

Oasis



FV100 Series Fill Valve Instruction Manual

FOR VIDEO INSTRUCTIONS, USE QR CODE LINK ON THE RIGHT
OR GO TO WWW.OASISNGV.COM/DEMONSTRATION_VIDEOS
TO VIEW THE OPERATION VIDEO



▲ WARNING

Failure to follow these instructions or to properly install and maintain this equipment could result in gas leakage, fire or explosion causing property damage and personal injury or death.

Oasis products must be installed, operated and maintained by trained and competent personnel in accordance with all applicable local codes, rules and regulations in addition to the Oasis Instructions.

Oasis Engineering Ltd. will not be held liable in such circumstances where installation, operation and maintenance procedures were performed by incompetent personnel resulting in improper assembly, unsafe operation, equipment damage or personal injury.

Oasis recommends that all service technicians should watch the Product Servicing Video before attempting to service this part.



Servicing Video

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Instruction Manual

Warning!

High pressure gas and gas equipment can cause serious harm to both infrastructure and personnel if safety precautions are not followed.

Oasis recommends considering the use of the following PPE when working with high pressure along with any other site specific health and safety requirements:



Foot Protection



Hearing Protection



Safety Helmets



Hand Protection

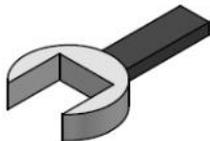


Safety Glasses



Ensure the system is clean of debris, vented and isolated before any installation or servicing work is carried out.

Tools Required



Spanner
(Wrenches)



Thread Tape
(if using NPT
or BSPT
fittings)



Anti Seize Grease
- Swagelok Silver Goop
- Omega 99
- or similar

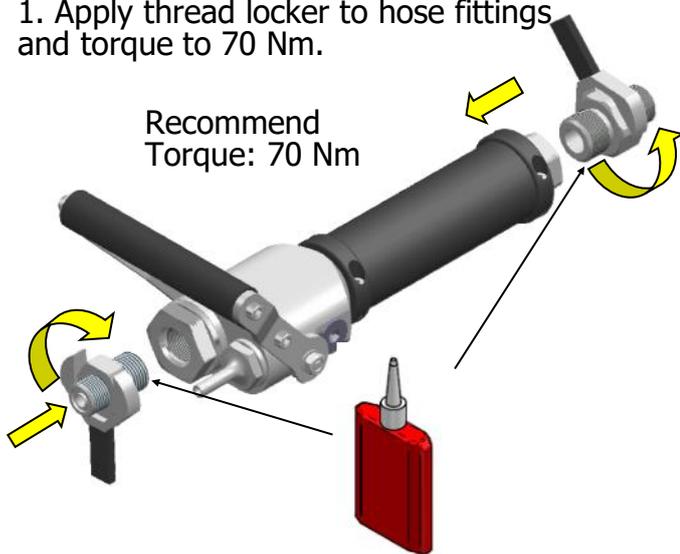


Spray bottle
(Snoop or soapy water)

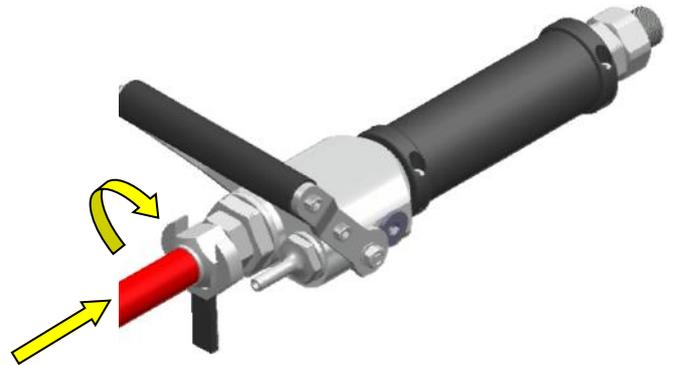


Thread locker
243 Loctite or
similar

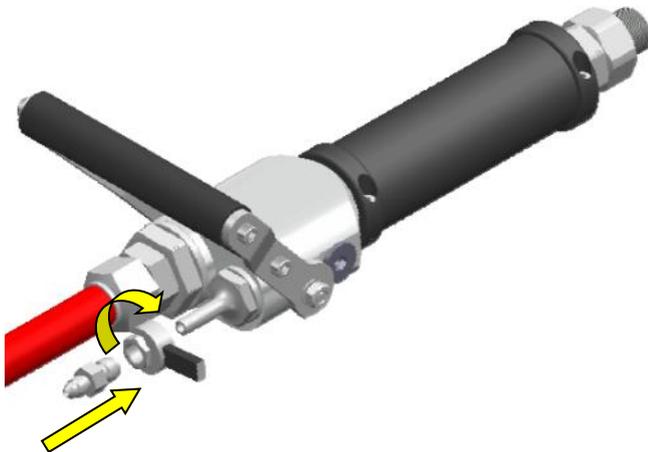
1. Apply thread locker to hose fittings and torque to 70 Nm.



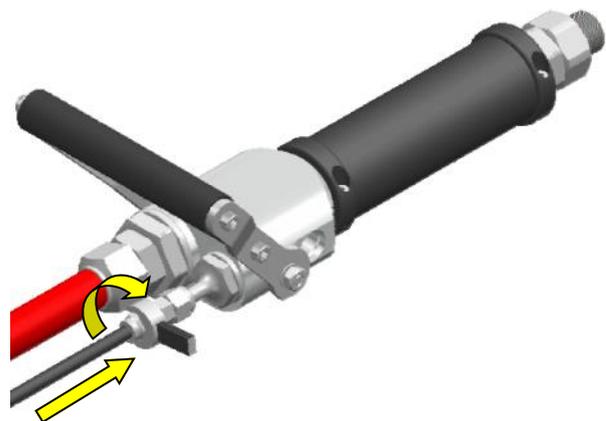
2. Attach main hose, tighten the connection to the hose manufacturers instructions.



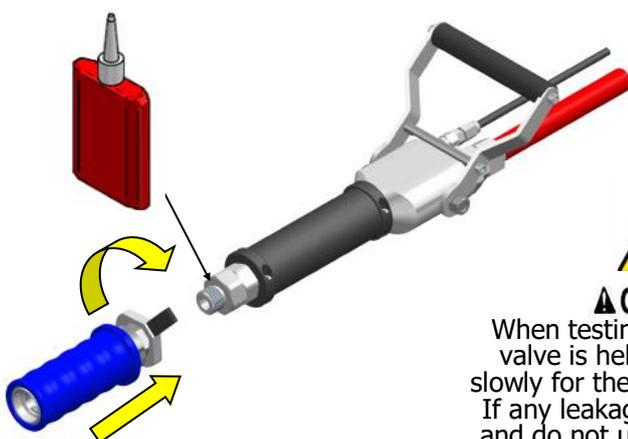
3. Attach vent fitting and tighten to manufacturers instructions.



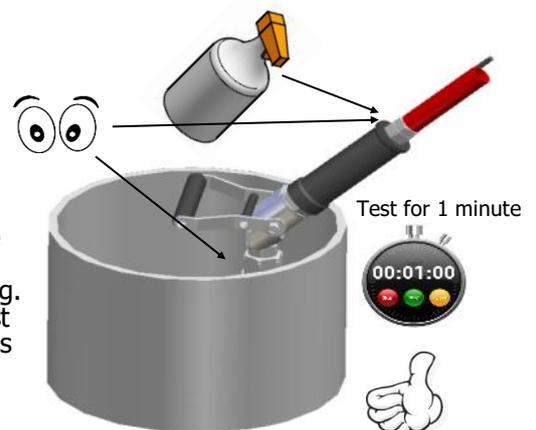
4. Tighten vent hose to the hose manufacturers instructions.



