

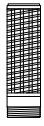
**General Specifications:**

- Vessel Design per A.S.M.E. Boiler & Pressure Vessel Code, Section VIII, Div I. (Not Code Stamped)
- Lifting Certified per NUREG-0612 / ANSI N14.6
- Designed to be Sluiced In/Out while Submerged in Pool.
- All Material: 304L Stainless Steel
- Resin Capacity: 10 Cu. Ft.
- Power Requirements: 1-1/2HP, 460V, 3 PH, 60 Hz, 3.7A
- Design Flow Rate: 40 GPM (33 GPM @ 50Hz)
- Design Pressure: 50 PSIG
- Vessel Empty/Dry with Pump: 250 lbs.
- Vessel Full of Resin/Water with Pump: 1,100 lbs.

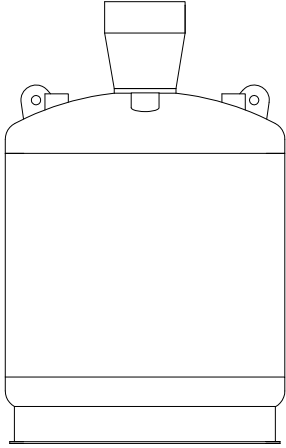

**Tri Nuclear Corp.**  
 P.O. Box 1130, Ballston Lake, NY 12019

**Underwater Demineralizer**  
**30" OD, 40 GPM, 10 CU. FT. Capacity**

Model No. UD-30A	Rev Date Rick Russell 02/08/13	Brochure	
Dwg. TNC-011-02	Apv'd Date James L. Warden 02/18/13	Rev. C	Page 1 of 3

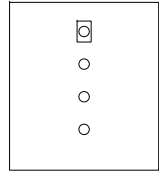


UD-30A-Inlet Inlet Screen

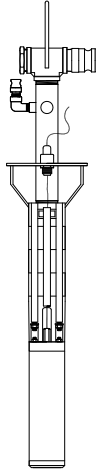


UD-30A-V Vessel

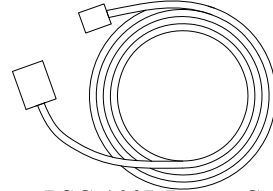
UD-30A-V Vessel



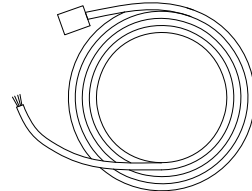
CB-PR-40-4XP  
Phase Reversing Control Box  
with Twistlock Plugs



PP-40SC Pump

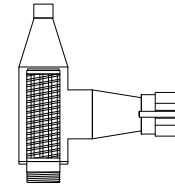


PSC-100P Power Cord  
with Twistlock Plug

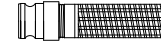


PC-50 Drop Cable  
with Twistlock Plug

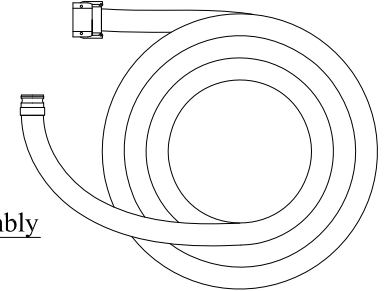
PP-100SC Pump



SHCK-SSVA-2x2  
Safety Screen Vent Assembly

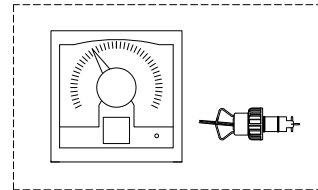


SHCK-JS-2x6  
Johnson Screen Strainer

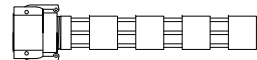


PH-2x50 Suction Hose

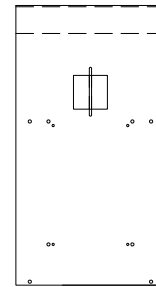
SHCK-UD-30A Suction Hose Conversion Kit



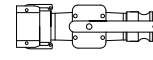
FM-100 Flow Meter Kit



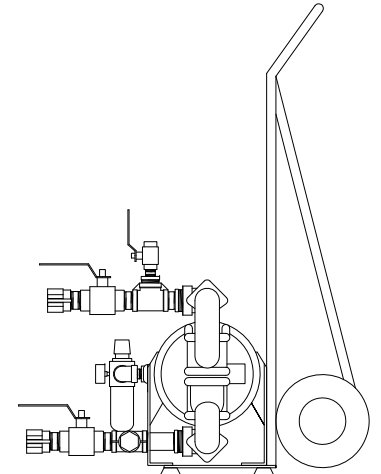
UT-8A 2" Diffuser Pipe



UT-10A Control Panel



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

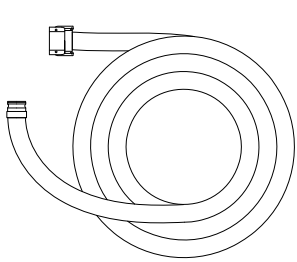


AP-65 Sluice Pump

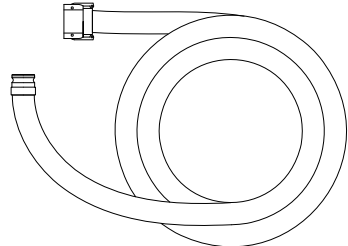
NOTE: Not supplied with system.

