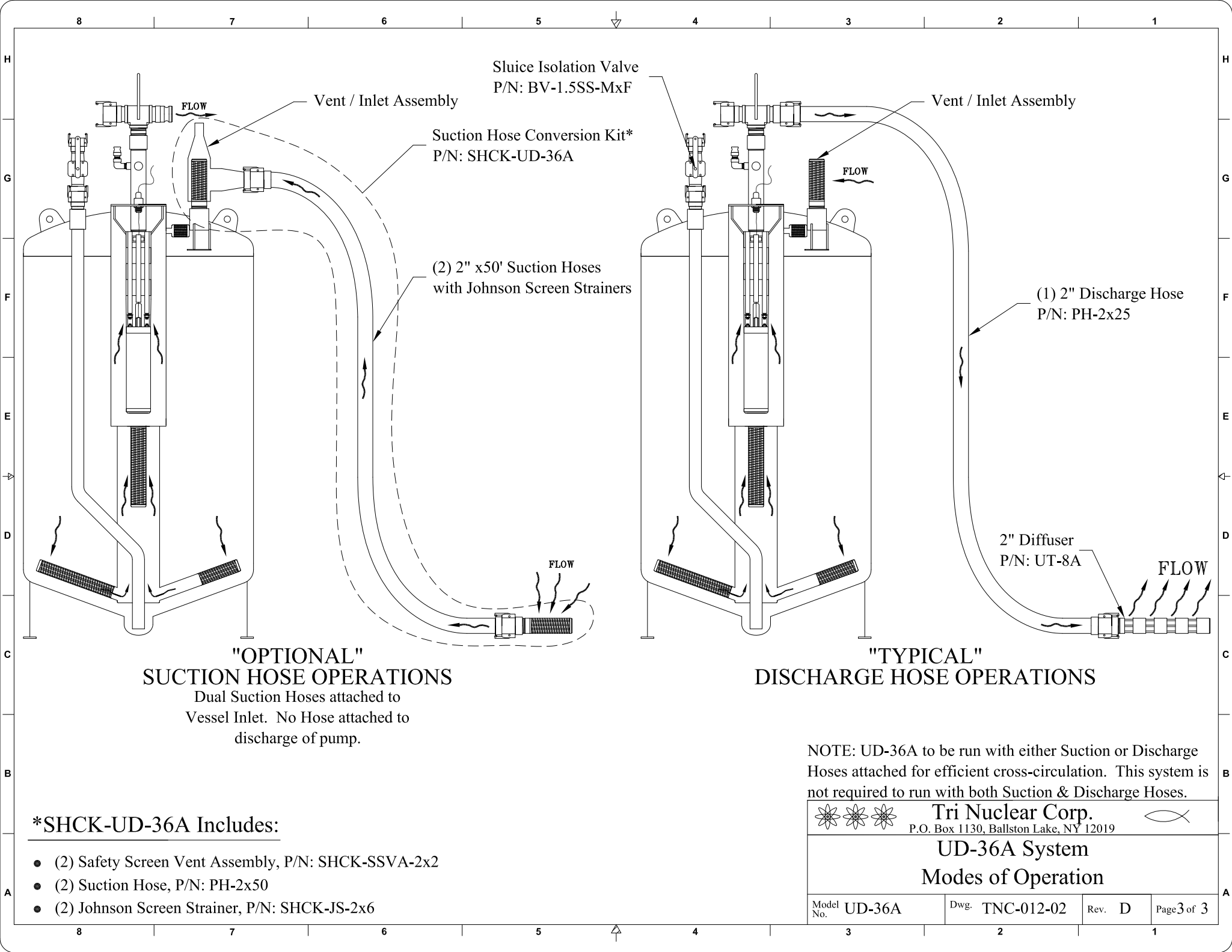
**UD-36A System**  
**Part Identification**

Model No. **UD-36A**

Dwg. **TNC-012-02**

Rev. **D**

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**"OPTIONAL"  
SUCTION HOSE OPERATIONS**

Dual Suction Hoses attached to Vessel Inlet. No Hose attached to discharge of pump.

**"TYPICAL"  
DISCHARGE HOSE OPERATIONS**

**\*SHCK-UD-36A Includes:**

- (2) Safety Screen Vent Assembly, P/N: SHCK-SSVA-2x2
- (2) Suction Hose, P/N: PH-2x50
- (2) Johnson Screen Strainer, P/N: SHCK-JS-2x6

NOTE: UD-36A to be run with either Suction or Discharge Hoses attached for efficient cross-circulation. This system is not required to run with both Suction & Discharge Hoses.

<b>Tri Nuclear Corp.</b> P.O. Box 1130, Ballston Lake, NY 12019			
<b>UD-36A System</b> <b>Modes of Operation</b>			
Model No. UD-36A	Dwg. TNC-012-02	Rev. D	Page 3 of 3