

Overview

Replacing the Bladder Sleeve Assembly with a Santoprene Bladder Cartridge Assembly

Tools and Materials Needed

1. Model 407 Mk1 1.66" x 2ft SS Bladder Pump (#114837)
2. Model 407 1.66" x 2ft Santoprene® Bladder Assembly (#117234)

Note: These instructions assume that the Model 407 Solinst Bladder Pumps has been completely decontaminated and is fully assembled before beginning the conversion.

Disassembling the Bladder Pump

1. Unscrew and remove the Filter Retainer, Filter Screen and Top and Bottom Platens, being careful not to lose the Check Balls.
2. Remove the Bladder Sleeve from the Pump Body.

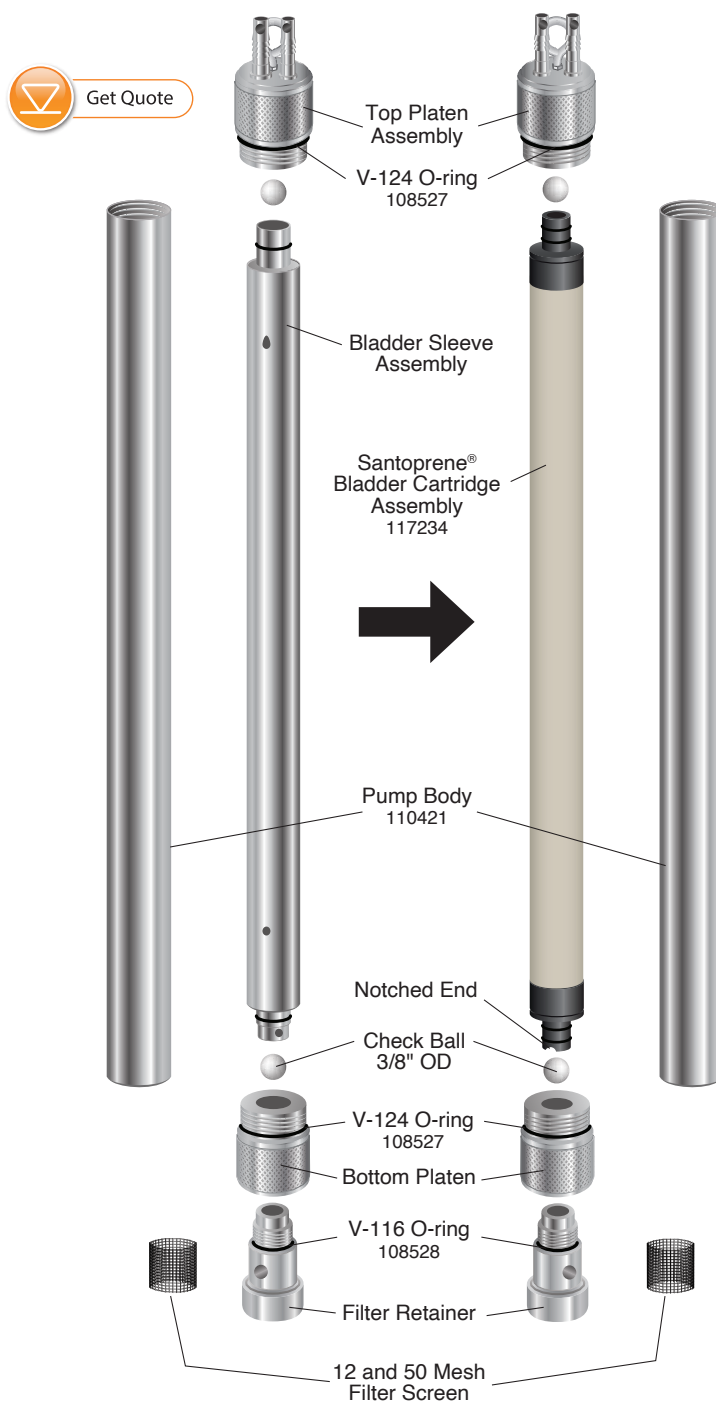
Note: The Bladder Sleeve will contain the Centre Rod, Bladder, and the Top and Bottom Retainers. None of these parts are needed for the conversion.

3. Check all O-rings for wear or damage, replace as necessary.

Assembling the Bladder Pump

1. Put the Filter Screen over the Filter Retainer. Screw the Filter Retainer into the Bottom Platen.
2. Drop a 3/8" OD Check Ball into the Bottom Platen.
3. Fit the Bottom Retainer of the Bladder Cartridge Assembly firmly into the Bottom Platen (Bottom Retainer has a notched end).
4. Slip the Pump Body over the Bladder Cartridge Assembly and screw it onto the Bottom Platen.
5. Drop a 3/8" OD Check Ball into the Top Platen and screw the Pump Body onto it.
6. Shake the assembled pump to hear if the Check Balls rattle. If not, repeat the steps to ensure that the Check Balls are positioned correctly.

Note: The same instructions can be used for Model 407 Mk1 1" x 2 ft Bladder Pumps (#108207) with a Model 407 1" x 2ft Santoprene Bladder Assembly (#117233).



Note: See separate instructions for Bladder Pump operation.