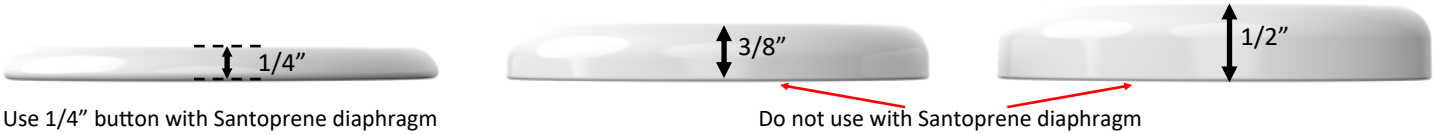


Replacing Buna-N Diaphragm with Santoprene Diaphragm

Any Bosworth motorized GE-040x, GE-050x, G2-050x pump that is currently using the black Buna-N diaphragm (SKU G4/5 DIAP.-FDA) can be converted to use the new white Santoprene diaphragm (SKU G4/5 DIAP-SANTO-FS). The conversion kit G4/5 SANT-CONV-KIT is used to make this conversion.

When converting from the black to the white diaphragm, users must ensure that the white Santoprene diaphragm is installed with the 1/4" diaphragm button. If your pump has either the 3/8" or the 1/2" sized button (see below), it should be replaced with the 1/4" button when installing the Santoprene diaphragm.



Additionally, while pumps equipped with the black Buna-N diaphragm use only one stainless steel washer, two stainless steel washers should be installed into the recessed button cavity when converting to the Santoprene diaphragm.

The diaphragm conversion kit G4/5 SANT-CONV-KIT contains (1) Santoprene diaphragm, (1) 1/4" button and (1) stainless steel washer. When converting from the black Buna-N diaphragm to the white Santoprene diaphragm ...

- 1) Remove the diaphragm screw securing the stainless steel washer, pump button and diaphragm to the clevis-button structure above the diaphragm.
- 2) Replace the black Buna-N diaphragm with the white Santoprene diaphragm.
- 3) If the pump was equipped with a 3/8" or 1/2" button, replace it with the 1/4" button provided in the Santoprene diaphragm conversion kit.
- 4) Secure the diaphragm, button and two stainless steel washers (combining the stainless steel washer that was already on the old button with the additional stainless steel washer from the conversion kit) to the clevis-button structure using the diaphragm screw. (Note: Apply blue Loctite to the threads of the diaphragm screw to ensure that it does not loosen during pump operation.) Tighten the diaphragm screw to 15 in-lbs of torque.

