

## UFV-100 Underwater Filter Vacuum

Tri Nuclear has developed a compact stand-alone Underwater Filter Vacuum which is ideal for use on special projects or in confined areas where space is at a premium.

Tri Nuclear's Underwater Filter Vacuums 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 Vacuum 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 Filter Vacuums 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:        | 100 GPM         |
| • No of Filters:           | 1 Cartridge     |
| • Hoses:                   | 1 Suction       |
| • Footprint:               | 14 in. x 24 in. |
| • Height:                  | 55 in.          |
| • Pump Weight:             | 45 lbs.         |
| • Housing Empty with Pump: | 120 lbs.        |
| • Housing Full with Pump:  | 260 lbs.        |



**UFV-100 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.