



UF-600 Underwater Filter

Tri Nuclear has developed a large stand-alone Underwater Filter which is ideal for process large amounts of water rapidly to establish or maintain water clarity.

Tri Nuclear's Underwater Filters can be operated for long durations practically unattended without the need for maintenance or element change out, all while controlling water clarity and reducing dose rates.

Because the portable Underwater Filter is submerged, it needs no external shielding, or hoses running in or out of the pool that may cause rippling, poor visibility or personnel exposure/contamination.

Tri Nuclear's Underwater Filters operate under negative pressure which allows the pump to be gravity seated and does not require any special tooling to install or remove the pump underwater.

Features:

- Rapid system deployment via camlock hose connections, twist lock electrical connections, and Phase Reversing control boxes
- All stainless steel construction
- Underwater service requiring no additional shielding
- Tooling for rapid underwater remote filter change out

Specifications:

- | | |
|----------------------------|-----------------|
| • System Flow Rate: | 600 GPM |
| • No of Filters: | 4 Cartridges |
| • Hoses: | 2 Discharge |
| • Footprint: | 24 in. x 30 in. |
| • Height: | 99 in. |
| • Pump Weight: | 210 lbs. |
| • Housing Empty with Pump: | 515 lbs. |
| • Housing Full with Pump: | 990 lbs. |



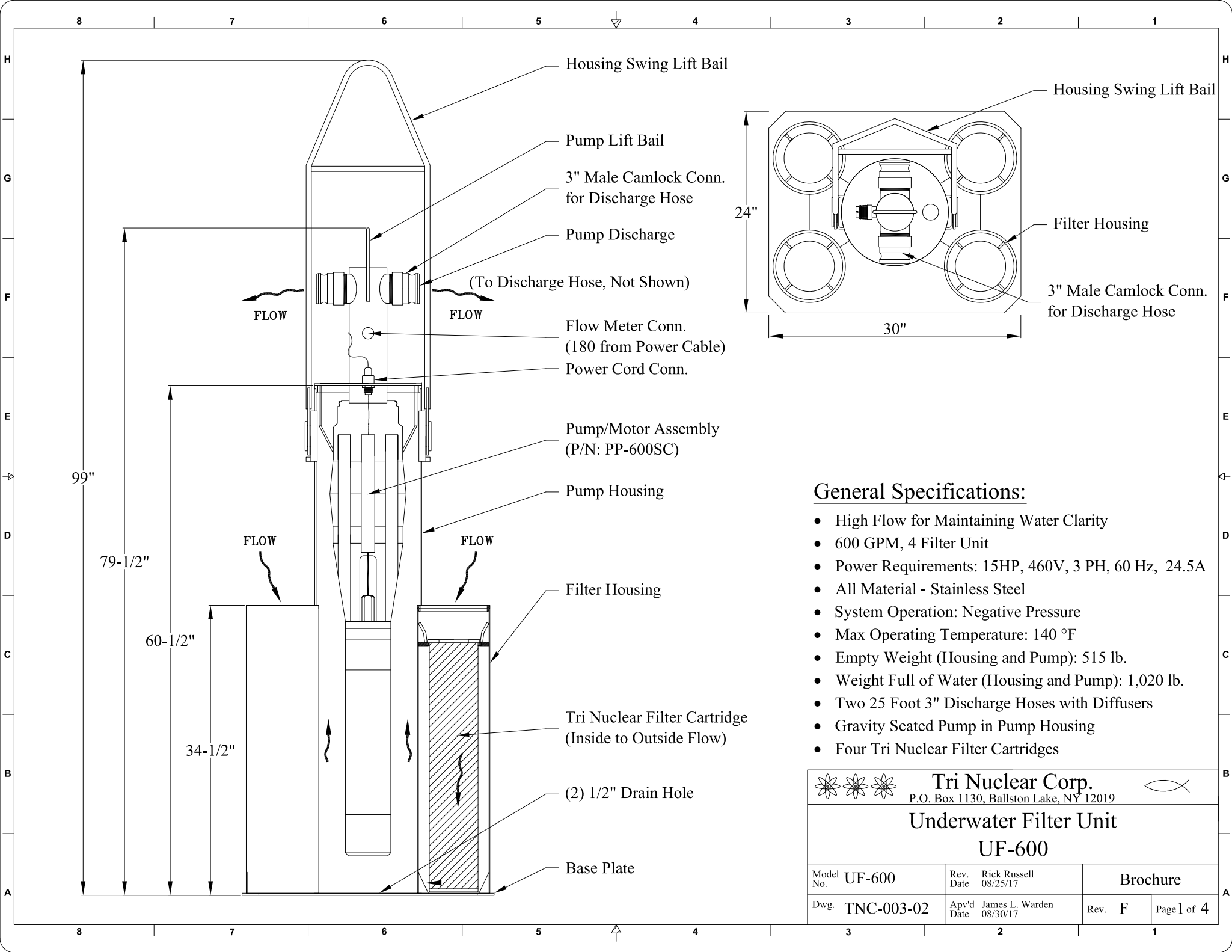
UF-600 Housing and Pump

Filter Cartridge Design:

Tri Nuclear's Filter Cartridges have pleated media construction. This provides a large filter area and long run times. The filters are designed for inside to outside flow which means that solids are trapped in the element and won't flake or slough off during change out.



