

SPRAY NOZZLE
ENGINEERING

PATENTED
DESIGN

NOZZLE ASSEMBLY SOP - STORK LARGE LANCE SYSTEM

CLICK&DRY™ MAXI CONVERSION (ENTRY LEVEL) PUSH FIT RETAINER SEAL-IN-DISC™

Featuring **Large Bore Push Fit Retainer** for easier cleaning access using standard Compact Swirl and Seal-In-Disc™ Orifice. **No Weld Conversion**

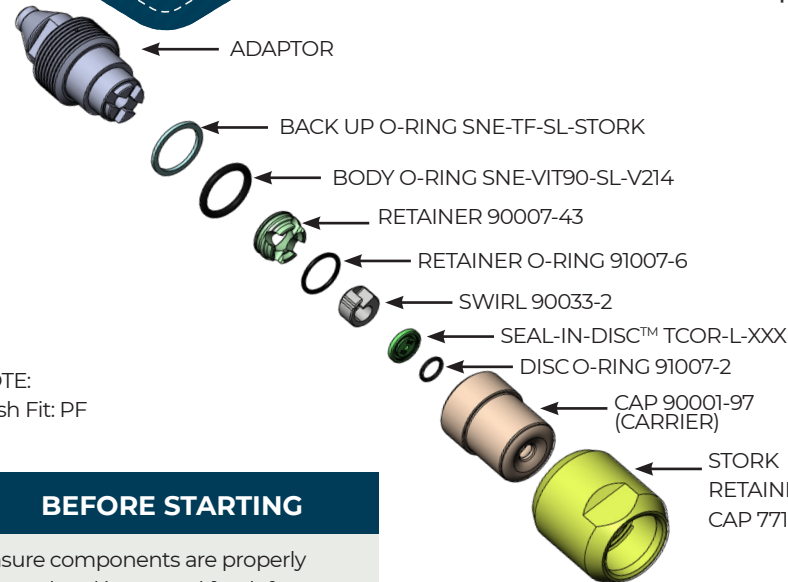
0800 nozzle

+64 7 839 6444

sales@spraynozzle.co.nz



www.spraydrynozzle.com



NOTE:
Push Fit: PF

BEFORE STARTING

Ensure components are properly cleaned and inspected for defects.

AVOID IMPACT DAMAGE, ALWAYS USE



IMPORTANT

NEVER scour, scrape or dig to clean nozzles



Ensure Lance Body internals and sealing face are clear of any obstruction and foreign material before re-assembly. Always check for old seals and O-rings and remove before re-assembly.



Always use suitable food graded O-ring lubricant to fit all O-rings. Apply lubricant during assembly to protect O-ring and assist installation.



Retainer Assembly

- Apply food grade lubricant to O-ring
- Carefully roll O-ring to the groove in the middle of the Retainer and adjust to fit in place
- Always use correct O-ring



- Ensure you identify the correct Seal-In-Disc™. This is the Disc with the circular O-ring groove as pictured



- Place Disc O-ring into groove securely by pushing in all around. Use of food graded O-ring lubricant helps this process and protects O-ring



- Place retainer on top of the retainer assembly tool with the crown side facing up.
- The retainer should sit firmly on the assembly tool.



- Hold swirl with the tapered edge facing downwards, place the swirl on top of the retainer crown. The swirl should sit firmly on the retainer.
- Ensure swirl flow path facing up right.



- Place orifice disc on top of the swirl in a centralized position with the O-ring side facing up.
- Note: Seal-In-Disc™ O-ring/ groove must be facing up and visible.



- Place nozzle cap over the assembled parts and press down until the parts are securely locked inside the cap.
- Note: orifice disc should hard up against cap outlet aperture inner wall



- Slowly bring assembled cap back up off and away from assembly tool shaft.
- Invert cap so that all parts face down.
- Note: Always keep cap in this position for transportation and assembly onto lance, to avoid wear part dislodgement.



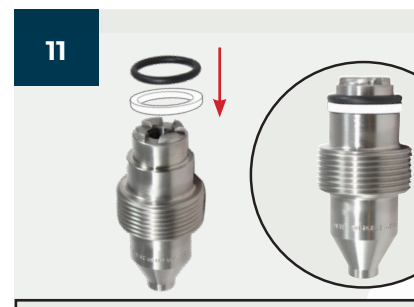
- With the assembly remaining on the flat surface, Seal-In-Disc™ orifice disc, Swirl and Retainer should now be sitting in alignment
- Push Retainer into cap to lock wear parts in place



- The SNE engraving on the Swirl should be visible from the inside of the assembled Cap as seen in picture above.



- Once again, inspect front end face of Cap assembly. Seal-In-Disc™ orifice disc should be resting up against the inner wall of Cap outlet without a gap large enough to indicate that an O-ring or wear parts have misaligned or come loose. If so, check components and repeat all assembly steps.

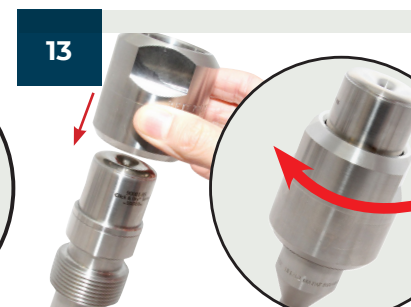


Maxi Conversion System uses Standard Stork Body without the need for lance modification.

- Place Back Up PTFE-Ring onto the Adaptor first. Note that this ring has square edge.
- Then place Body O-Ring next to the Back Up Ring as seen in picture above.
- Always use correct Seals and O-ring.
- Always use this assembly orientation.
- Use food grade lubricant on O-ring during assembly.



Attach the assembled Cap onto the Adaptor then push the cap in as tight as possible.



- With the Adaptor tightly attached to the Cap, Stork Retaining Cap can now be hand screwed the onto the Adaptor.
- With Cap fully tightened to the body, use special C&D™ large Multi Tool provided to 'nip-up' the Retaining Cap. Ensuring Cap is fully engaged.

Standard Retaining Ring/ Cap is used without the need for modification

For more ideas on better nozzle hygiene, construction and safety features, visit www.spraydrynozzle.com

Cap and wear part disassembly

Using Wear Part Removal Tool to disassemble the assembled cap:



- Insert assembled Cap into the male part of Disc Separator tool.
- Cover the female part of the Disc Separator tool onto the base as pictured.
- Push down to release assembled wear parts out of the Cap into the male cup part of the separation tool.

Do your nozzle parts appear "baked-in", causing difficult disassembly? Speak to us today for an optional threaded retainer/ clasp version.