



**PEDI OPERATING INSTRUCTIONS**

Portable Exchange Deionization (PEDI) provides high quality water on demand. This is accomplished through the use of high quality DI exchange resins. Exchange resins operate through energy supplied by a pressurized flowing stream of water. Loss of flow will cause the DI water to become stale. Once stale, the quality indicator will show poor water quality. Systems sitting idle with no water flow will indicate poor water quality at time of usage. To correct this issue follow the below steps:

**Flush System to Quality**

1. Open the system to drain at a controlled rate of flow
2. Rate of flow should not exceed
  - a. 2 gpm for 1.2 Cubic Foot Mixed Bed Units
  - b. 3.5 gpm for 1.2 Cubic Foot Dual Bed Units
  - c. 6 gpm for 3.6 Cubic Foot Mixed Bed Units
  - d. 10 gpm for 3.6 Cubic Foot Dual Bed Units
3. Allow unit to flow 7 to 10 minutes.
4. When water quality desired is achieved, stop drain line flush and return system to service.
5. If after 10 minutes of quality flush the units have not returned to quality stop flush. Units are exhausted and need replaced.
6. Remove tank (s) from line and exchange for a fresh set.
7. Call to reorder tanks on an as needed basis.

*Additional information may be found on system installation drawing. Also see PEDI Application Guidelines*

Should further assistance be needed please call Aqua Systems Commercial/Industrial department at 317-272-6715

SERVICE IN / OUT KIT			
ITEM #	QTY	PART #	DESCRIPTION
1	15'	04110710	3/4" Grey Pureflex Water Hose
2	8	08080121	Size 10 Stainless Steel Clamp
3	3	09500104	Union x Male Adaptor 3/4"
4	4	09500103	Union Adaptor x Hose Barb 3/4"
5	4	09500102	Union x Hose Barb 3/4"
6	3	09500101	Male Adaptor 3/4"
7	2	08803146 KKK	3/4" fpt x fpt x fpt Tee
8	1	08803107 K	3/4" Close Nipple PVC
9	2	08803165 K	3/4" fpt x fpt Ball Valve
10	1	09500092	3.5 gpm Flow Cntl 3/4" Nipple

\* QUALITY LIGHTS SHOWN FOR ILLUSTRATION ONLY

AVAILABLE QUALITY LIGHTS	
09520120	Resilite 110V 50K ohm 3/4"
09520122	Resilite 110V 1Meg ohm 3/4"

**NOTES:**

1. INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.
2. INTERCONNECTING PIPING SHOWN DOTTED IS SUPPLIED BY OTHERS.
3. QUALITY LIGHTS ARE OFFERED SEPARATELY

OPTIONAL COMPONENTS			
ITEM #	QTY	PART #	DESCRIPTION
13	1	08803165 K	3/4" THREADED BALL VALVE
14	1	09500101	Union Adaptor x Hose Barb
15	1	09500104	Union x Male Adaptor
16			
17			
18			
19			

09550102	Pure Light 2 with Trans.
09520121	Resilite110V 200K ohm 3/4"
09520123	Resilite 110V 2 Meg ohm 3/4"

REV. #	ITEM/SIZE	DATE
3	ADDED NUMBER FOR HOSE & STD VALVE	02/08/2006
2	CHG'D UNION X HOSE BARB TO NPT	02/08/2006
1	ADDED FLOW CONTROL CHG. OPTIONAL EQUIP.	12/27/2005

DESCRIPTION	
3/4" CARBON, CATION, ANION, CONFIGURATION	
PAGE 1 OF 1	APPROVED BY: NR DATE: 03/06
PART NUMBER:	15000007

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