

Nozzle Assembly SOP

Click&Dry™ SUPER MAXI PUSH FIT CLASP

Featuring the new “No Breakage” Wear Part Clasp System, the ultimate solution for easy cleaning and cost saving.



CLICK&DRY™

SPRAY DRY NOZZLES

BEFORE STARTING

Ensure components are properly cleaned and inspected for defects. **AVOID IMPACT DAMAGE, ALWAYS USE**



Soft handling basket

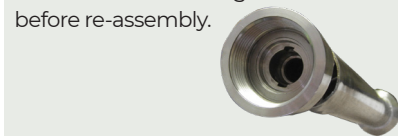


Soft handling board

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

IMPORTANT

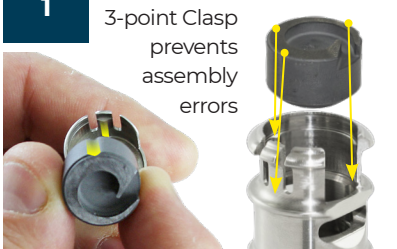
NEVER scour, scrape or dig to clean nozzles



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.

1

3-point Clasp prevents assembly errors



• 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

2

IMPORTANT! NOTE



Keyed tab claw

Swirl inlet

Clasp opening

• Ensure Swirl inlet flow entry is aligned with Easy Out Clasp opening

• Excessive force is NOT required to assemble parts

3

2



Groove In Disc

Standard Disc

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

4

3



Push

Keyed tab claw

• 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.

5

IMPORTANT! NOTE



Seal groove facing out

Clear Swirl inlet

The assembled hardware in Easy Out Clasp should appear as above. The Swirl inlet should be fully visible.

The Easy Out Clasp advantage is that wear components are now locked in place and not easily lost.

6

4



Fit Clasp O-ring in Clasp groove

• Apply lubricant liberally to help adhere O-ring in place

• Carefully roll Clasp O-ring to the groove in the middle of the PF Clasp and adjust to fit in place

7

5



• Apply lubricant liberally to help adhere O-ring in place

• Whilst holding the assembled PF 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

8

6



• Secure Bench Plate onto a work bench

• With the Disc O-ring in place and facing upwards, insert the PF Clasp assembly into the Bench Plate

• Insert Cap onto the PF Clasp

• Push Cap firmly onto PF Clasp until you hear the "click" sound to ensure Disc seats firmly against Cap

9

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

10

8



Caution

Securely fit O-ring flattened into groove

• With Cap inverted in orientation shown, apply food grade O-ring lubricant to O-ring

• Fit Body O-ring within O-ring groove

• Ensure proper fit

• Keep Cap inverted before assembly to lance

11

9



• 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

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• 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

Easy Out Key for simple wear part removal

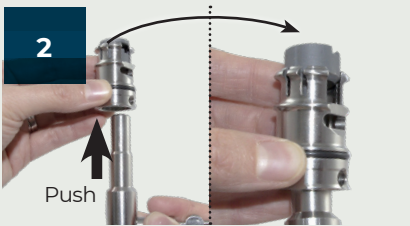
1

Twist



2

Push



• 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

Optional Wear Part Extraction Tools

No carbide contact extraction tool for nozzles that are heavily soiled during operation. Stuck wear parts can be removed with a simple twist with no damage to expensive carbide parts.



Cap Spanner



One-turn Clasp extraction tool

Insert pin through Clasp body and twist down to remove Clasp.

Do you have dripping problem?

Did you know your nozzle is ready to receive our optional Drip Pro Check Valve for superior drip and leak control?

Ask for the additional Check Valve Installation SOP



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