



# TRI NUCLEAR CORP.

THE INDUSTRY STANDARD IN UNDERWATER FILTRATION

WWW.TRINUCLEAR.COM -- P.O. BOX 1130 BALLSTON LAKE, NY 12019 -- TEL: 518-399-1389 -- FAX: 518-399-9586

## Underwater Demineralizer

### Standard UD's:

Tri Nuclear has developed a wide range of stand-alone Underwater Demineralizers which are ideal for use in various pool cavity applications. These systems are NUREG 0612 certified and can be remotely sluiced underwater.

- The UD-30A is a compact stand-alone Underwater Demineralizer which is ideal for use on special projects or in confined areas where space is at a premium.
- The UD-36A is a versatile stand-alone Underwater Demineralizer which is ideal for use in the Spent Fuel Pool or Reactor Cavity and is the most widely used underwater demineralizer on the market.
- The UD-48A is a large stand-alone Underwater Demineralizer which is ideal for processing large amounts of water at a greater flow rate.

### Specialty UD's:

Tri Nuclear has also developed several unique Underwater Demineralizer with specific plant requirements in mind. Contact us if you have special needs that the standard Underwater Demineralizer don't meet and we can design a specialty system to meet your specific requirements.

- The RCDS-120 designed for Seabrook Station is a modular stand-alone Underwater Demineralizer which consists of eight demineralizer columns that can be transferred from the containment building via the fuel upender to the Spent Fuel Pool for storage.
- The UD-48P designed for Nine Mile Point is a specialized stand-alone Underwater Demineralizer which can be used in 4ft of water in the Dryer / Separator pit after drain down.

<b>Underwater Demineralizer Equipment</b>					
	<b>STANDARD</b>			<b>SPECIALTY</b>	
	<b>UD-30A</b>	<b>UD-36A</b>	<b>UD-48A</b>	<b>RCDS-120</b>	<b>UD-48P</b>
<i>System Flow Rate</i>	40 GPM	75 GPM	200 GPM	120 GPM	150 GPM
<i>Resin Capacity</i>	10 Cu Ft	28 Cu Ft	50 Cu Ft	24 Cu Ft	30 Cu Ft
<i>Hoses</i>	1 Discharge or 1 Suction	1 Discharge or 2 Suction	1 Discharge or 2 Suction	1 Discharge	2 Suction
<i>Footprint</i>	30 in. Diameter	36 in. Diameter	48 in. Diameter	45 in. x 45 in.	51 in. x 66 in.
<i>System Height</i>	65 in.	89 in.	100 in.	150 in.	61-1/2 in.
<i>Vessel Height</i>	47-1/2 in.	67-1/2 in.	76-1/2 in.	144 in.	54 in.
<i>Pump Weight</i>	50 lbs.	50 lbs.	85 lbs.	88 lbs.	N/A
<i>Vessel Empty with Pump Weight</i>	250 lbs.	550 lbs.	975 lbs.	2,200 lbs.	870 lbs.
<i>Vessel &amp; Pump Filled with Water &amp; Resin Weight</i>	1,100 lbs.	2,550 lbs.	5,400 lbs.	3,300 lbs.	2,370 lbs.