

HC400 Series High Pressure Quick Release Coupler Instruction Manual

AWARNING

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.

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Safety

<u>Warning!</u>

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.

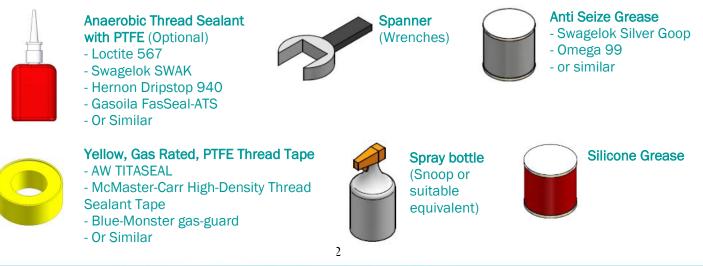
To help with coupling in cold conditions



Interflon Fin Super (Aerosol) or a similar product

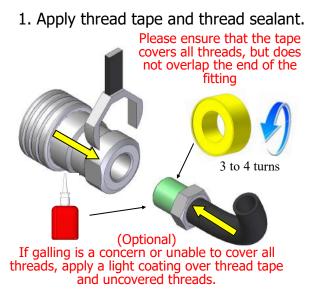
If coupler is hard to uncouple due to cold temperature icing, spray both male & female coupling faces with Interflon Fin Super (aerosol) or a similar product to help with ease of uncoupling in cold conditions.

Tools Required



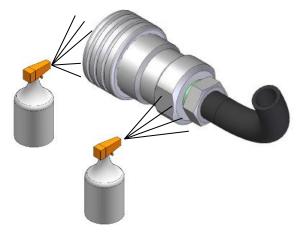
MEMBER OF THE Installation Instructions-NPT

Setting The Standard

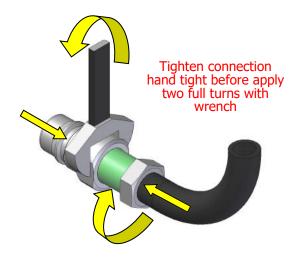


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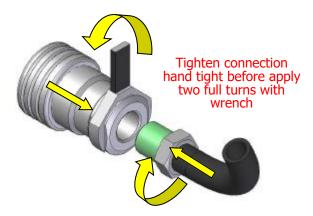
3. Female install complete, check for leaks on first use with snoop or soapy water.



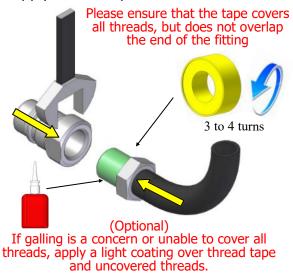
5. Join and tighten connection.



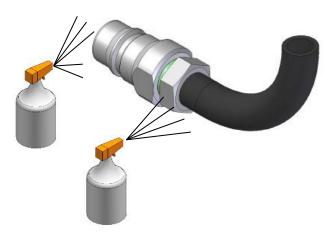
2. Join and tighten the connection.



4. Apply thread tape and thread sealant.



6. Male install complete, check for leaks on first use with snoop or soapy water.

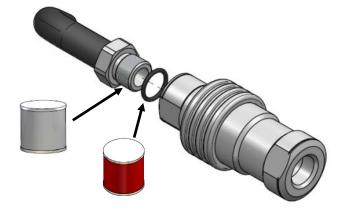


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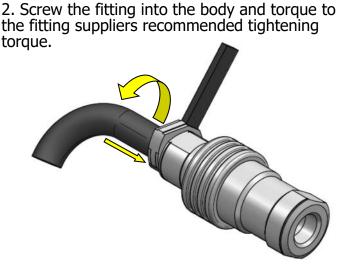


1. Apply anti seize to thread and Silicone grease to the O-ring. Install the O-ring on the fitting if not pre-installed.

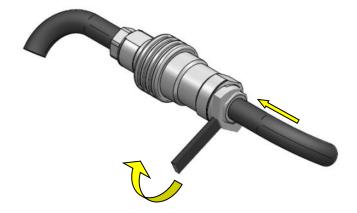
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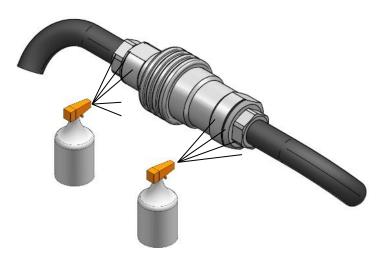
3. Apply anti seize to thread and Silicone grease to the O-ring. Install the O-ring on the fitting if not pre-installed.