5. Attach nozzle as per manufacturers instructions.



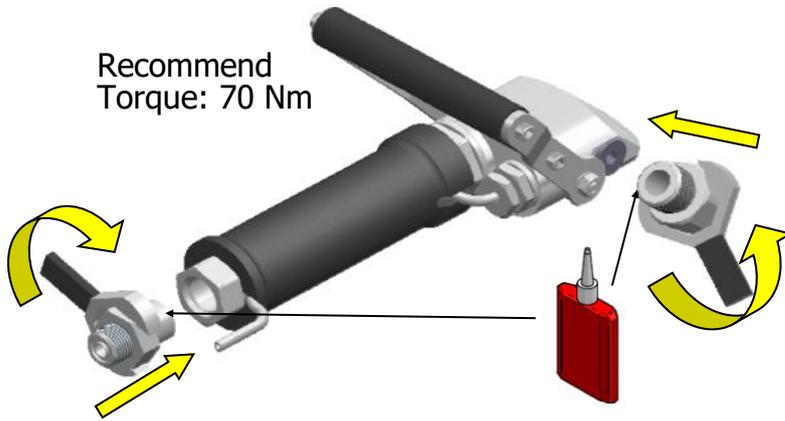
6. Test for leaks before use, place fill valve and nozzle in bucket of water with valve open and look for bubbles. Use snoop or soapy water for unsubmerged connections. Wait 24h before leak test to allow Loctite to dry.



CAUTION

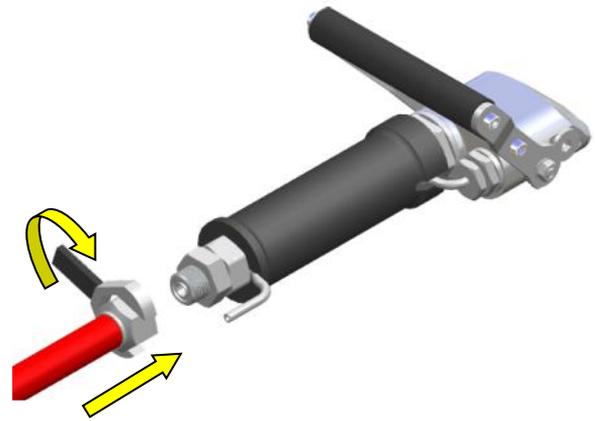
When testing the valve, ensure the valve is held securely and opened slowly for the first time after servicing. If any leakage occurs then stop test and do not use nozzle. Contact Oasis for help.

1. Apply thread locker to hose fittings and body fittings. Torque to 70 Nm.

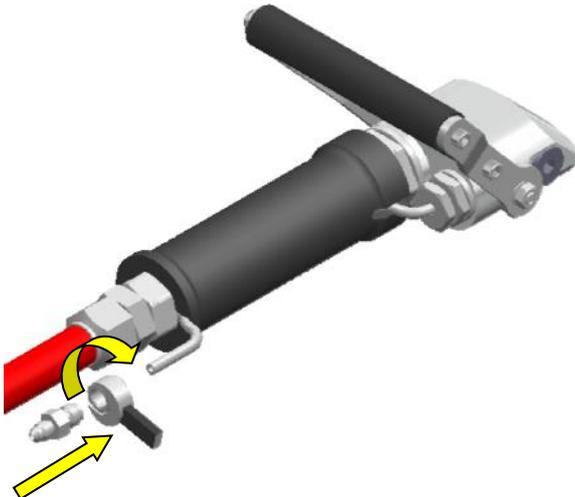


Recommend
Torque: 70 Nm

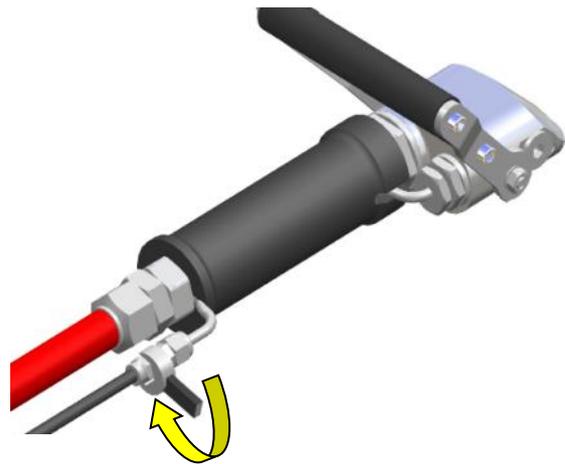
2. Connect fill hose as per manufacturers instructions.



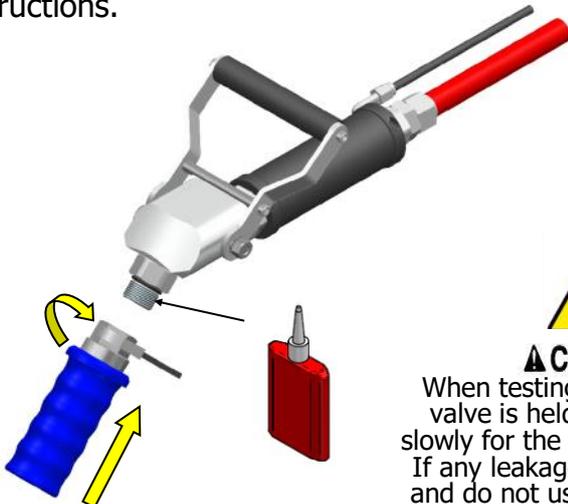
3. Attach vent fitting and tighten to manufacturers instructions.



4. Tighten vent fitting and hose to the manufacturers instructions.



5. Attach nozzle as per manufacturers instructions.

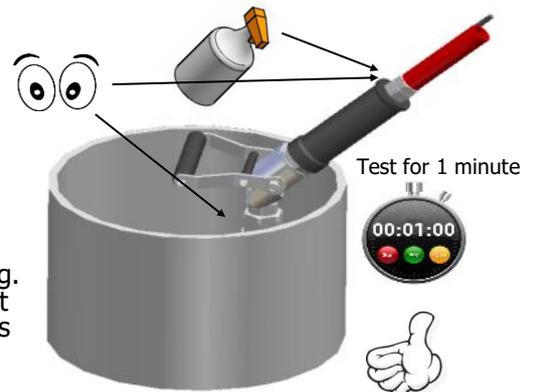


6. Test for leaks before use, place fill valve and nozzle in bucket of water with valve open and look for bubbles. Use snoop or soapy water for unsubmerged connections. Wait 24h before leak testing to allow Loctite to dry.

