

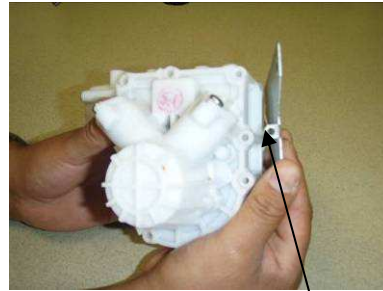
Disassembly Brix Pump Assembly



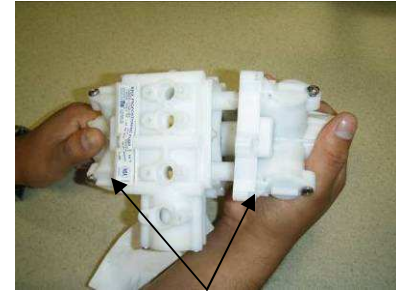
Flush 4:1 Brix Pump according to sanitization procedure



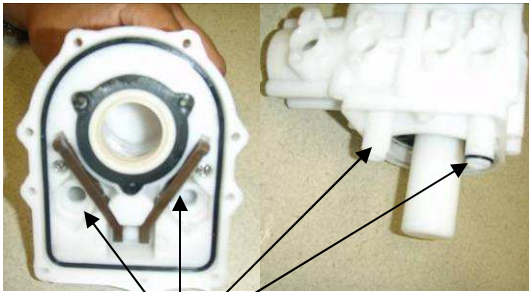
Remove outer body screws (9 per side)



Remove base plate



Remove Right and Left Covers



Remove o-rings from each side (4 total)



Discard o-rings

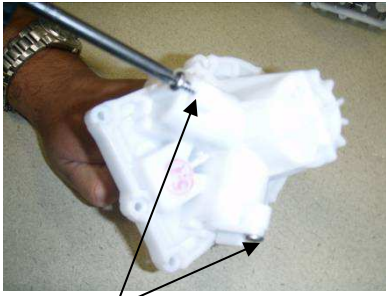


Remove 3 screws from plunger seal (Both sides)

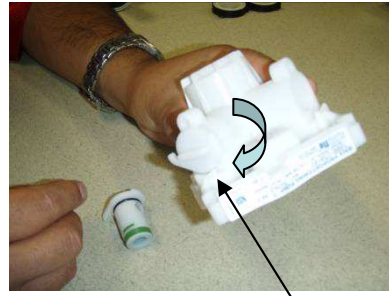


Remove plunger seal and discard it

Disassembly Brix Pump Assembly



Remove screws to access valve assemblies (Both sides, 4 total)



