

DTS, in cooperation with Tri Nuclear, is proud to offer the most widely used Underwater Filter (UF) equipment in our industry today.

Stainless steel UFs operate in pools and reactor cavities, running unattended for long periods without maintenance or element changes.

Because the portable UF is submerged, it needs no external shielding, or hoses running in and out of the water to cause rippling, poor visibility or personnel contamination.

UFs can be used with underwater demins for total pool cleanup.

Filter Models

Three different UF models let you choose the most effective way to:

- Maintain water clarity
- Vacuum sludge and debris
- Skim floating dirt

The table below shows specifications for the three UF models, which are described in detail on the back of this page.

All UF models use pleated 6"D x 30"L inside-loading paper elements that come in 0.3, 1, 5, 10, and 20 micron sizes.

UFV-100 UFV-260 UF-600/2S

Flow (gpm)	100	260	600
No. Elements	1	2	4
Filter Area (sf)	42	86	172
Base Size (in.)	14 x 24	18 x 30	24 x 30
Height (in.)	54	70	88
Empty Wt. (#)	180	250	450
H ₂ O Filled Wt. (#)	310	465	965



UF-600/2S with Filter Element

Element Construction

Pleated paper construction provides large filter area and long run times. Inside loading means that solids are trapped in the element and won't flake or slough off during change-out.

Easy-to handle elements can be drip dried before being placed in disposal containers. They can be crushed to a fraction of their original size, for maximum volume reduction.

Optional Equipment

Each UF comes equipped with all the hardware needed for safe, efficient operation. Optional tools enhance versatility and user friendliness.

Pool Skimmer	Vacuum Cleaner Head
Filter Sampler	Filter Transfer Shield
Filter Consolidator	Underwater Storage Rack

Model UFV-100

This small one-element unit can be placed in corners and out-of-the-way areas when space is at a premium.

UFV-100s have been put through man-ways for torus water cleanup. They are often used in support of a specific project (e.g., underwater cutting in a localized area), and can also be used for vacuuming.

Model UFV-260

Popular because of its versatility, the UFV-600 is frequently used to maintain water clarity during refueling and fuel pool work.

This two-element unit uses dual suction hoses to take in water from remote areas; the hoses can be positioned at key points in the pool or connected to vacuum tools. Water discharges locally through the pump discharge tee.

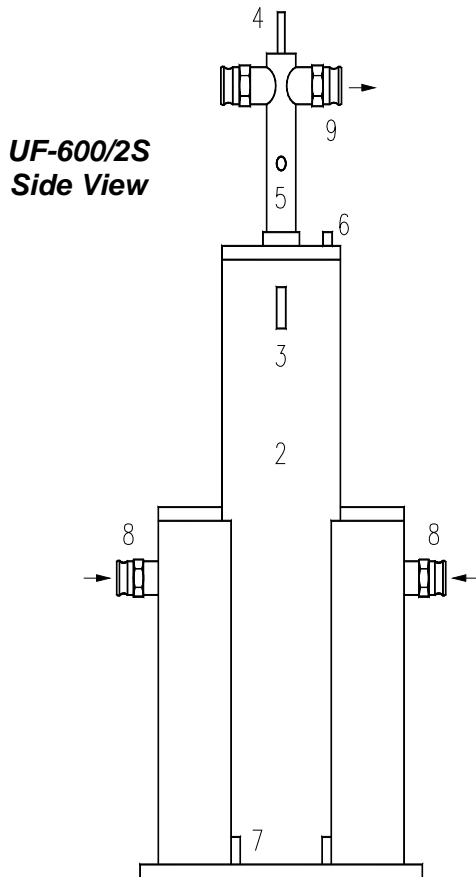
Model UF-600/2S

The largest of the filters, the UF-600/2S cleans water fast, to help you avoid the work delays that can result from poor water clarity.

The UF-600/2S (photo on reverse, diagrams below) has four filter cartridge housings and one center pump housing welded onto a base plate.

Two of the filter tubes are open at the top to take suction from the general area. The other two tubes have hinged lids that can be closed to provide suction for the 2" hoses attached to the tubes. With the lids closed, these tubes can be used to vacuum pool bottoms and other surfaces.

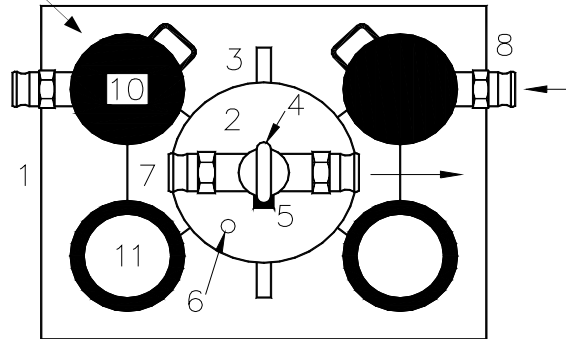
The hoses can also be positioned near work being done in the pool to capture solids at their source and prevent them from spreading through the pool.



**UF-600/2S
Side View**

**UF-600/2S
from Above**

Lids are left open for general filtration; then closed (and hoses attached) for vacuuming.



1. Filter Housing
2. Motor and Pump Assembly
3. Filter Body Lift Ears
4. Motor and Pump Lift Bale
5. Flow Rate Sensor
6. Pump Power Cable
7. Filter-to-pump Plenums
8. Suction Hose Connection
9. Discharge Hose Connection
10. Hinged Lids for Suction Filters
11. Open-top Filter for Area Suction