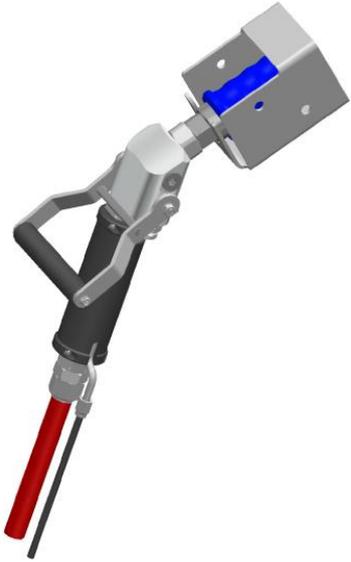


CAUTION

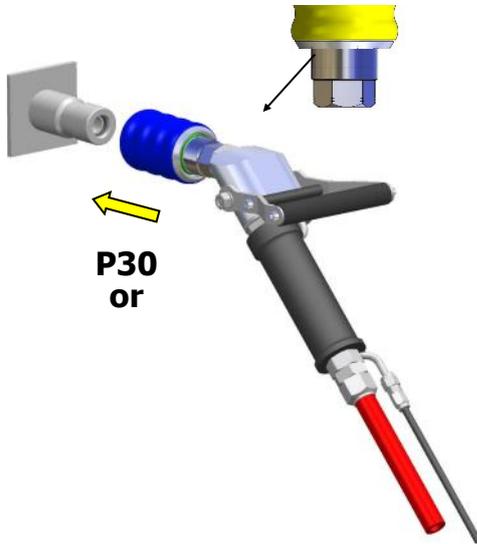
When testing the valve, ensure the valve is held securely and opened slowly for the first time after servicing. If any leakage occurs then stop test and do not use nozzle. Contact Oasis for help.



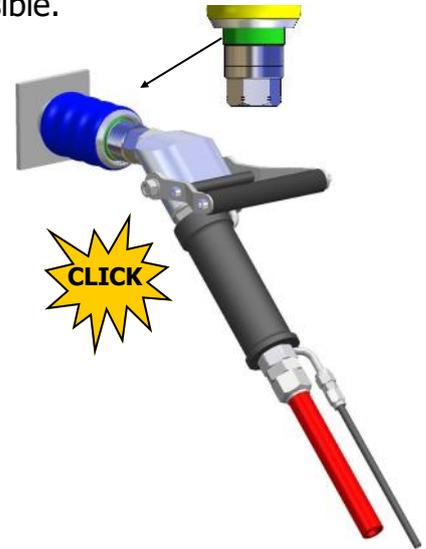
1. Pick up fill valve.



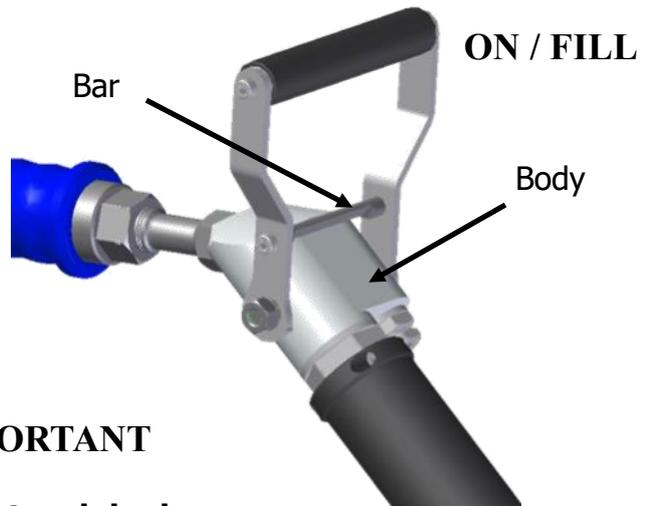
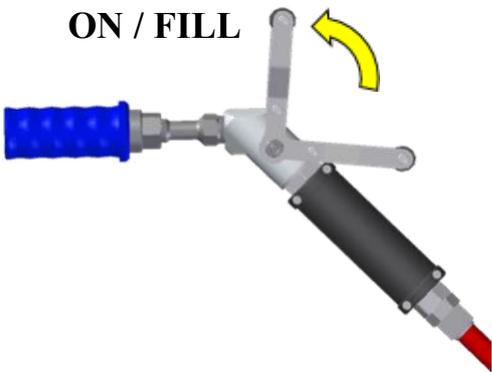
2. Push onto receptacle.



3. The green indication sleeve is visible.

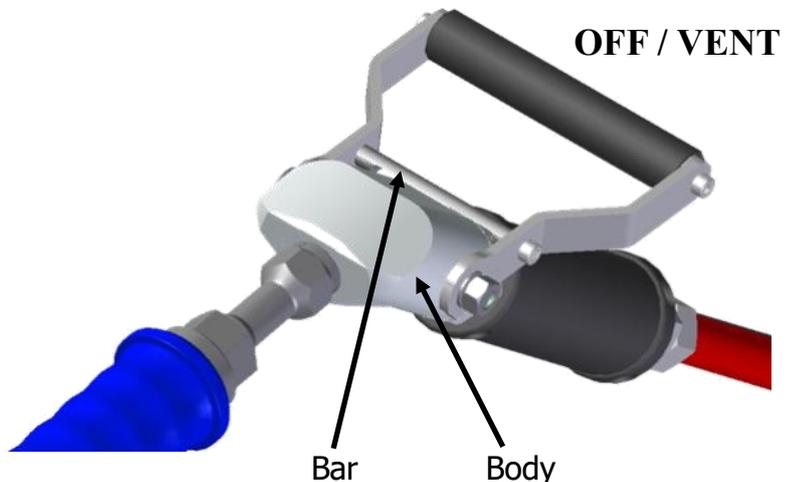
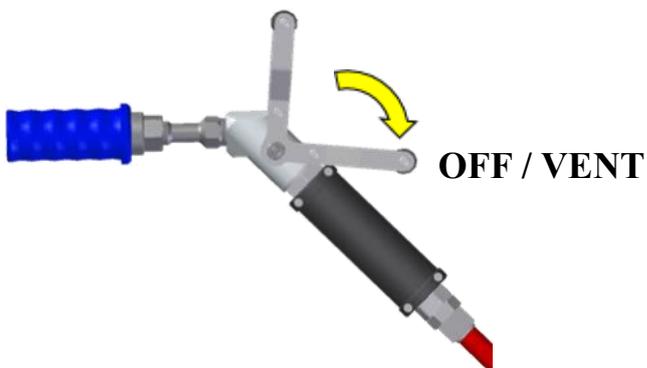


4. Lift the lever completely up.

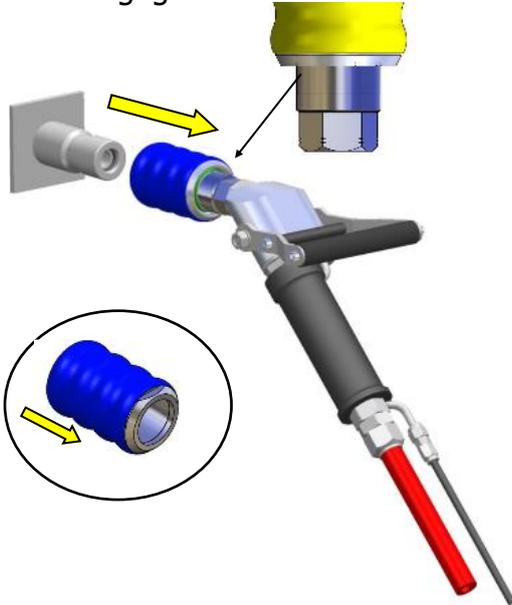


! IMPORTANT
Bar must touch body

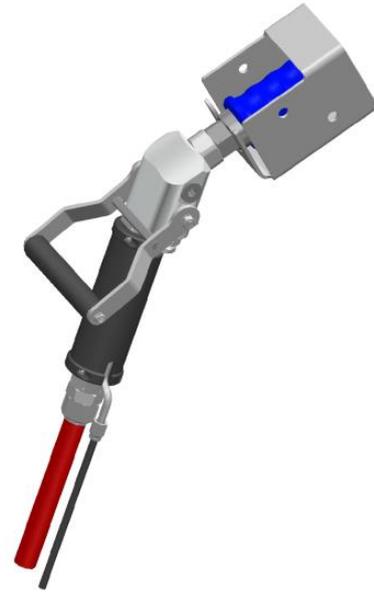
5. When filling is complete, shut off the valve. Pull the lever completely down.