"Operating" vs. "Complete" System

Each of the UF/UFV systems is sold in both the "Operating" and "Complete" system kits. The "Operating" system comes with only the basic components required to operate the system. The "Complete" system comes with the basic components and all accessory tooling.

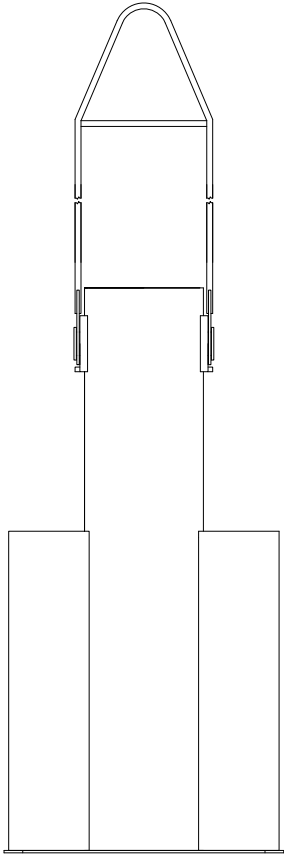


General Specifications:

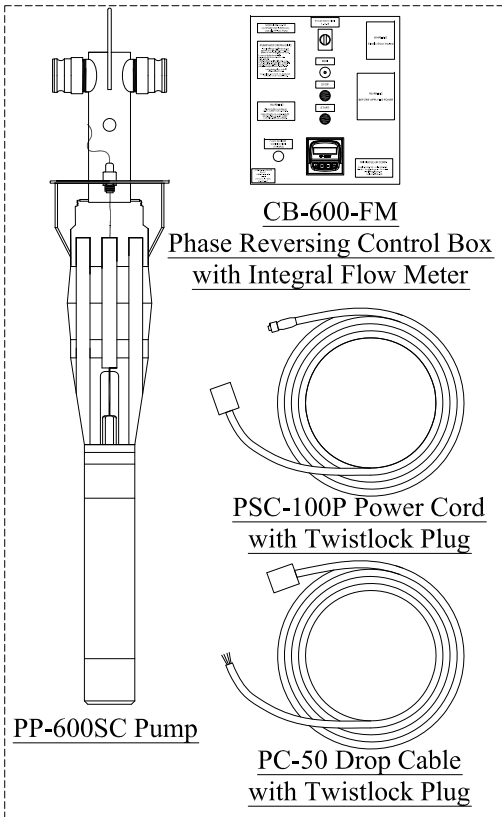
- High Flow for Maintaining Water Clarity
- 600 GPM, 4 Filter Unit
- Power Requirements: 15HP, 460V, 3 PH, 60 Hz, 24.5A
- All Material - Stainless Steel
- System Operation: Negative Pressure
- Max Operating Temperature: 140 °F
- Empty Weight (Housing and Pump): 515 lb.
- Weight Full of Water (Housing and Pump): 1,020 lb.
- Two 25 Foot 3" Discharge Hoses with Diffusers
- Gravity Seated Pump in Pump Housing
- Four Tri Nuclear Filter Cartridges

 Tri Nuclear Corp. P.O. Box 1130, Ballston Lake, NY 12019		
Underwater Filter Unit UF-600		
Model No. UF-600	Rev. Date Rick Russell 08/25/17	Brochure
Dwg. TNC-003-02	Apv'd Date James L. Warden 08/30/17	Rev. F Page 1 of 4

UF-600OP "UF-600 OPERATING SYSTEM"



