

NOZZLE ASSEMBLY SOP

CLICK&DRY™ COMPACT PUSH FIT CLASP

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

*Saving Wear Parts
The Ultimate Money Saving System!*



+61 3 9583 2368

sales@spraydrynozzle.com

spraydrynozzle.com

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.

1

3-point Clasp
prevents
assembly
errors



- Ensure Easy Out Clasp is clean and free of any obstructions
- With swirl chamber facing upward and swirl inlet aligned with the widest clasp opening, align 3 radiused slots (highlighted yellow) on side of Swirl with 3 matching Clasp keys
- Push swirl fully into the clasp holder

IMPORTANT!
NOTE



Swirl inlet flow entry is aligned with
Clasp opening.

Excessive force is NOT required to
assemble parts.

2



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

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 into tab whilst moving downward until it is fully inserted & flat in the Clasp. A 'click' sound indicates it is firmly in place.

IMPORTANT!
NOTE



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.

4



- Ensure the Swirl and Seal-In-Disc™ are securely fitted
- Use food graded O-ring lubricant 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

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.



5



- Whilst holding the Easy Out Clasp assembly with the O-ring groove facing upwards (as shown), use food graded O-ring lubricant to help adhere O-ring in place
- Place O-ring within Seal-In-Disc™ groove as shown. Ensure proper fit & O-ring remains facing upwards

6



- With the Seal-In-Disc™, Swirl, Clasp and Disc O-ring facing upwards (as shown), insert assembled Retainer into the rear of the Cap
- Push Cap firmly over the Seal-In-Disc™, Swirl and Retainer until you hear the "click" sound and Seal-In-Disc™ seats firmly against Cap

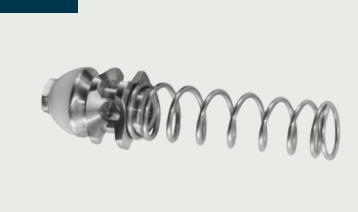
IMPORTANT!
NOTE



- Turn assembled cap over and inspect front end face. Orifice disc should be resting up against inner wall of cap outlet, without any gaps that might indicate a loose O-ring. Worn or damaged parts may also prevent proper assembly. Check components and repeat all assembly steps.

7

Optional Hi-Flo Drip-Pro™ Control Check Valve



1. Attach Check Valve Spring onto Check Valve Seal Body as pictured



2. With Cap inverted in orientation shown, insert assembled Check Valve into the Check Valve Spring Cage
3. Nozzle Cap assembly including check valve can now be screwed into Check Valve Lance body.

Dome seal is easily replaced and should be changed regularly.

IMPORTANT!
8



- 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

9



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

10



- 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

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

Easy Out Key for simple wear part removal

1



Insert key in slot as above. Quarter turn twist loosens parts, pushing them upwards in clasp.

2



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



Contact
sales@spraydrynozzle.com
spraydrynozzle.com
for more information.