6. Pull nozzle sleeve back to disengage.



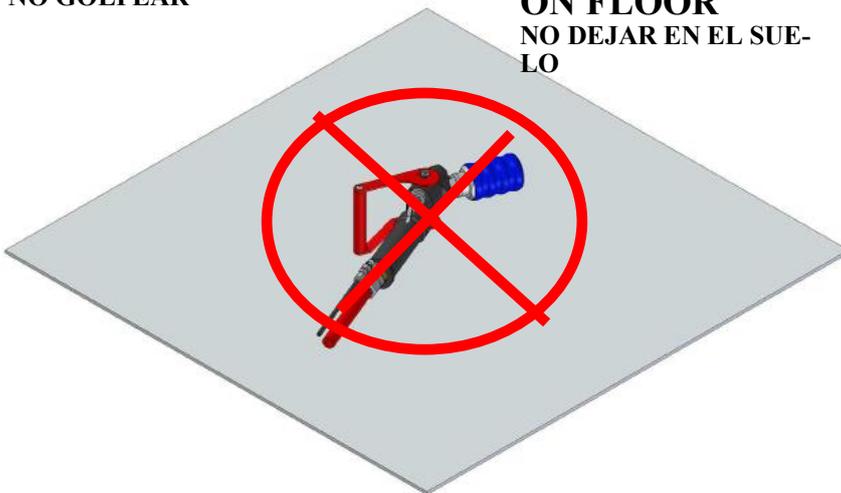
7. Hang up fill valve.