Rotate valve covers 90°



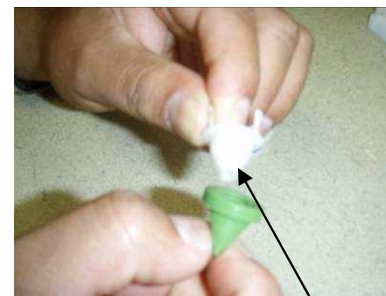
Remove valve assemblies



Valve assemblies



Inlet valve Assembly



Remove Valve Support



Inlet Valve Assembly components

Disassemble Valve Assemblies



Outlet valve assembly



Remove outlet valve support



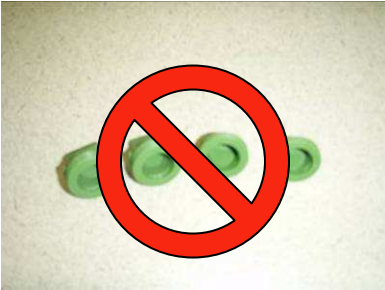
Remove outlet valve



Outlet valve assembly components

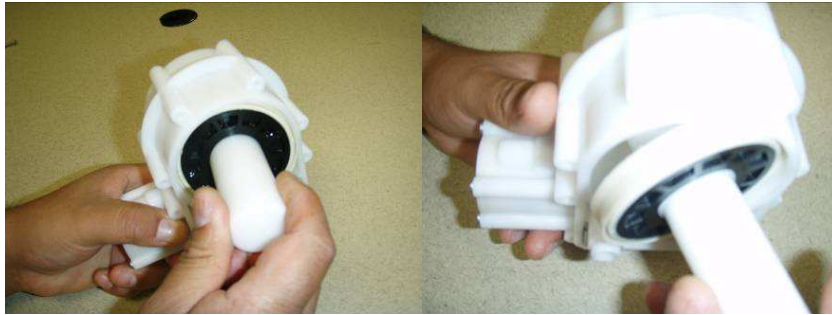


Cover assembly components



Discard all used valves

Remove Plunger Assembly



Remove Plunger from Center Body



Discard Plunger Assembly

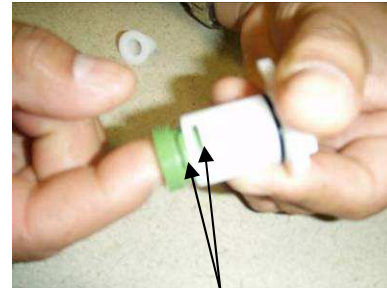
New Outlet Valve Assembly



Dow Corning 111
Valve Lubricant &
Sealant (NSF/ ASNI
51 / 61 Certified)



Apply a small amount
of grease to the
inside of the outlet
valve assembly



Insert outlet valve into
outlet valve housing (align
extrusion on valve with
grove on valve housing)



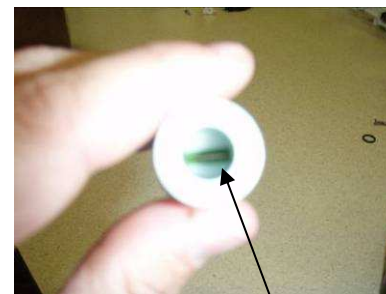
Valve should lock in
place with valve housing



Apply a small amount
of grease to the inside
of the outlet valve



Carefully Insert outlet
valve support

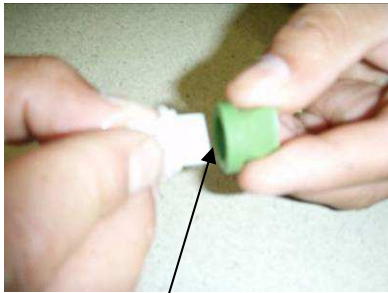


Check to make sure
duck bill valve closes
after valve support is
installed

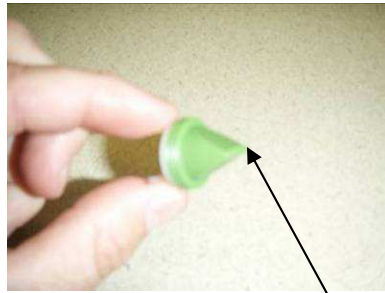


Insert Outlet valve
assembly in outlet
ports of pump

New Inlet Valve Assembly



Apply a small amount of grease to the inside of the inlet valve



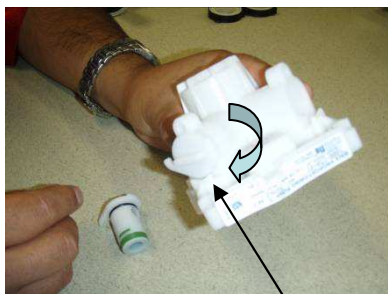
Insert inlet valve support into inlet valve. Make sure duck bill valve closes



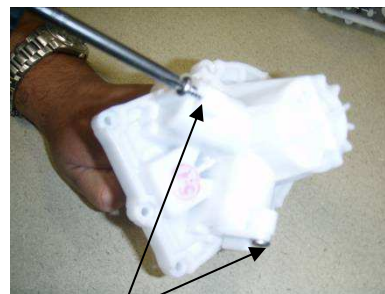
Insert duck bill valve and inlet valve support into inlet valve housing



Insert inlet valve assembly into inlet ports of pump



Rotate all valve covers 90°



Secure valve covers in place inserting screw which were removed and hand tightening (8 – 10 in/lbs torque)

New Plunger Seal Assembly



Insert new plunger seal in to syrup housings



Santoprene seals facing inward



Secure plunger seal in place by inserting screws which were removed and hand tightening (6 – 8 in/lbs torque)



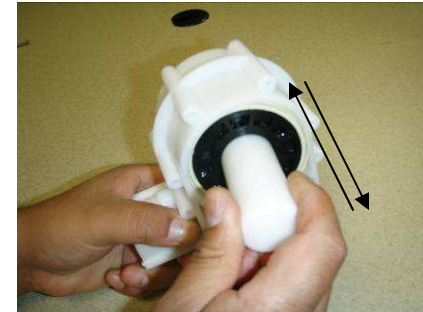
New Plunger Assembly



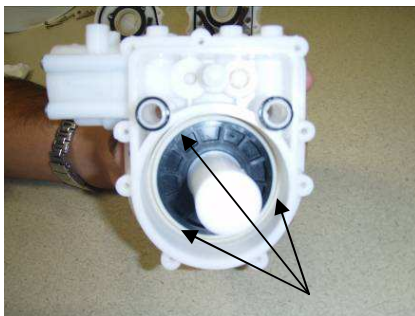
Apply thin layer of grease around the entire circumference of the plunger



“CAREFULLY” insert the plunger assembly into the center body. Insert in a slight angle to prevent pinching of lip seal.