UF-600H Housing



PP-600SC Pump

CB-600-FM
Phase Reversing Control Box
with Integral Flow Meter

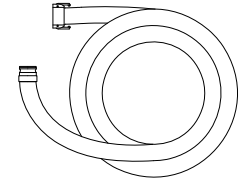
PSC-100P Power Cord
with Twistlock Plug

PC-50 Drop Cable
with Twistlock Plug

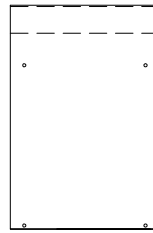
PP-600SC Pump



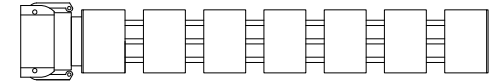
FM-SRD Flow Sensor



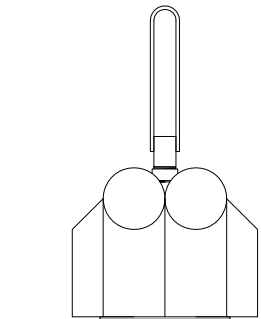
PH-3x25 Discharge Hose
Qty: 2



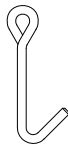
UT-10C Mounting Panel



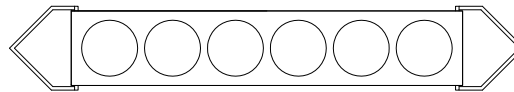
UT-8 Diffuser Pipe
Qty: 2



UT-3/6 Filter Storage Rack



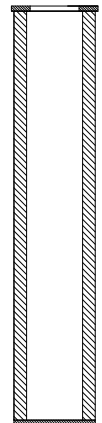
UT-14 Pump Lift Hook



UT-3H Hanging Filter Storage Rack





UT-9 Rope Filter Lift Tool
Qty: 2

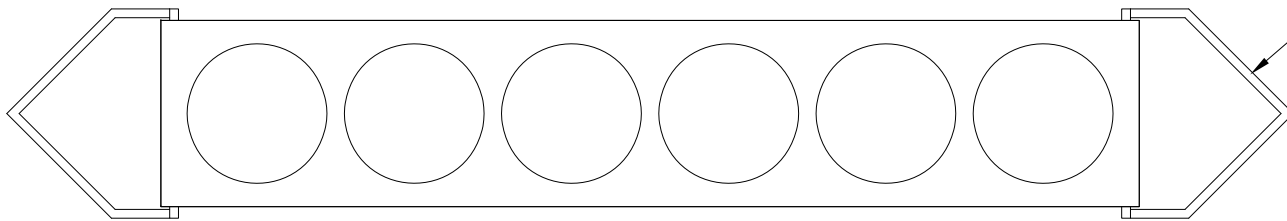


VCPH-*PE Filter Cartridge
NOTE: Not supplied with system.

NOTE:

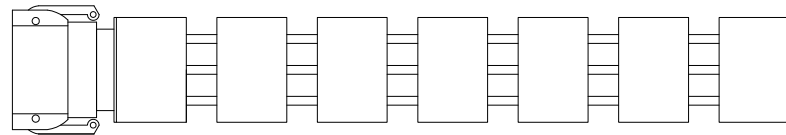
All Items Shown come with the UF-600 "Complete System" in listed quantity except as noted.

		Tri Nuclear Corp. P.O. Box 1130, Ballston Lake, NY 12019			
UF-600 System Part Identification					
Model No.	UF-600	Dwg.	TNC-003-02	Rev.	F
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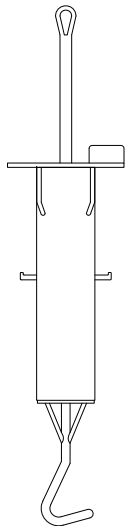


Swing Lift Bail

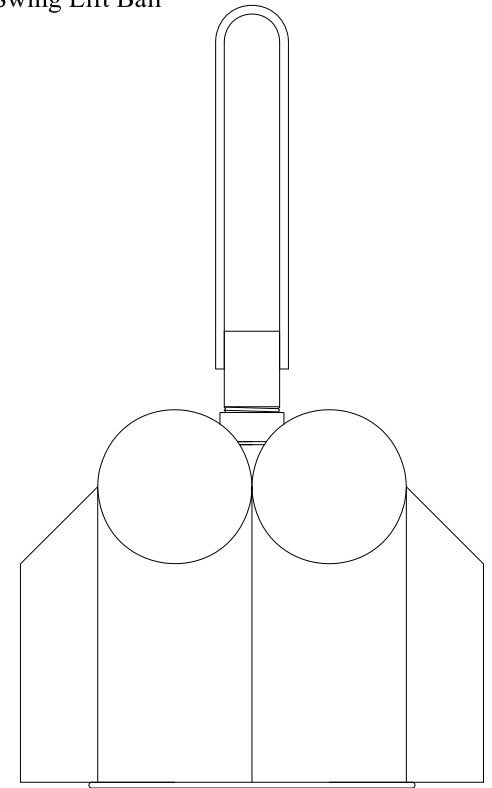
UT-3H Hanging Filter Storage Rack
 Holds (6) Tri Nuclear Filter Cartridges
 Dimensions: 42" x 8" x 4" (LWH)
 Weight: 13.5#



UT-8 Diffuser Pipe
 Attaches to 3" Discharge Hose (Typically PH-3x25)
 Dimensions: 3-1/2" Dia x 33-1/2" Lg.
 Weight: 15#





