

Introduction

The C-Sense's Water-Pumped Head Assembly P/N 2400-700 and 2410-700 creates a watertight seal with the instrument's head and reduces sensor equilibration time for a given sample of water. In addition, the high water shear across the membrane provides an effective means of minimizing the formation of biofilms.

Features

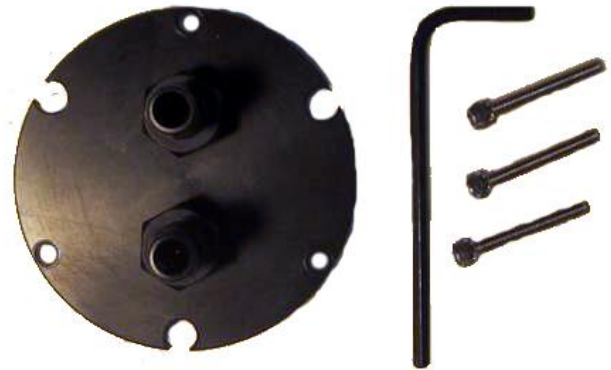
- Easy installation and removal
- Corrosion resistant material
- Watertight seal

Installation

1. Using the supplied hex wrench, remove three of the socket-head screws that affix the sensor head to the instrument. Ensure that screws are removed in an alternating pattern as shown.



CAUTION: Do NOT loosen the three remaining screws as this will compromise the instrument's integrity. Extra care should be taken when using the hex wrench near the sensor's membrane. Scratches on the membrane surface can result in sudden failure and flooding of the instrument.



2. The Water-Pumped Head Assembly will fit directly on top of the three remaining socket-head screws. Ensure the Water-Pumped Head Assembly is flush with the sensor head, then insert and hand tighten the three screws that are supplied with the pumped head.



3. Once the Water-Pumped Head Assembly is gently resting on the o-ring seal, creating a small even gap between the Water-Pumped Head Assembly and the sensor head; the three screws can be tightened using the supplied hex wrench. Use a quarter turn on each screw, alternate among the three screws. Continue to do this until the Water-Pumped Head is securely connected to the sensor head; allowing the o-ring seal to remain seated.

CAUTION: Do NOT over-tighten the screws.



Specifications

Material	Delrin
Length	1.5 inches
Diameter	50 mm; 2 inches
Depth Rating	600 meters
Head Port	¼ inch OD; ⅜ inch ID

- The Water-Pumped Head Assembly is supplied with a 30 cm long piece of ¼ inch ID tubing for connecting a small user-supplied water pump to one of the water-pumped head ports. Recommended flow rate is 0.5-3 liters per minute when using the Water-Pumped Head Assembly.

CAUTION: Higher flows may abrade the membrane more quickly and should be avoided.