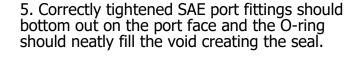
4. Screw the fitting into the body and torque to the fitting suppliers recommended tightening torque.

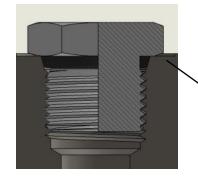


6. Installation complete, check for leaks on first use with snoop or soapy water.

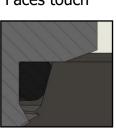


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MEMBER OF THE Operation Instructions

Setting The Standard

Connecting Coupler

1. Pull back sleeve.

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2. Push in male fitting.



3. Sleeve should click forward into place.







If coupler is hard to uncouple due to cold temperature icing, spray both male & female coupling faces with Interflon Fin Super (aerosol) or a similar product to help with ease of uncoupling in cold conditions.



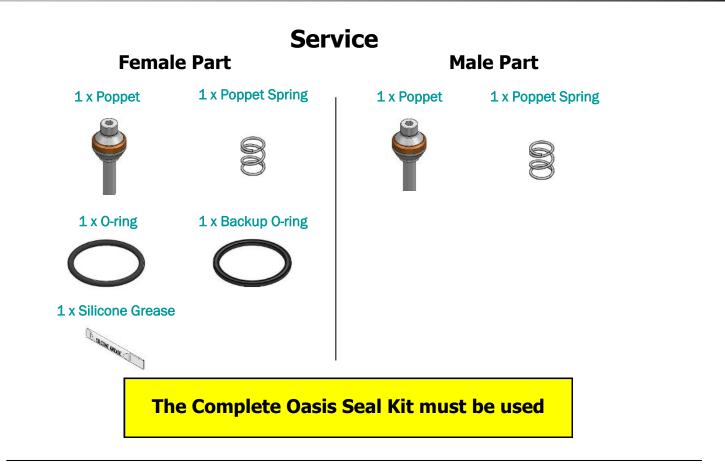
2. Pull out male fitting.



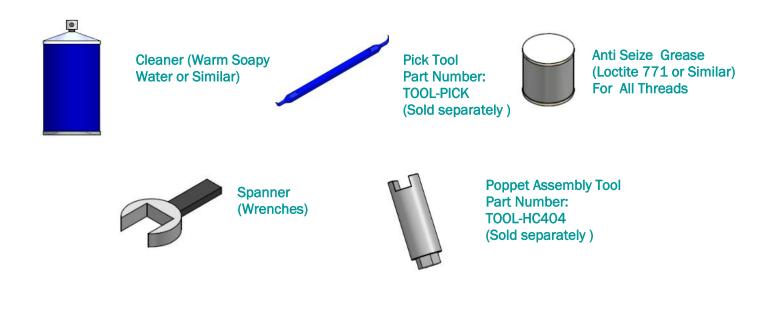
3. The sleeve should return forward.







Tools Required



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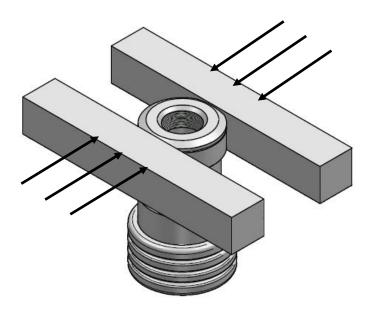