UT-9 Rope Filter Lift Tool
 Dimensions: 5" Dia x 24-3/4" Lg.
 Weight: 4.5#

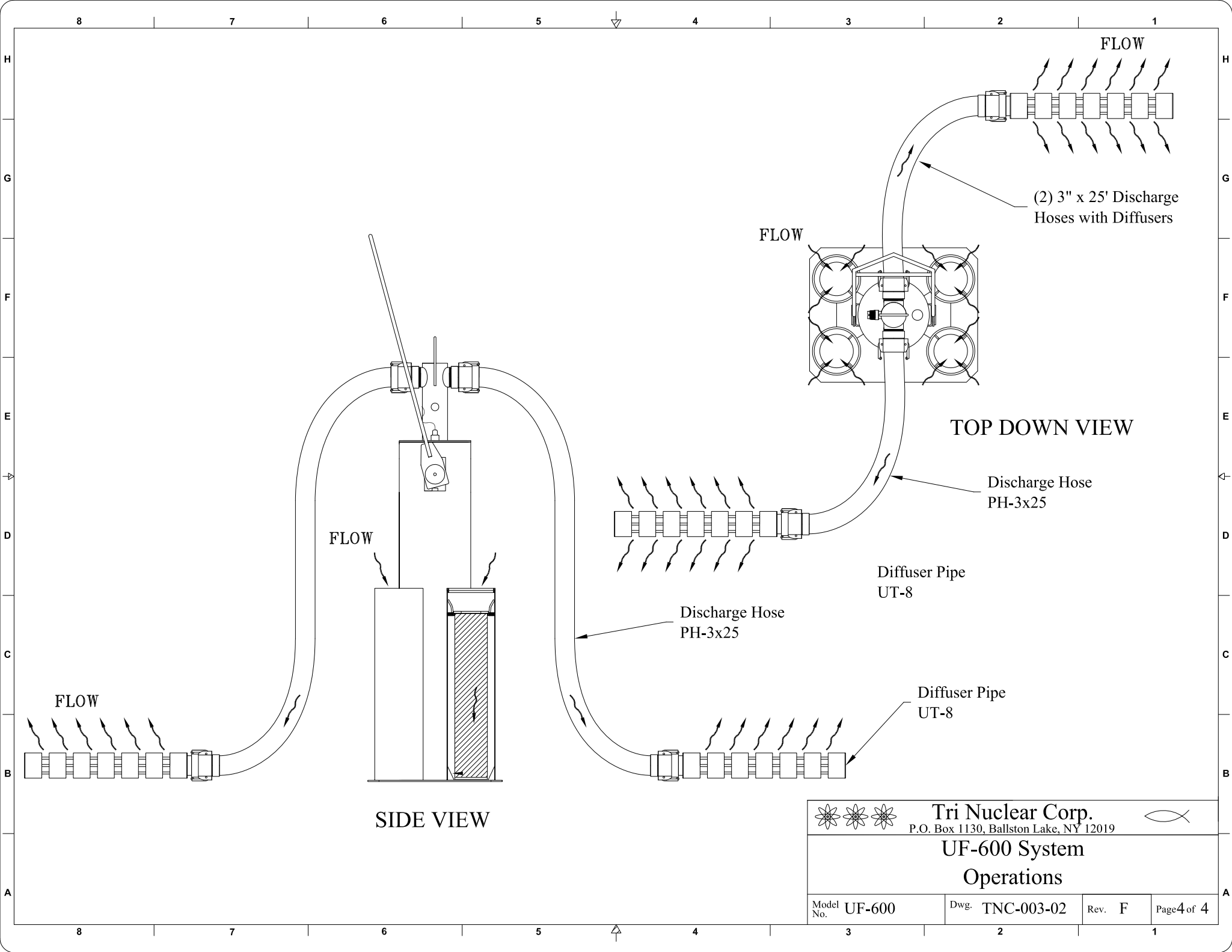


UT-3/6 Filter Storage Rack
 Holds (6) Tri Nuclear Filter Cartridges
 Dimensions: 20" Dia x 33" High
 Weight: 50#

UT-14 Pump Lift Hook
 Dimensions: 4-1/2" x 5/8" x 8" (LWH)
 Weight: 1#

● All Material - Stainless Steel

 Tri Nuclear Corp. P.O. Box 1130, Ballston Lake, NY 12019			
UF-600 Accessory Tooling			
Model No.	UF-600	Dwg.	TNC-003-02
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FLOW

FLOW

FLOW

FLOW

SIDE VIEW

TOP DOWN VIEW



(2) 3" x 25' Discharge Hoses with Diffusers

Discharge Hose PH-3x25

Diffuser Pipe UT-8

Discharge Hose PH-3x25

Diffuser Pipe UT-8

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UF-600 System Operations					
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