NOZZLE ASSEMBLY SOP

CLICK&DRY™ MAXI REDUCED BUILDUP THREADED CLASP

Introducing the new "**No Bearding**" spray dry nozzle system, reducing product build up and increasing run times. Use in conjunction with "**No Breakage" Wear Part Clasp System**, the ultimate solution for cost saving and easy installation/ removal. Optional **Drip-Pro™ Check Valve** technology - scorched particle reduction with longer run times.

CLICK&DRY™
SPRAY DRY NOZZLES

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BEFORE STARTING

Ensure components are properly cleaned and inspected for defects.

AVOID IMPACT DAMAGE, ALWAYS USE

Soft handling basket

Soft handling board

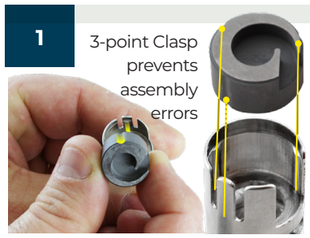
Use O-ring pick to remove any old O-rings. Always replace O-rings & sealing materials with new replacement items.

IMPORTANT

scour, scrape or dig to clean nozzles

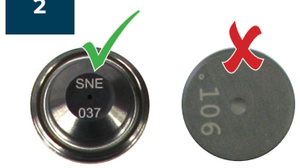
Ensure Lance Body internals and sealing face are clear of any obstruction and foreign material before re-assembly. Always check for old seals and O-rings and remove before re-assembly.

1



- Ensure Easy Out Clasp is clean and free of any obstructions. Align radiused slots (highlighted yellow) on side of Swirl with Easy Out Clasp keyed tab
- Push Swirl fully into the Easy Out Clasp holder until it bottoms out

2



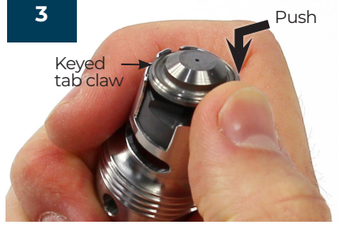
Groove In Disc

Standard Disc

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

Always use approved food graded O-ring lubricant liberally during assembly

3



- Ensure Disc has seal groove facing outwards
- Angularly insert the edge of the Disc under the keyed tab claw of the Clasp first
- Push the Disc downward until it is fully inserted & flat in the Clasp

NOTE: a 'click' sound indicates it is firmly in place.

IMPORTANT NOTE

- Ensure Swirl inlet flow entry is aligned with Easy Out Clasp opening
- Excessive force is NOT required to assemble parts

4

- Apply lubricant liberally to help adhere O-ring in place
- Whilst holding the Easy Out Clasp assembly with the O-ring groove facing upwards, place O-ring within Disc groove as shown. Ensure proper fit & O-ring remains facing upwards

5

- With the O-ring in place and facing upwards, insert the Threaded Clasp assembly into the cut of the Bench plate
- Insert Cap onto the Easy Out Clasp

6

- Screw Cap firmly onto Clasp

IMPORTANT 7

- Inspect front end face of tightened Cap assembly. Seal-In-Disc™ should be resting up hard against inner wall of Cap outlet without any gaps that might indicate a loose O-ring, loose wear parts or damaged threads. If so, check components and repeat all assembly steps

IMPORTANT 8

- With Cap inverted in orientation shown, use food graded O-ring lubricant to help adhere O-ring in place
- Fit Body O-ring within O-ring groove
- Ensure proper fit
- Keep Cap inverted before assembly to lance to avoid dislodgement of O-ring

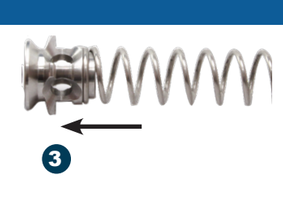
7 OPTIONAL: BAYONET CHECK VALVE ASSEMBLING

1. Push CV Seal in place fully over CV Stem

NOTE:
- Inspect CV Seal and replace if worn
- Replace CV seals simply by pushing widest base over retaining nipple until seal is securely over nipple boss

- Dome seal is easily replaced and should be changed regularly
- Various Dome Seals materials are available upon request. Consult factory for more details

2. Screw CV Seal Body into CV Stem.
- Use approved thread lock on CV Stem Seal before screwing fully into valve body.



- Secure using the triangular shaped socket in the provided C&D Multi-Tool
- Place triangular valve in C&D Multi-Tool
- With a small screw driver inserted in valve body, twist to loosen or tighten (as shown)
- Attach CV Spring onto CV Seal Body as pictured

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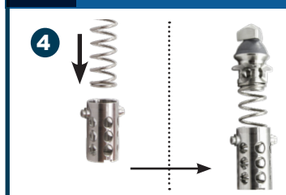

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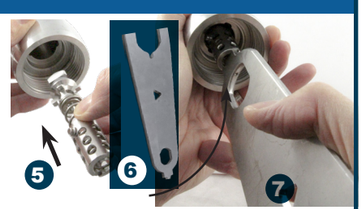
- Place triangular valve in C&D Multi-Tool



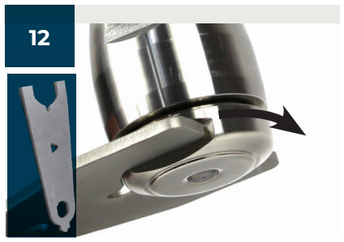
1. The C&D Multi-Tool incorporates a valve removal driver at its end
2. Use the removal driver in C&D Multi-Tool to push and quarter turn twist CV Cage to locate lugs into Bayonet

NOTE: It is recommended CV is cleaned with nozzle components after each run.

11

- Whilst holding the nozzle Cap with the O-ring groove facing upwards (as shown) and O-ring in place, Cap assembly can now be carefully hand screwed up into the nozzle lance body without disturbing the O-ring

12



- With Cap fully hand tightened to the body, use the special C&D Multi-Tool provided to 'nip-up' the Cap ensuring the carrier is fully engaged and secure

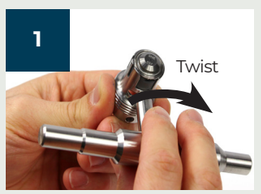
Threaded cap disassembly

Use Bench Plate to disassemble Cap. Ensure the Bench Plate is screwed securely onto a work bench.

- Insert key in slot as above

- Quarter turn twist loosens parts, pushing them upwards in Clasp
- Invert tool, use handle to dislodge all Captive wear parts using C&D Multi-Tool Cap spanner

Easy Out Key for simple wear part removal



- Insert key in slot as above
- Quarter turn twist the Easy Out Key to loosens parts, pushing them upwards in Clasp

- Invert tool, use handle to dislodge all captive wear parts using key end

Use the provided Easy Out Key to prolong the life span of Click & Dry parts