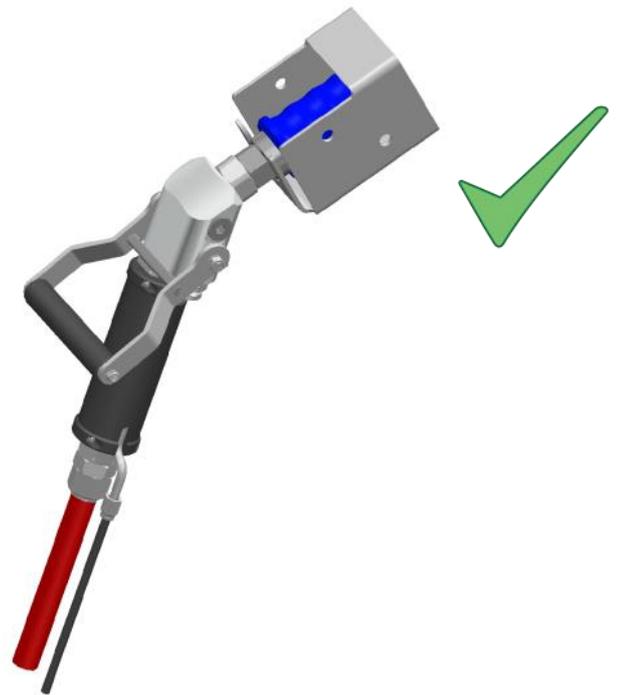
IMPORTANT

DO NOT DROP
NO GOLPEAR

**DO NOT LEAVE
ON FLOOR**
NO DEJAR EN EL SUE-
LO



ALWAYS PUT BACK IN HOLDER
COLGAR SIEMPRE DESPUES DE UTILIZAR

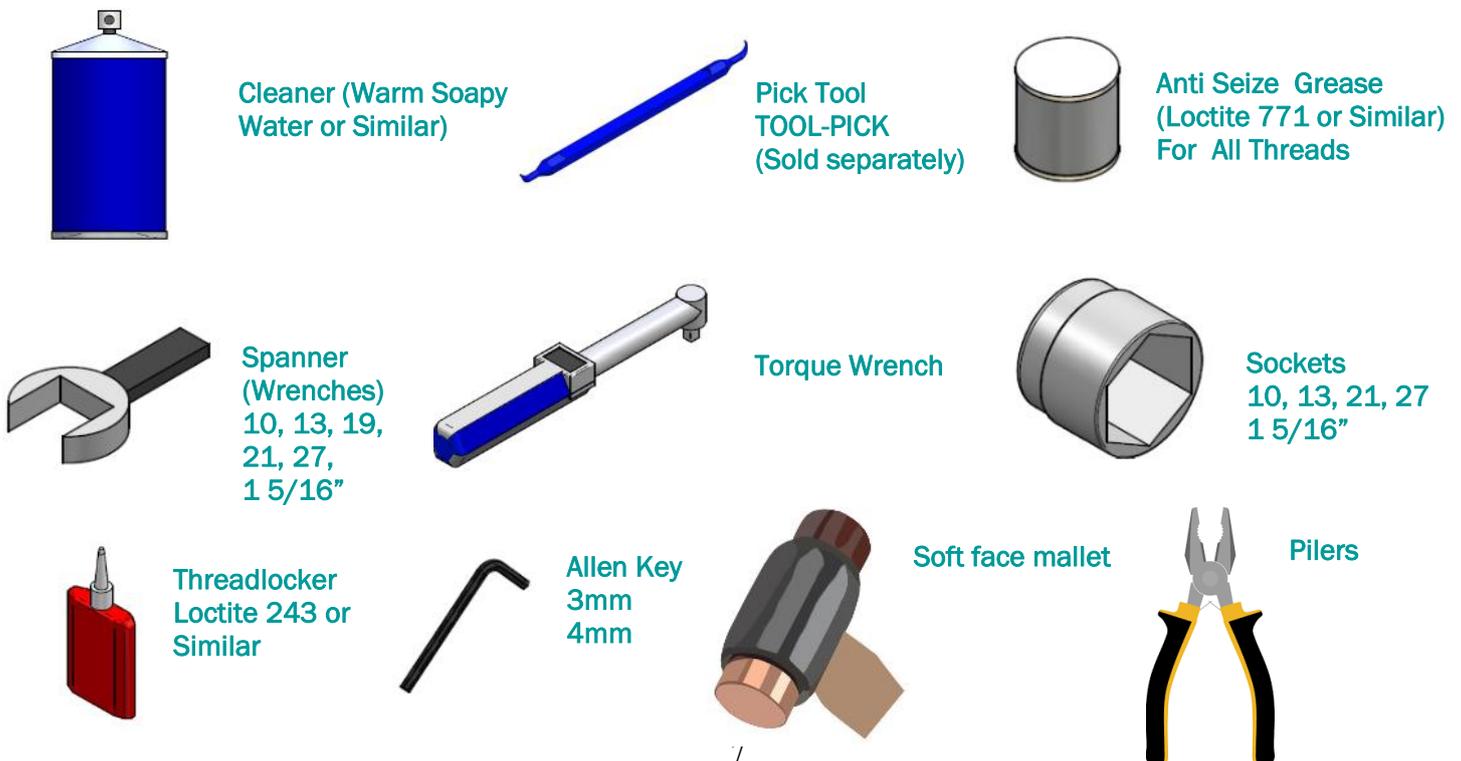


Service Kit Parts

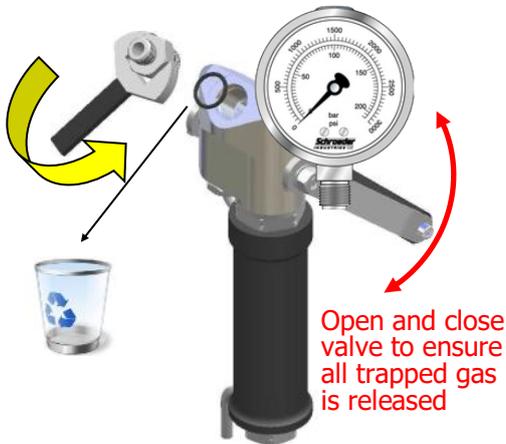


The Complete Oasis Seal Kit must be used

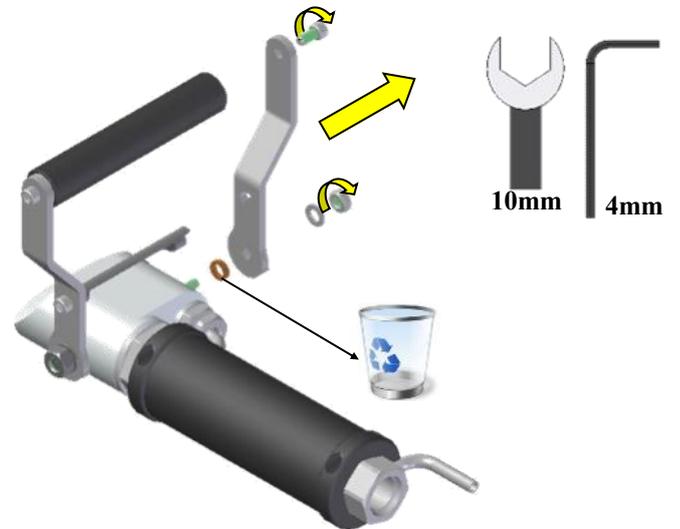
Tools Required



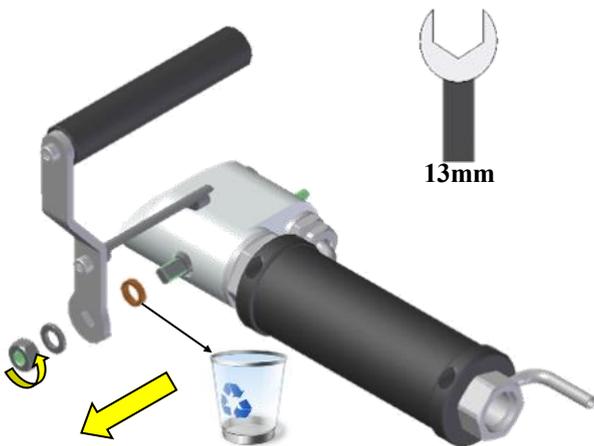
1. Remove inlet connection



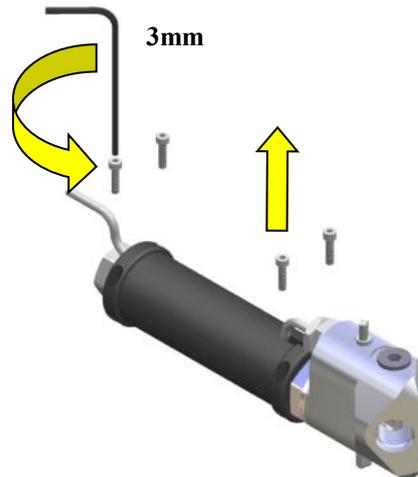
2. Remove vent-side screw, nut & handle.



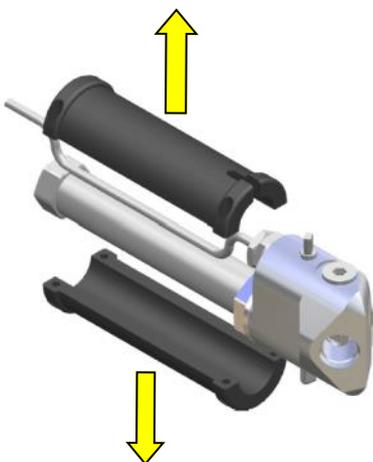
3. Remove fill-side nut & handle assembly.



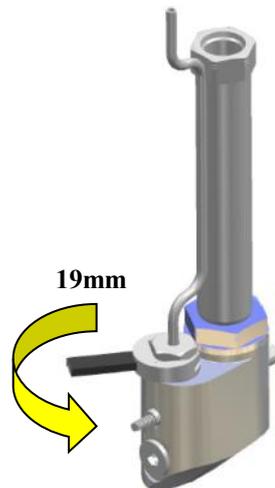
4. Remove sleeve screws.



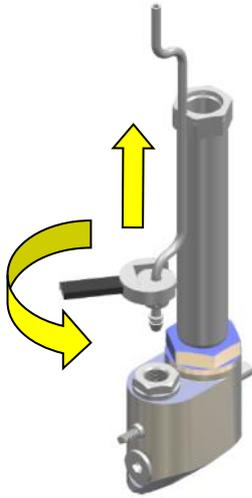
5. Remove sleeve.



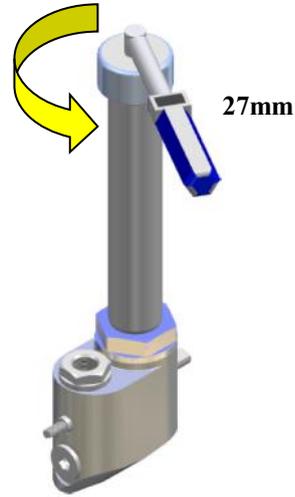
6. Unscrew vent tube.



7. Remove vent tube



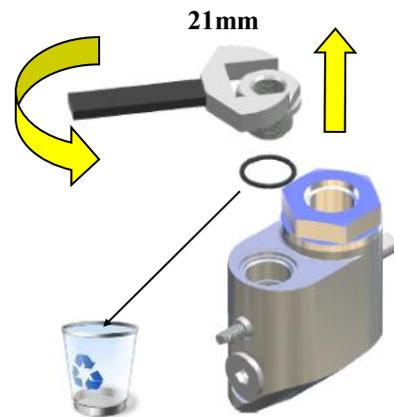
8. Remove handle.



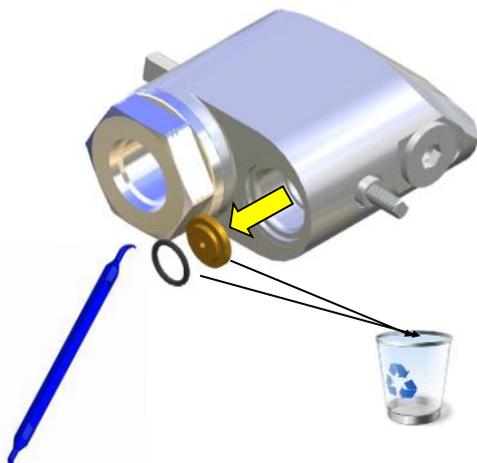
9. Discard O-rings.



