NOZZLE ASSEMBLY SOP

CLICK&DRY™ SUPER MAXI TC Armour with OPTIONAL DRIP-PRO ANTI DRIP CHECK VALVE

CLICK&DRY™ SPRAY DRY NOZZLES

Introducing the new **"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.

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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

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

- Ensure Clasp is clean and free of any obstructions.
- With swirl facing toward you, align lug sides of swirl with clasp locating flats and push the swirl sideways by sliding into claws. Ensure swirl inlet is fully visible.

2

- Push swirl fully into the clasp locating flats, until it is "clicked" in place and seated squarely between the locating lugs of the swirl, squarely between the clasp arms, and is sitting hard against base of clasp.

3 TC Armour™ provides superior concentricity

Underside — Seal Groove side up

Identify correct 'Seal-In-Disc™' Orifice disc: The circular O-ring groove as pictured on the right. When inserting grooved disc into clasp, O-ring groove must be facing upwards at all times, with the orifice size engraving.

4

- To insert the 'Seal-In-Disc™' orifice disc, simply align orifice disc flats with upper flats of clasp. Ensure the locating skirt of orifice disc is captive under the upper claws of the clasp.
- Push the disc sideways sliding into claws with a "click" sound indicating it is squarely & firmly in place.

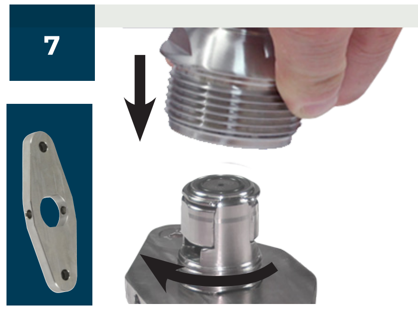
5

- Apply lubricant to help adhere O-ring in place
- Place O-ring within Orifice disc groove as shown. Ensure proper fit & O-ring remains facing upwards.

6

- The assembled hardware in 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.

7



- 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
- Screw Cap firmly onto Clasp

IMPORTANT! 8

- 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! 9

- 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

10

- 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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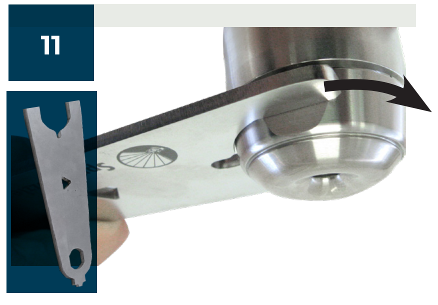
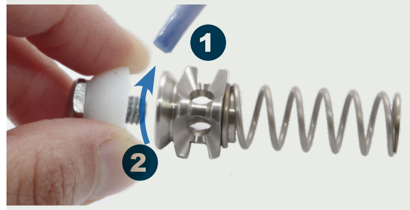


- With Cap fully hand tightened to the body, use the special C&D Multi-Tool provided to 'nip-up' the Cap ensuring the carrier is fully engaged and secure

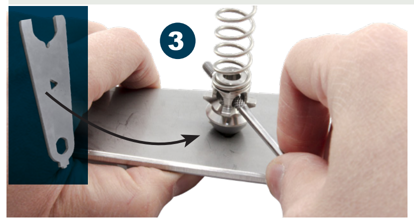
Optional Hi-Flo Drip-Pro™



1. Apply a suitable thread locker liberally to help adhere Seal in place. Insert Check Valve Seal into Check Valve Stem
2. Screw Check Valve Seal Body into Check Valve Stem

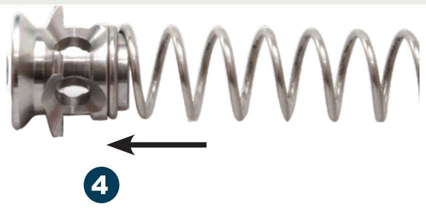
Dome seal is easily replaced and should be changed regularly.

Optional Hi-Flo Drip-Pro™ Control Check Valve

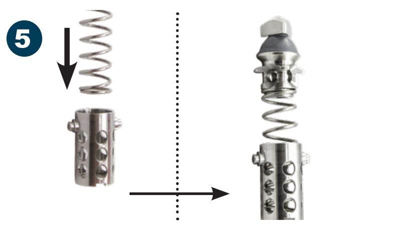


- Dome seal is easily replaced and should be changed regularly
- Various Dome Seals materials are available upon request. Consult factory for more details

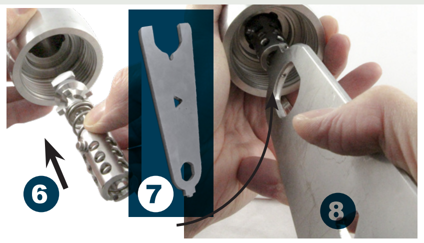
3. Screw CV Seal Body into CV Stem.
   - Use approved thread lock on CV Stem Seal before screwing fully into valve body.



- 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)



4. Attach CV Spring onto CV Seal Body as pictured
5. Insert the assembled CV (spring-end first) into CV Spring Cage until spring rests on internal bottom face
6. Insert the completed CV assembly into Body



7. The C&D Multi-Tool incorporates a valve removal driver at its end
8. 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.

DISASSEMBLY USING TC ARMOUR CLASP REMOVING TOOL

1

Insert pin through alignment hole to secure nozzle assembly to base.

2

Slowly bring tool handle forward, until it just makes contact with orifice and swirl.

3

Slowly move handle in same direction, until orifice/swirl are dislodged enough to remove. Clean normally as per other parts.

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