

## Equipment Guide List

Underwater Demineralizer System Model UD-48A

| TNC Part Number | Description  | QTY |
|-----------------|--|-----|
| UD-48A-V        | Basic Demineralizer vessel for the UD-48A system, 48" dia, 50ft <sup>3</sup> resin capacity, Certified to NUREG-0612   | 1   |
| PP-260SC        | Grundfos pump, 5HP/460V/3Ph/60Hz, w/cover, SC connector, CB PR-260-4XP PHASE REVERSING control box with twist lock plugs, PSC-100P Power Cable with twist lock plug and PC-50 drop cable with twist lock plug          | 1   |
| FM-260          | Flow Meter Kit, includes 0-400 GPM analog meter and paddlewheel flow sensor w/100 ft cable   | 1   |
| PH-3x25         | 3" x 25' hose with Polypro MxF camlock couplers  | 1   |
| UT-8            | Diffuser Pipe for 3" discharge hose  | 1   |
| UT-10A          | Mounting Panel for Flow Meter and Control Box  | 1   |
| SHCK-UD-48A     | Suction Hose Conversion Kit for the UD-48A system. Includes the following:<br>(2) Safety Screen Vent Assemblies (P/N: SSVA-48A)<br>(2) Suction hoses (P/N: PH-3x50)<br>(2) Johnson Screen strainer (P/N: SHKC-JS-4x12) | 1   |
| BV-1.5SS-MxF    | 1-1/2" SS FP Ball Valve with Male by Locking Female camlock couplers. Includes remote grapple lanyard.   | 2   |
| FPS-1.5x50      | Suction/Discharge hose, 1.5" x 50' lg with SS MxF camlock couplers, 150 PSI  | 2   |
| SH-.5x100       | Sample hose, 1/2" x 100' lg with a 1/2" SS female camlock coupler x 1/2" SS ball valve   | 1   |

Alternative voltage/frequency pumps & control boxes:

| TNC Part Number   | Description   | QTY |
|-------------------|---|-----|
| PP-260SC-380      | Grundfos pump, 5 HP/380V/3Ph/50Hz, w/cover, SC connector, CB PR-260-4XP-380 PHASE REVERSING control box with twist lock plugs, PSC-100P Power Cable with twist lock plug and PC-50 drop cable with twist lock plug  | AR  |
| CB-PR-260-4XP-380 | 5 HP 380V/3Ph/50Hz PHASE REVERSING control box, NEMA 4X, 14x16 enclosure, solid state starter/overload block, Start/Stop push buttons, run light and phase reversing switch w/ safety cover. Includes NEMA 4X Twist Lock plugs for line in/line out, PC-50 drop cable (w/Twist Lock plug) and associated Twist Lock plug to wire to an existing pump power cable.     | AR  |
| PP-260SC-575      | Grundfos pump, 5 HP/575V/3Ph/60Hz, w/cover, SC connector, CB PR-260-4XP-575 PHASE REVERSING control box with twist lock plugs, PSC-100P-575 Power Cable with twist lock plug and PC-50-575 drop cable with twist lock plug  | AR  |
| CB-PR-260-4XP-575 | 5 HP 575V/3Ph/60Hz PHASE REVERSING control box, NEMA 4X, 14x16 enclosure, solid state starter/overload block, Start/Stop push buttons, run light and phase reversing switch w/ safety cover. Includes NEMA 4X Twist Lock plugs for line in/line out, PC-50-575 drop cable (w/Twist Lock plug) and associated Twist Lock plug to wire to an existing pump power cable. | AR  |

NOTE:

EPDM alternatives are available for the PH-3x25, PH-3x50 & SH-.5x100 hoses.

# Materials of Construction

Underwater Demineralizer System Model UD-48A

The following is a list of the materials of construction for the Underwater Demineralizer System Model UD-48A:

| Tri Nuclear Part No.                            | Description  | Materials of Construction   |
|---|--|---|
| UD-48A-V  | UD-48A Vessel  | 304 SS, 316 SS  |
| PP-260SC<br><br>(Includes 380V & 575V versions) | 5 HP Grundfos Pump & Motor Assembly  | 304 SS  |
|   | CB-PR-260-4XP Phase Reversing Control Box  | Fiberglass Enclosure  |
|   | PSC-100P Power Cable with twist lock plug (100ft 10/4 SO Cable w/ male twistlock plug)   | 10/4 SO Cable   |
|   | PC-50 drop cable with twist lock plug (50ft 10/4 SO Cable w/ female twistlock connector) | 10/4 SO Cable   |
| FM-260  | Flow Meter Kit and Paddlewheel Sensor  | Polypropylene   |
| PH-3x50<br><br>PH-3x25                          | Suction Hose with MxF camlock couplers   | PVC hose with Polypropylene camlock couplers & 304 SS crimped sleeves |
| UT-8  | Diffuser Pipe for 3" discharge hose  | 304 SS, 316 SS female camlock coupler                                 |
| UT-10A  | Mounting Panel for Mounting Panel for Control box and Flow Meter                         | 304 SS  |
| SSVA-48A  | Safety Screen Vent Assembly  | 304 SS, 316 SS  |
| SHKC-JS-4x12                                    | Johnson Screen strainer  | 304 SS, 316 SS  |
| BV-1.5SS-MxF                                    | Ball Valve assembly  | 304 SS, 316 SS  |
| FPS-1.5x50                                      | Suction/Discharge hose, 1.5" x 50' lg with SS MxF camlock couplers,                      | EPDM hose with 316 SS camlock couplers & 304 SS crimped sleeves       |
| SH-.5x100                                       | Sample hose, 1/2" x 100' lg with a 1/2" SS female camlock coupler x 1/2" SS ball valve   | PVC reinforced hose with 316 SS camlock coupler & 316 SS ball valve   |

**NOTE:**

EPDM alternatives are available for the PH-3x25, PH-3x50 & SH-.5x100 hoses.