10. Discard O-ring.



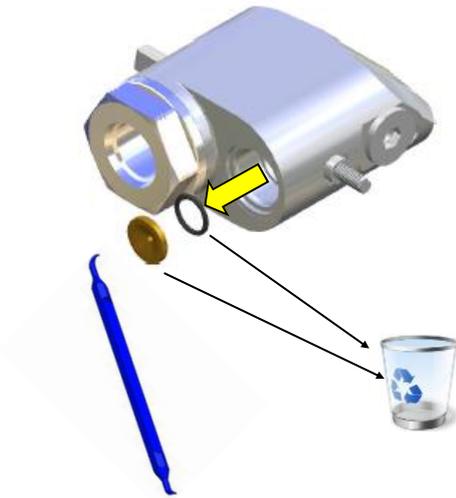
11. Discard seat.



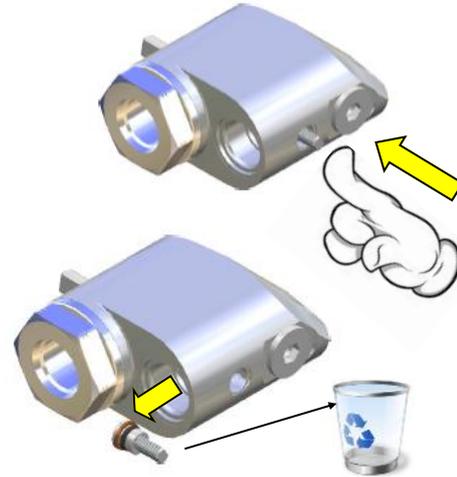
12. Discard ball.



13. Discard seat.



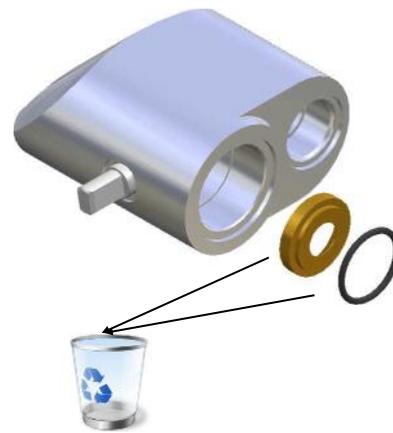
14. Discard stem.



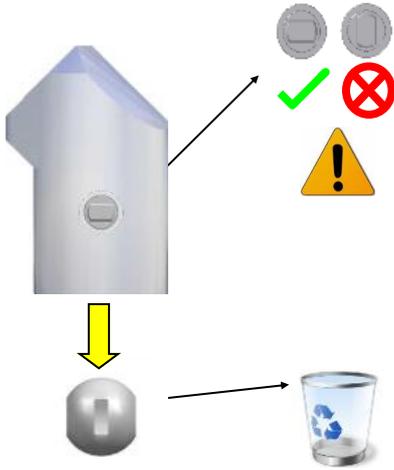
15. Discard O-ring.



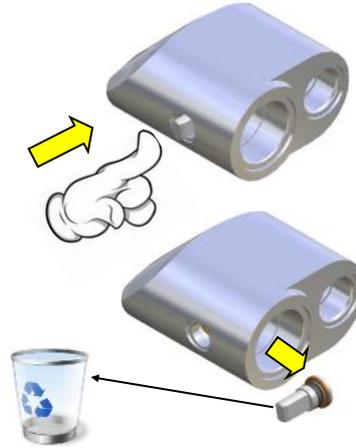
16. Discard seat.



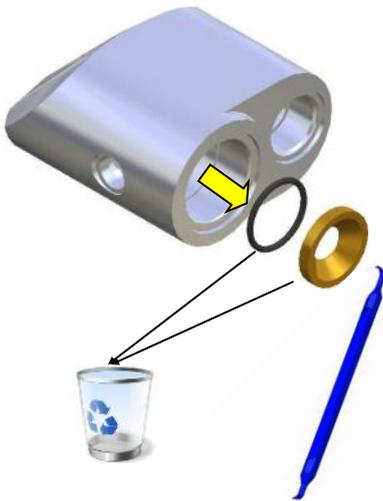
17. Discard ball.



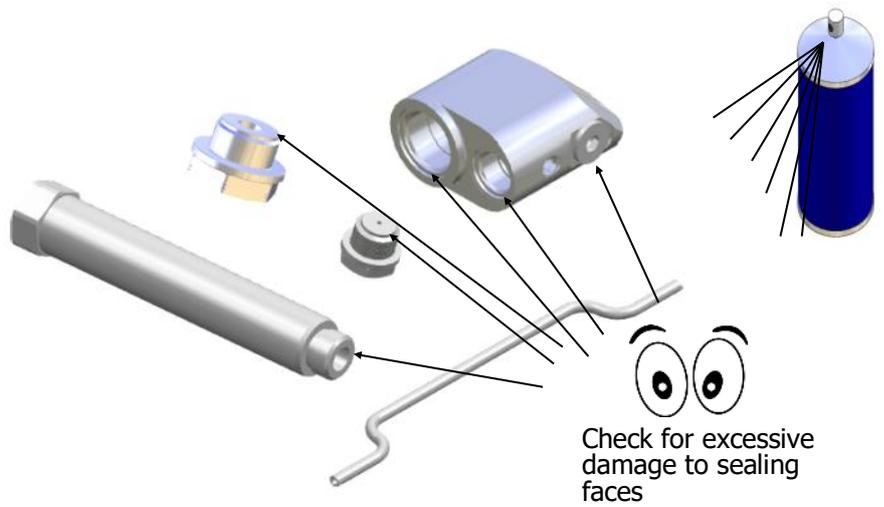
18. Discard stem.



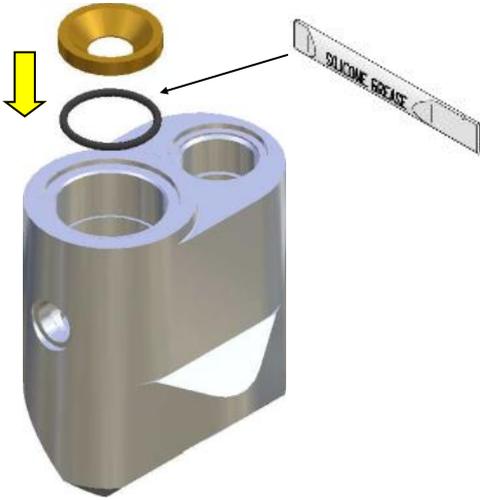
19. Discard seat.



20. Clean components and inspect for damage.



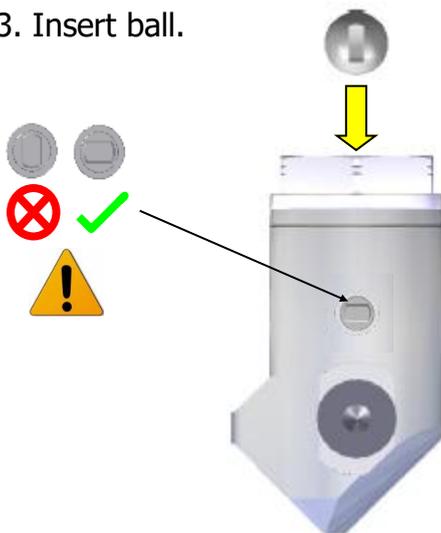
1. Insert O-ring and seat.



