

Equipment Guide List

Underwater Demineralizer System Model UD-36A

TNC Part Number	Description	QTY
UD-36A-V	Basic Demineralizer vessel for the UD-36A system, 36" dia, 28ft ³ resin capacity, Certified to NUREG-0612	1
PP-100SC	Grundfos pump, 2HP/460V/3Ph/60Hz, w/cover, SC connector, CB PR-100-4XP 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-100	Flow Meter Kit, includes 0-200 GPM analog meter and paddlewheel flow sensor w/100 ft cable	1
PH-2x25	2" x 25' hose with Polypro MxF camlock couplers	1
UT-8A	Diffuser Pipe for 2" discharge hose	1
UT-10A	Mounting Panel for Flow Meter and Control Box	1
SHCK-UD-36A	Suction Hose Conversion Kit for the UD-36A system. Includes the following: (2) Safety Screen Vent Assemblies (P/N: SSVA-2x2) (2) Suction hoses (P/N: PH-2x50) (2) Johnson Screen strainer (P/N: JS-2x6)	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-100SC-380	Grundfos pump, 2 HP/380V/3Ph/50Hz, w/cover, SC connector, CB PR-100-4XP-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	1
CB-PR-100-4XP-380	2 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.	1
PP-100SC-575	Grundfos pump, 2 HP/575V/3Ph/60Hz, w/cover, SC connector, CB PR-100-4XP-575 PHASE REVERSING control box with twist lock plugs, SC-100P-575 Power Cable with twist lock plug and PC-50-575 drop cable with twist lock plug	1
CB-PR-100-4XP-575	2 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.	1

NOTE:

EPDM alternatives are available for the PH-2x25, PH-2x50 & SH-.5x100 hoses.

Materials of Construction

Underwater Demineralizer System Model UD-36A

The following is a list of the materials of construction for the Underwater Demineralizer System Model UD-36A:

Tri Nuclear Part No.	Description	Materials of Construction
UD-36A-V	UD-36A Vessel	304 SS, 316 SS
PP-100SC (Includes 380V & 575V versions)	2 HP Grundfos Pump & Motor Assembly	304 SS
	CB-PR-100-4XP 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-100	Flow Meter Kit and Paddlewheel Sensor	Polypropylene
PH-2x50 PH-2x25	Suction Hose with MxF camlock couplers	PVC hose with Polypropylene camlock couplers & 304 SS crimped sleeves
UT-8A	Diffuser Pipe for 2" 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-2x2	Safety Screen Vent Assembly	304 SS, 316 SS
JS-SS20A	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-2x25, PH-2x50 & SH-.5x100 hoses.