MEMBER OF THE Servicing - Disassembly

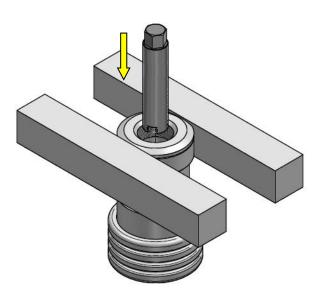
Setting The Standard

1. Clamp female coupler in vice.

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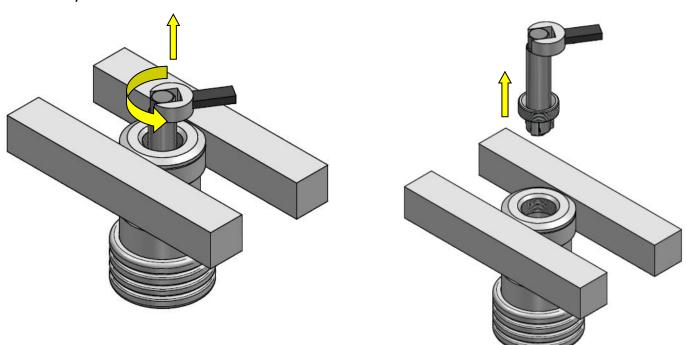


2. Insert the poppet assembly tool.



3. Remove the poppet retainer using the assembly tool.

4. Remove and keep the poppet retainer.



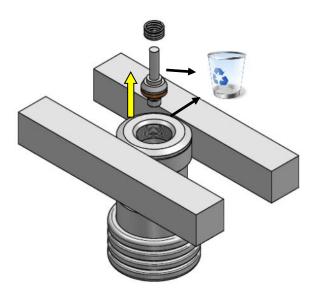
MEMBER OF THE ELAFLEX GROUP

Servicing - Disassembly

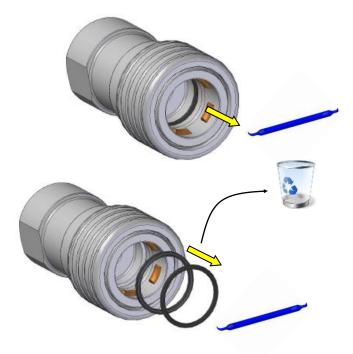
Setting The Standard

5. Discard the poppet and spring.

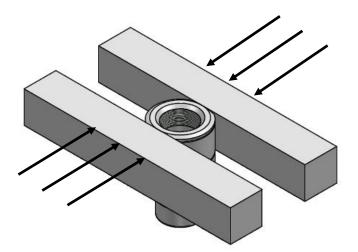
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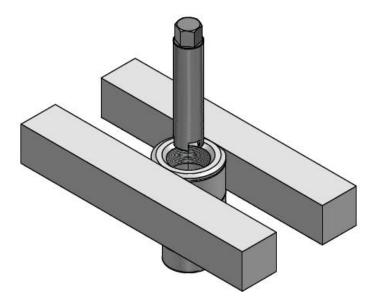


6. Pick out the O-ring and Backup.



- 7. Clamp the male coupler in the vice.
- 8. Insert the Poppet Assembly Tool.

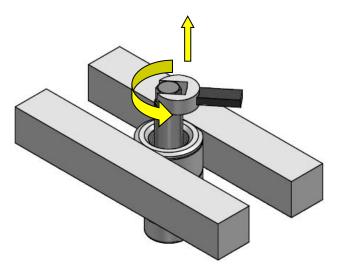




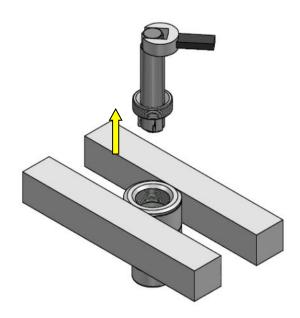


9. Loosen the poppet retainer using the assembly tool.

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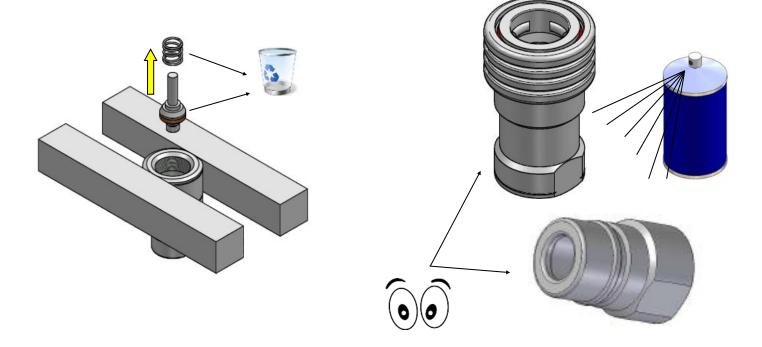