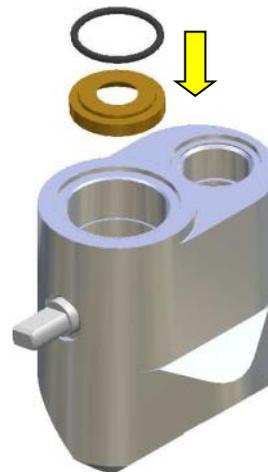
2. Insert stem.



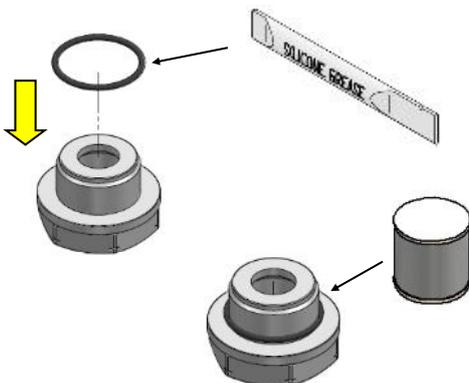
3. Insert ball.



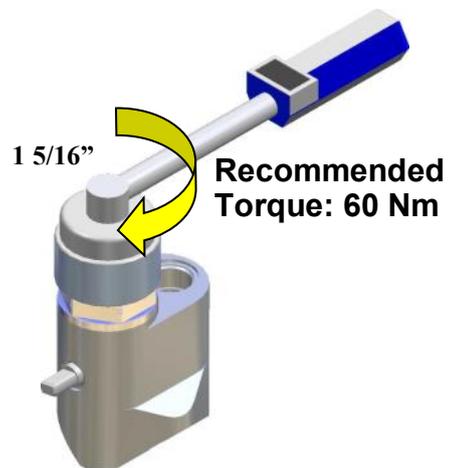
4. Insert Seat and O-ring.



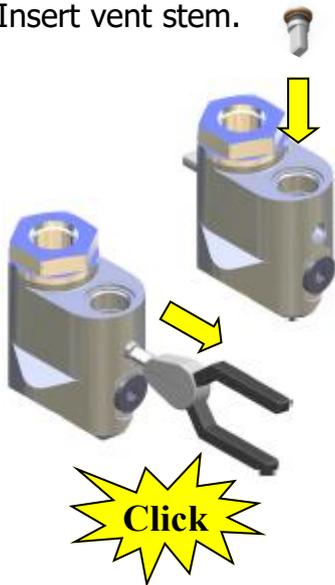
5. Place greased o-ring on end cap and anti-seize on threads.



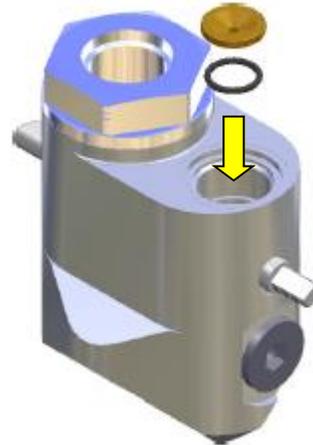
6. Torque end cap to 60Nm.



7. Insert vent stem.



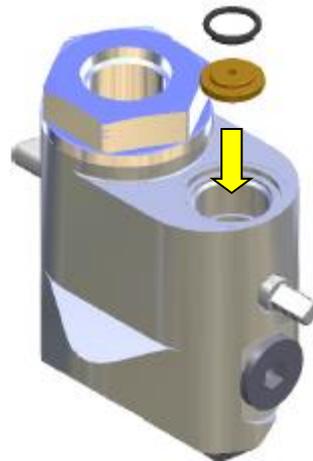
8. Insert O-ring and seat.



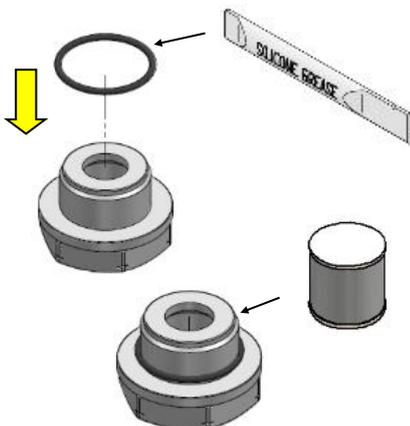
9. Insert vent ball.



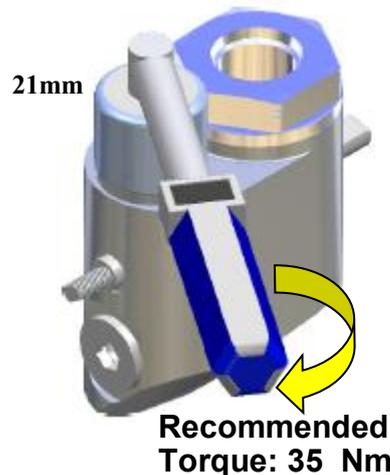
10. Insert seat and O-ring.



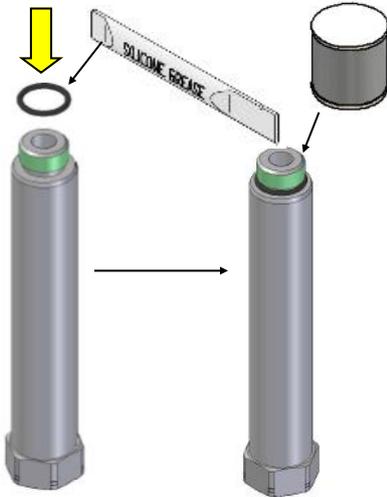
11. Place greased o-ring on end cap and anti-seize on threads.



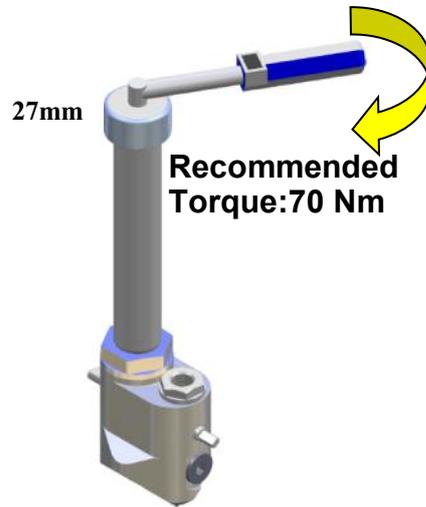
12. Torque vent end cap to 35Nm.



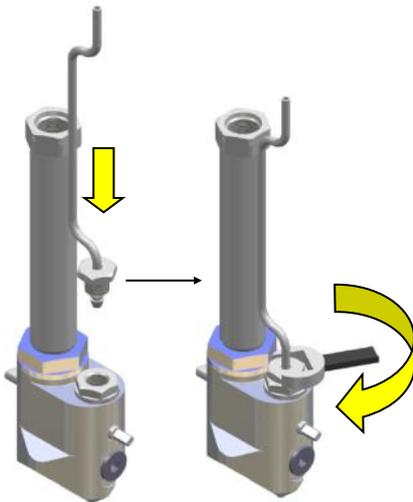
13. Insert greased o-ring on handle and Apply anti-seize to thread.



