

7. Disconnect the pump outlet hose from the CIP drum and direct the hose to a drain. Continue running to drain until the CIP drum is empty (some solution may need to be manually dumped out of the CIP drum).

CAUTION: Neutralization of the spent cleaning solution may be required by local regulations. Verify the requirements of local regulations prior to emptying the cleaning solution into the drain.

8. After removing the spent chemical from the CIP tank, and with the CIP pump discharge directed to drain, turn on the MRO and allow fresh water to flow into and through the RO and CIP system for 10 minutes or until the pH of the water at the pump discharge is neutral (between 6 and 8).
9. Disconnect the pump outlet hose from the CIP and direct it to a drain. Continue running to drain until the CIP drum is empty (some solution may need to be manually dumped out of the CIP drum).

FLUSH AND RETURN TO SERVICE

1. Disconnect the RO+ Product Water For Dialysis hose, Reject To Drain hose, and Incoming Tap Water hose from the CIP system.
2. Run the RO+ Product Water Hose and the Reject Water To Drain Hose to a drain.
3. Reconnect the carbon tank (if applicable) to the RO+.
4. Install a new micron filter in the prefilter sump on the RO+.
5. Place the CIP Switch located on the back of the RO+ controller in the OFF position (if applicable). Reference the RO+ Operation and Maintenance Manual for detailed instructions regarding the Clean-In-Place Switch.
6. Connect the RO+ Incoming Tap Water hose to a water supply and turn on the incoming water supply.
7. Turn on the RO+ and place the FLUSH VALVE in the FLUSH position. Allow the system to run at this setting for 10 minutes.
8. Place the FLUSH VALVE in the IN SERVICE or OPERATION position and continue running to drain until the conductivity returns to normal (below setpoint and not in alarm).
9. The RO+ may now be connected to the dialysis machine and returned to service.

WARNING: DO NOT connect the RO+ to the dialysis machine and/or place the RO+ in service until the Product Water conductivity remains below the setpoint and is not in alarm! Serious injury or illness to the patient may result!

SPARE PARTS LIST

Description	Part Number
HOSE BARB, 3/8"MPT x 3/8"HB	14520503
HOSE BARB, 1/2"MPT x 1/2"HB	14520506
FITTING, 3/4"HG INSERT x 1/2"MPT	14570110
WASHER, RUBBER, GH	14570111
FITTING, 3/4"MGHT x 1/2"MPT	046520423
HOSE, 1/2", MEDICAL SYTLE-5000	12677125
CLAMP HOSE 1/2" SST	15650050
PUMP, AQUATEC, 120VAC, 3.5GPM@50PSI	80-0026
ADPT, AQUAPUMP TO .5MPT	80-0048
ADPT, GH, SWIVEL NUT, PP	14-0014
ADPT, .5FPT x HB, PP	14824002
AMERICLEAN A (Sold in 10 lb case)	37-0004
AMERICLEAN B (Sold in 10 lb case)	37-0005

REV DATE	DESCRIPTION	INIT
A 22APR03	ORIGINAL ISSUE	KRM
B 22OCT03	CORRECTED BOM	KRM

NOTES

1. REFER TO TME15 DURING TEST AND ASSEMBLY. USE FORM #68 TO RECORD ALL PERTINENT INFORMATION.
2. ALWAYS COMPARE THE WORK ORDER TO ON-HAND DRAWINGS. TEST PROCEDURES, FORMS, AND LAMINATED BOM TO ASSURE THAT LATEST OR CORRECT REVISION LEVEL IS BEING BUILT.
3. ATTACH THE FOLLOWING LABELS AS SHOWN: SERIAL NUMBER, AMERI WATER, PRODUCT, REJECT, AND PUMP INLET.
4. APPLY TEFLON TAPE AND THREAD SEALANT TO ALL THREADED CONNECTIONS. REFER TO P-WKI #17 FOR INSTRUCTIONS.
5. CONNECTIONS. REFER TO P-WKI #17 FOR INSTRUCTIONS.

AWI P/N	ITEM#	QTY	DESCRIPTION
98-0007	19	1	MANUAL, CIP1 (NOT SHOWN)
14824002	18	1	ADPT,.5FPTXHB,PP
80-0048	17	2	ADPT,AQUAPUMP TO .5MPT
99-00CIP1B	16	1	LABEL, CIP1
041530304	15	2	COUPLG,.5,THRD,PVC80
041530224	14	1	BUSH,.5X.38,THRD,PVC80
15650050	13	6	CLAMP,HOSE,.5,SST
041730198	12	1	NIPPLE,.38XCL,PVC80
041610050	11	1	NIPPLE,.5XCL,PVC80
14520503	10	1	ADPT,.38MPTx.38HB,PP
14520506	9	3	ADPT,.5MPTx.5HB,PP
12677125	8	2.5	HOSE,MEDICAL,.5,STYLE 5000
046520423	7	3	ADPT,MGHTX.5MPT,PP
14-0014	6	3	ADPT,GH,SWIVEL NUT,PP
14570111	5	3	ADPT,GH,WASHER,RUBBER
14570110	4	3	ADPT,GH,SN,INS,.5HB,PP
041531850	3	3	BULKHD,.5,TXS,PVC80,LIGHT DUTY
80-0026	2	1	PUMP,AQUATEC,120VAC,3.5GPM@50PSI
85550601	1	1	TANK 15GAL CAPACITY W/LID

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DRAWN BY: KEN McWILLIAMS
 DATE: 22APR03 SHEET 1 OF 2
 S/O# NA SCALE: FULL

TANK ASSEMBLY & PUMP,CIP1
 MROS THRU MRO2-OLD/NEW
 00CIP1B

