

Table 1-5: Rosemount TCL Total Chlorine System Ordering Information (continued)

31	Rosemount 499ACL-02-54-60 Total Chlorine Sensor with optimum EMI/RFI cable
32	Rosemount 499ACL-02-54-VP Total Chlorine Sensor with VP cable connector ⁽¹⁾
Typical model number: TCL-11-280-32	

(1) Interconnecting VP cable sold separately.

Accessories

Table 1-6: Sample Conditioning System Accessories

Part number	Description
24134-00	Air pump, 115 Vac, 50/60 Hz
24134-01	Air pump, 230 Vac, 50/60 Hz
9160578	Air pump repair kit
9322052	Check valve for air injection line
24153-00	Carboy for reagent, 5 gal/19 L, includes cap
9100204	Fuse, 0.25 A, 250 V, 3 AG, slow blow for option-11 (115 Vac)
9100132	Fuse, 0.125 A, 250 V, 3 AG, slow blow for option -12 (230 Vac)
9380094	Reagent pump, 115 Vac, 50/60 Hz
9380095	Reagent pump, 230 Vac, 50/60 Hz
9380091	Reagent pump replacement tubing
24151-00	Reagent tubing replacement kit
24135-00	Reagent uptake tubing, 6 ft (1.8 m), includes weight
9380090	Sample pump, 115 Vac, 50/60 Hz
9380093	Sample pump, 230 Vac, 50/60 Hz
9380092	Sample pump replacement tubing
24152-00	Sample tubing replacement kit
24164-00	Potassium iodide, 25 g, sufficient for 5 gallons (19 L) of vinegar (0-5 ppm total chlorine)
24164-01	Potassium iodide, 50 g, sufficient for 5 gallons (19 L) of vinegar (0-10 ppm total chlorine)
24165-00	Acetic acid, 2 x 2.5 gal (9.5 L) bottles/case, with 25 g potassium iodide (0-5 ppm total chlorine)
24165-01	Acetic acid, 2 x 2.5 gal (9.5 L) bottles/case, with 50 g potassium iodide (0-10 ppm total chlorine)

8. Slide the pump assembly out of the air pump body.

See [Figure 12-17](#).

Figure 12-17: Pump Assembly



9. Following instructions on the package (PN 9160518), replace the diaphragm and check valves.
10. Slide the pump assembly back into the pump body and replace the barbed inlet fitting.
11. Replace the rubber base and screw the pump access panel back onto the air pump.
12. Connect the air inlet and outlet tubing to the air pump.

See [Figure 12-14](#). The conical end of the check valve points in the direction of the air flow.

13. Replace the air pump access panel.
14. Connect the sample pump tubing to the pump. Connect the reagent and injection tubing. Connect the air inlet tubing to the barbed fitting at the bottom of the enclosure.

Table 12-2: Replacement Parts and Reagent for Sample Conditioning System

PN	Description
24134-00	Air pump, 115 Vac, 60 Hz
24134-01	Air pump, 230 Vac, 50 Hz
9160578	Air pump repair kit
9322052	Check valve for air injection line
24153-00	Carboy for reagent, 5 gal/19 L, includes cap
9100204	Fuse, 0.25 A, 250 V, 3 AG, slow blow for option -11 (115 Vac)
9011132	Fuse, 0.125 A, 250 V, 3 AG, slow blow for option -12 (230 Vac)
9380094	Reagent pump, 115 Vac, 50/60 Hz
9380095	Reagent pump, 230 Vac, 50/60 Hz
9380091	Reagent pump replacement tubing
24151-00	Reagent tubing replacement kit (see Section 12.3.2)
24135-00	Reagent uptake tubing, 65 ft (1.8 m), includes weight