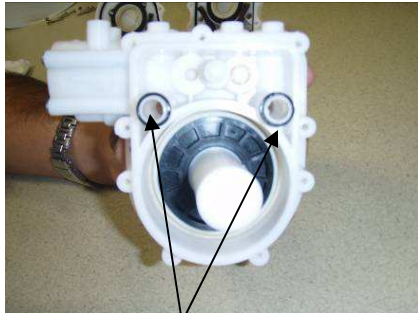


Once Inserted, push and pull on the plunger to assure a proper fit



Visually look where the plunger seals against the center body for any pinches or flaws in the seal

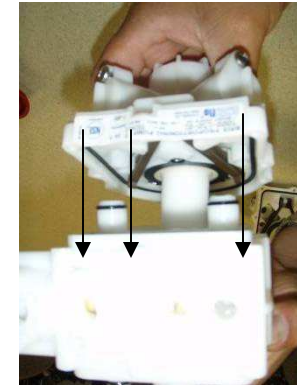
Final Assembly



Insert New o-rings on both side of each syrup transfer tube. Apply a small amount of grease around the circumference of each o-ring (both sides of pump)



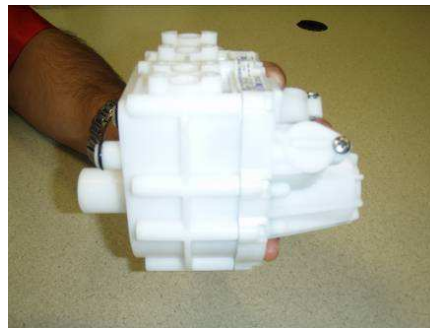
Apply a thin layer of grease around the circumference of each plunger seal



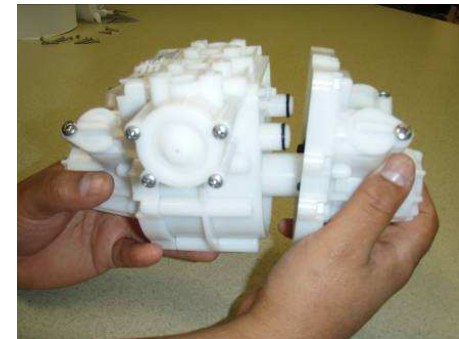
Line up the screw ports of the outer housing assembly with the center body assembly



Carefully insert the plunger through the plunger seal

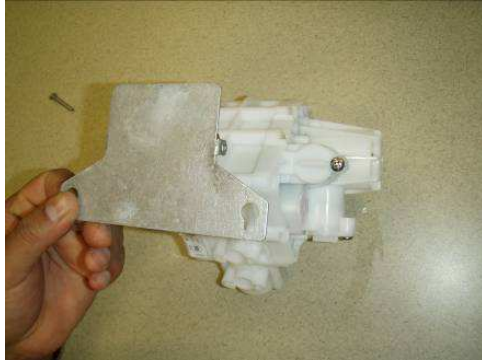


Gently press together until the two housings snap together. If they don't snap you've probably pinched an o-ring remove and check o-rings



Repeat steps with second side

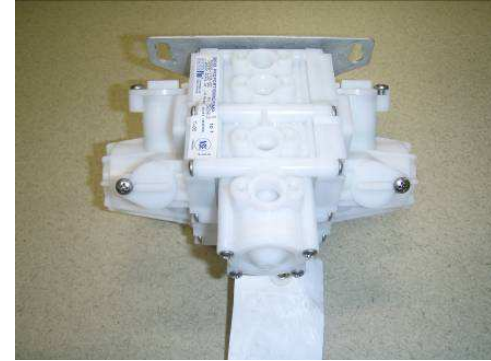
Final Assembly



Line up Base plate



Insert all 18 screws
and hand tighten (12
– 15 in/lbs torque



Test and Sanitize Pump
According to SHURflo Test and
Sanitization Procedures