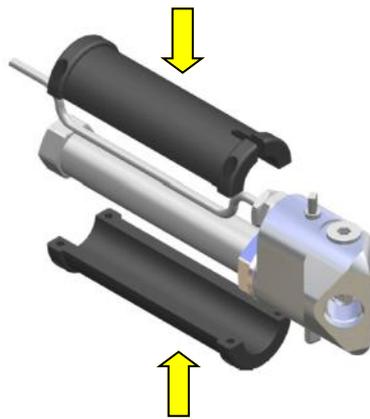
14. Torque handle to 70 Nm.



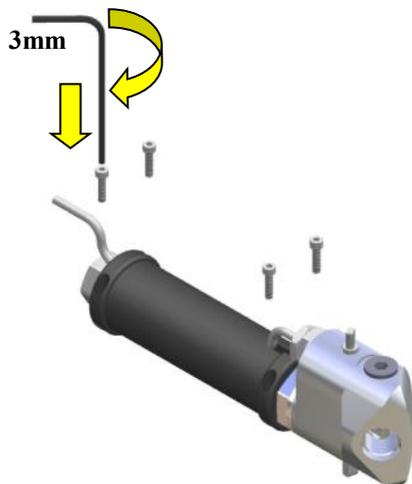
15. Attach vent



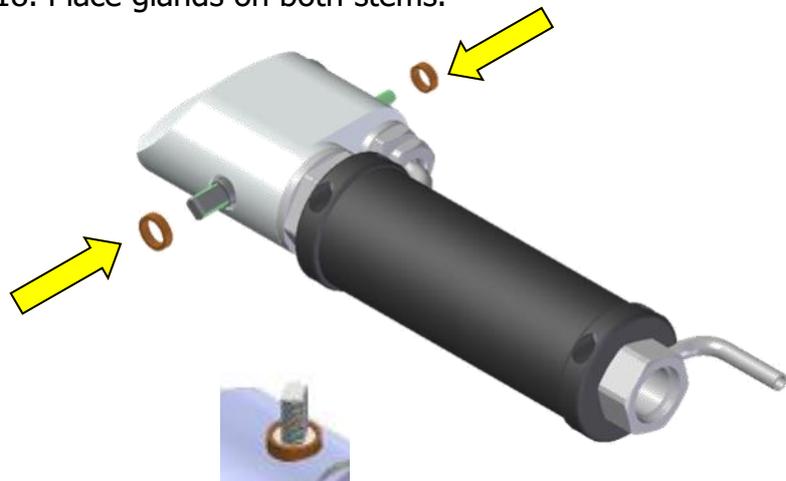
16. Place sleeve around handle with vent slot to vent.



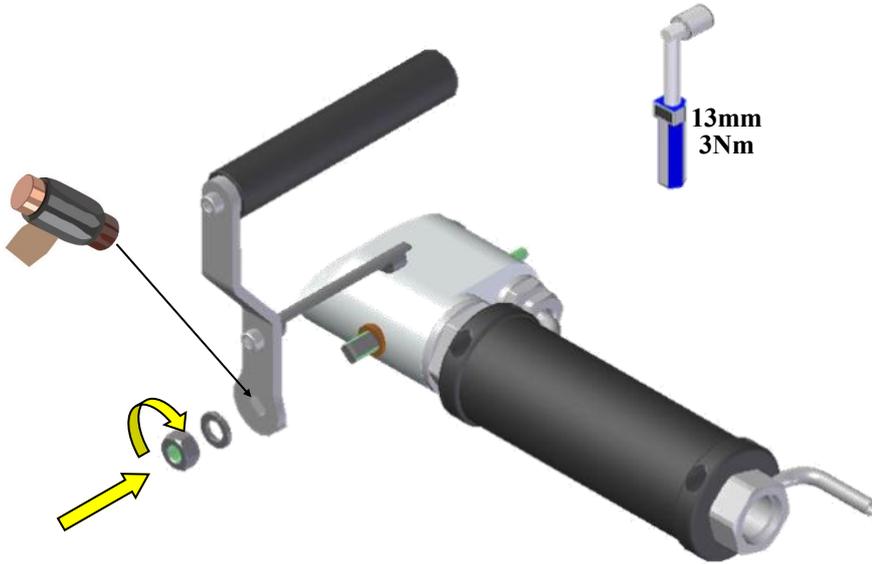
17. Insert screws and tighten.



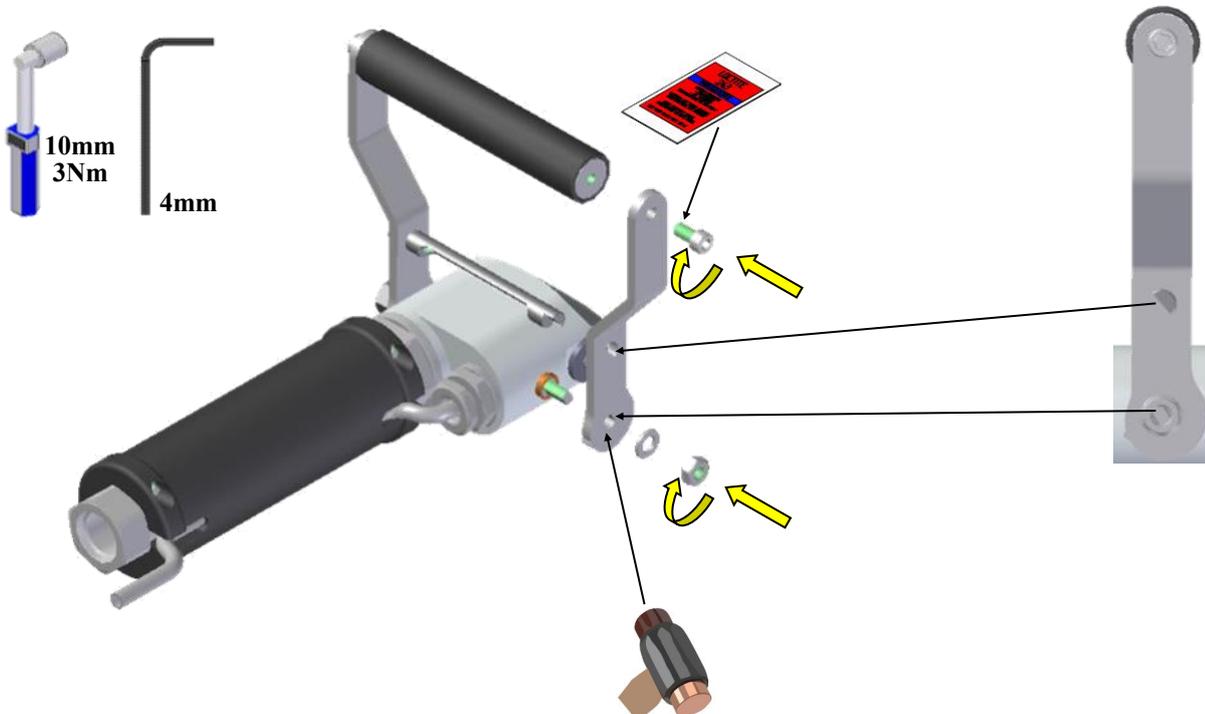
18. Place glands on both stems.



19. Align, place & tighten fill-side handle assembly, washer & nut. Gentle tapping may be required.



20. Align, place & tighten vent-side handle, screw, washer & nut. Gentle tapping may be required.



21. Servicing complete, install new inlet and outlet O-rings on fittings and re-install valve as per instructions on page 3.