10. Remove and keep the poppet retainer.



11. Discard the poppet and spring.

12. Clean all of the components and visually inspect parts for damage.

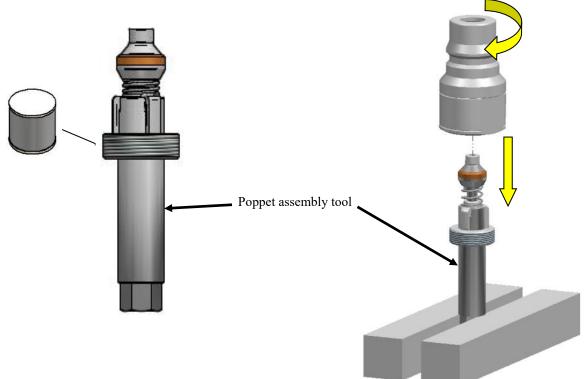




1. Apply anti-seize to the male retainer thread.

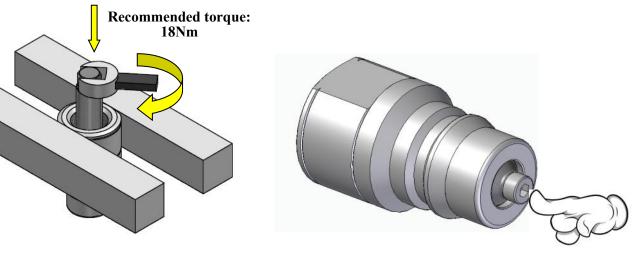
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2. Screw in the male body onto the poppet assembly. Be careful not to cross thread the retainer.



3. Tighten the male poppet retainer. Torque to 18NM

4. Check the poppet by pushing the poppet with your finger and ensure it returns when you release it.



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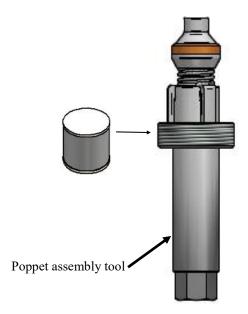
MEMBER OF THE Servicing - Assembly

Setting The Standard

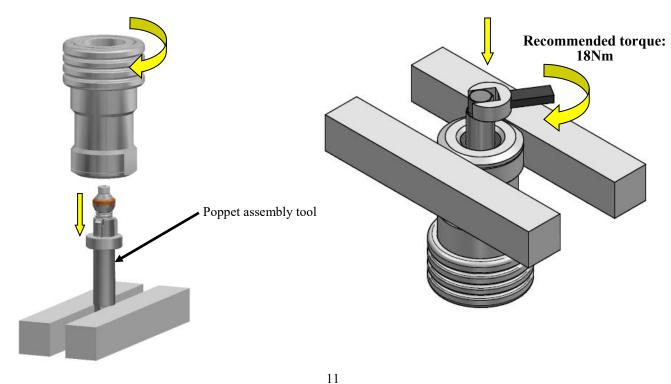
5. Male coupler servicing complete.

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6. Apply anti-seize to the female poppet retainer thread.



7. Screw the female body onto the poppet assembly. Be careful not to cross thread the retainer. 8 Tighten the female poppet retainer.

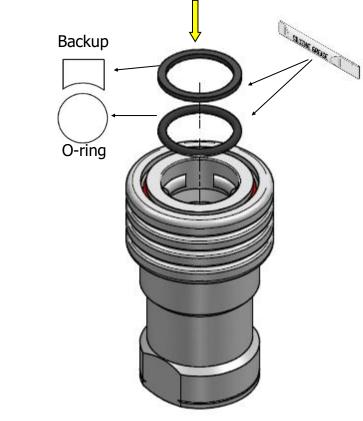




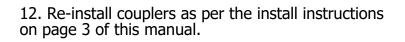
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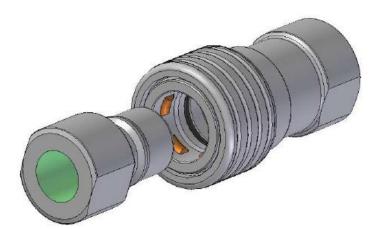
10. Insert the O-ring and back-up.



11. Female coupler servicing complete.







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