



SMT PACK REPLACEMENT

Cat # SPR00SIA1; SPR00SIA2; SPR00S001; SYPK0SIA1;
 SYPK0SIX2; SYPK0SIX3; SIPK0SIA1; SIPK0SIX2; SIPK0SIX3
 Replacement procedure

Introduction

Where used Direct-Q 3,5,8 (UV-R) / RiOs-DI 3 (UV) / RiOs 3,5,8 / Synergy (UV-R) /
 Simplicity (UV) / ICW-3000

In the shipping box

- SmartPak DQ 3 (Direct-Q) / SmartPak RODI (RiOs-DI) / SmartPak RO (RiOs) / SynergyPak 1, 2, 3 (Synergy) / SimpliPak 1, 2, 3 (Simplicity) / SimpliPak 1 (ICW-3000)
- Instructions sheet

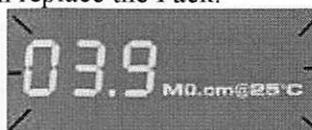
Replacement procedure

When to replace the Pack The list below shows when to replace the Pack.

- When the Pack alarm icon is blinking

Direct-Q, RiOs-DI, Synergy, ICW-3000	RiOs	Simplicity
		

- When the system resistivity display is blinking (Direct-Q, RiOs-DI, Synergy, Simplicity and ICW-3000 only). The Product resistivity is below the resistivity setpoint set in menu option CO2. The system may have been in STANDBY mode for awhile. Start a manual recirculation to recirculate the water in the system (Direct-Q, Synergy, Simplicity and ICW-3000 only). If the Pack alarm icon is still displayed, then replace the Pack.



- After a system or tank sanitization (Direct-Q, RiOs-DI and RiOs only).

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Replacement procedure, Continued

Removing the old Pack

ATTENTION! (*Direct-Q, RiOs-DI and RiOs only*).

Open the tank outlet valve before replacing and installing a new Pack. This keeps the tank from filling until the Pack is rinsed out.

HAZARD! (*UV systems only*).

Do not touch the UV lamp when replacing the Pack.

Follow the steps below to remove the used Pack.

Step	Action	Diagram
1	Remove the final filter (Direct-Q, ICW-3000, Synergy and Symplicity only). Note: it is not needed to remove the final filter on Direct-Q (UV) R and Synergy (UV) R systems	
2	Open the front cover to go in STANDBY mode. Wait for the system to depressurize. The Display shows STANDBY blinking for 10 seconds.	
3	Press your thumbs on the system.	

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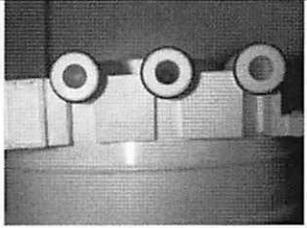
Replacement procedure, Continued

Removing the old Pack (continued)

Step	Action	Diagram
4	Swing the Pack towards you.	
5	Remove the Pack from the system. <u>NOTE:</u> the SmartPak RO (RiOs) and the SimpliPak (Simplicity, ICW-3000) have one tube only.	

Installing the new Pack

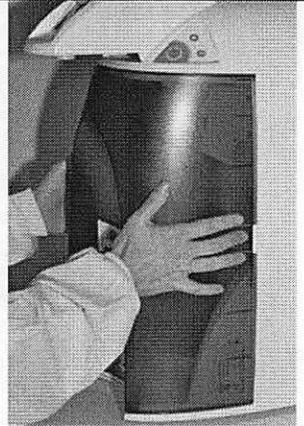
Follow the steps below to install the new Pack.

Step	Action	Diagram
1	<ul style="list-style-type: none"> Remove the new Pack from its shipping box. Remove the protective caps on the ports of the Pack. Locate the o-rings on the ports. Wet them with water. It is preferable to wet them with ultrapure water. 	
2	Insert the Pack into the system ports.	

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Replacement procedure, Continued

Installing the new Pack (continued)

Step	Action	Diagram
3	Press your forefinger on the system.	
4	Push the Pack until it is fully seated	
5	Close the front cover. <u>NOTE:</u> the Tank Outlet Valve should be left open (Direct-Q, RiOs-DI and RiOs only).	
6	<ul style="list-style-type: none"> • Go to “Flush Mode and Rinsing of the Pack” for Direct-Q, RiOs-DI and RiOs. • Go to “Purging air from the system” for ICW-3000, Synergy and Simplicity. 	

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Replacement procedure, Continued

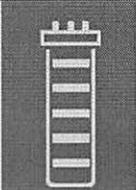
Flush Mode and Rinsing of the Pack

Direct-Q, RiOs-DI and RiOs only

- After installing the Pack, the system goes in Flush Mode for 15 minutes. This is done to empty the Pack of air and hydrate the material inside.



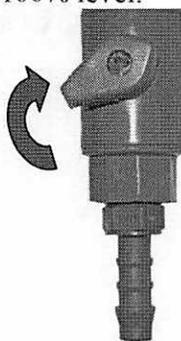
- When Flush Mode is finished, the system goes in Filling Tank Mode automatically.

Direct-Q	RiOs-DI	RiOs
		

- Let Filling Tank Mode run for 15 minutes with the Tank Outlet Valve open. This rinses the purification media inside the Pack.

NOTE: for sensitive applications, it is recommended to leave the system in Filling Tank overnight to ensure complete rinsing of the RO membrane.

- Close the Tank Outlet Valve. The tank starts to fill up with water. It could take approximately 1.5 to 2 hours to fill the tank. When it is full, the display shows the Tank level filled to the 100% level.



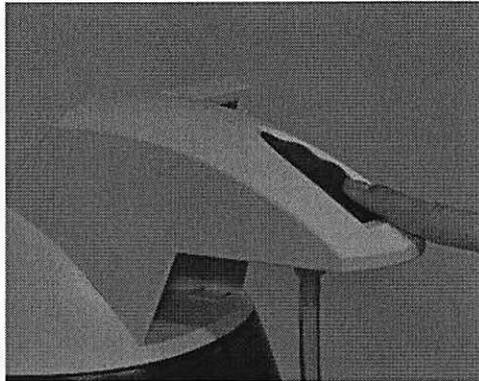
Direct-Q, Synergy and Simplicity only

NOTE: when a new Pack has been installed, the red pack alarm may be blinking prematurely. This is normal. The alarm message should disappear once the air purge of the Pack has been completed.

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Replacement procedure, Continued

Purging air from the system



Direct-Q, ICW-3000, Synergy and Simplicity only

- Air trapped in the Pack should now be purged from the system. Locate and install the barbed fitting and the clear tubing from the Accessories bag.
- Press on the button to put the system in Dispensing Mode (picture shows Dispensing Mode on Direct-Q and Synergy).
- Dispense about 3-4 litres of water.

NOTE: for Simplicity and ICW-3000, ensure that the tank is filled with pretreated water so that about 2 litres of water can be dispensed.

Hydrating the system

Direct-Q, ICW-3000, Synergy and Simplicity only

- At this time the Final Filter is not installed. Leave the system overnight or for several hours in Filling Tank Mode (Direct-Q) or Pre-Operate Mode (ICW-3000, Synergy and Simplicity). The system recirculates water regularly and rinse off purification media inside the Pack. Do not leave the system in Standby Mode.
 - The next morning, put the system in Dispensing Mode and dispense some water.
 - Allow about 1 litre of water to be dispensed from the system.
 - Stop the dispensing water by pressing the button again.
 - Remove the clear tubing and the barbed fitting.
 - The Final Filter now needs to be installed. Refer to the User Manual.
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