**NOTE:**

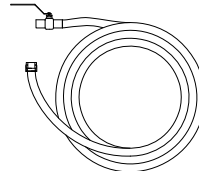
*All Items Shown come with the UD-30A in listed quantity  
except as noted.*



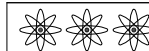
FPS-1.5x50 Sluice Hose  
Qty: 2



PH-2x25 Discharge Hose



SH-.5x100 Sample Hose



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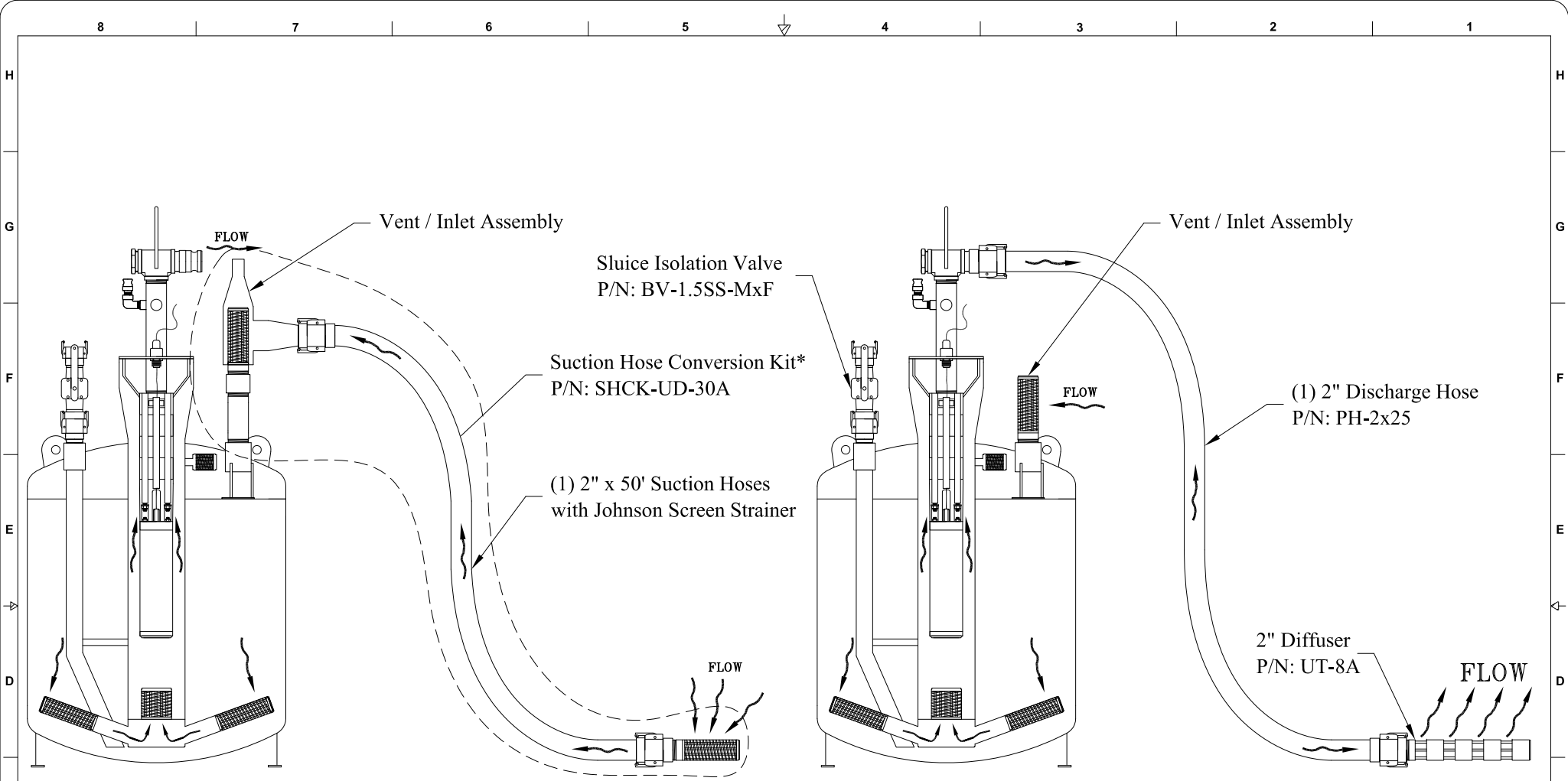
**UD-30A System  
Modes of Operation**

Model No. **UD-30A**

Dwg. **TNC-011-02**

Rev. **C**

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**"OPTIONAL"  
SUCTION HOSE OPERATIONS**

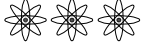

Single Suction Hose attached to Vessel Inlet. No Hose attached to discharge of pump.

**"TYPICAL"  
DISCHARGE HOSE OPERATIONS**

**\*SHCK-UD-30A Includes:**

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

NOTE: UD-30A 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-30A System</b> <b>Modes of Operation</b>			
Model No. UD-30A	Dwg. TNC-011-02	Rev. C	Page 3 of 3