



BEL Puller

For 8" Reverse Osmosis pressure vessels heads installation

General

This tool designated to extract BEL End-Cap for 8" Side-Port reverse osmosis pressure vessels head. Before disassemble any of the vessels parts ensure internal pressure has been unloaded.

Note:

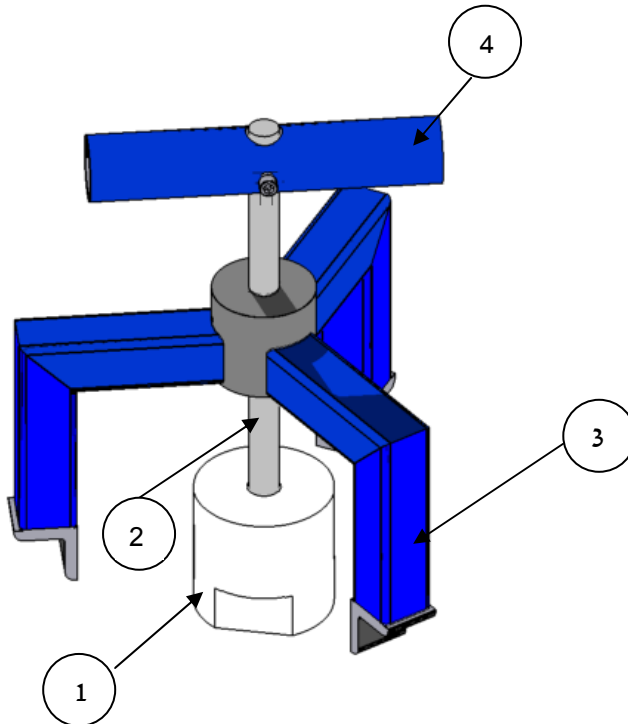
It is highly recommended to replace all seals each time the head is reassembled.
A seal replacement kit is available from **BEL's** Customer Service.
Email: composite@bel-g.com Web Site: www.belvessels.com

(Part number: 069-080-0101+069-080-1000 (for 1"NPT adapter) or
+ 069-080-1250(for 1.25" NPT adapter) or
+ 069-080-1500(for 1.5"NPT adapter) or
+ 069-080-1510(for 1.5" Victaulic adapter).

Kit assembly

Tool must be assembled as shown on illustration 1.

Illustration 1 –Puller assembly



(1) NPT/ Victaulic Puller cap, (2) Threaded Rod
(3) NPT/ Victaulic Puller (4) Handle



NPT and Victaulic Head extraction

NPT End-Cap extraction actions:

1. Tight the Puller's legs to the vessel's wall as shown in picture to support the Puller to the vessel. (Figure 3-A&B before and after).
2. Screw in fully the NPT cap (clockwise) to the NPT End-Cap while supporting the back side of the Puller (Figure 3B).

Attention!

To avoid property damage, do not bend the tool while connected to the EndCap.

3. Screw out the Puller's handle (counterclockwise) until the End-cap is extracted, after that pull out the Puller with the End-cap (Figure 3C).

Warning!!

To avoid personal injury, be careful not to drop the tool while extracting.

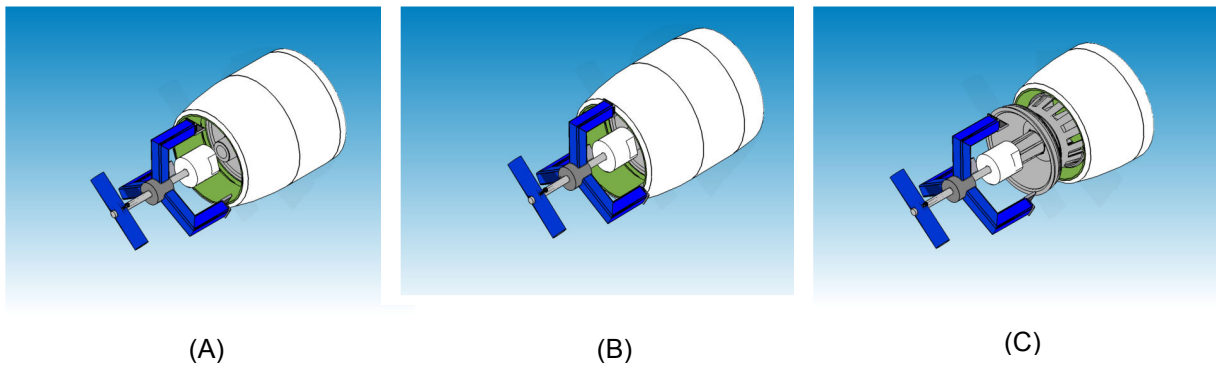


Figure 3 – NPT head removal steps



Victaulic End-cap extraction

1. Tight the Puller's legs to the vessel's wall as shown in picture to support the Puller to the vessel. (Figure 4-A&B before and after).
2. Place the *Victaulic puller cap* carefully inside the End-Cap permeate port (rotate clockwise) and connect it to the End-cap Victaulic port (Figure 4-C).

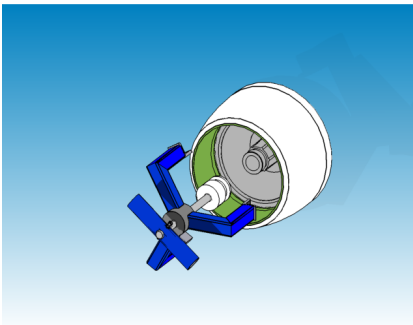
Attention!

To avoid property damage, do not bend the tool inside the EndCap permeate port.

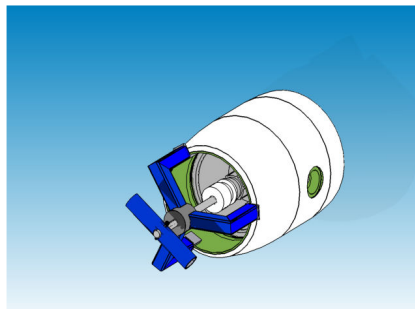
3. Screw out the Puller's handle (counterclockwise) until the End-cap is extracted, after that pull out the Puller with the End-cap (Figure 4-D).

Warning!!

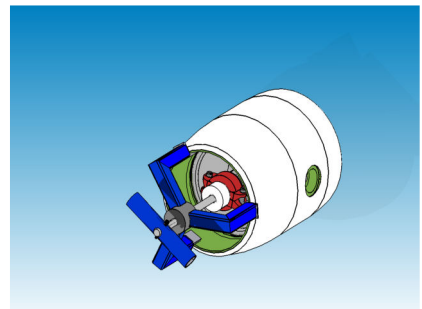
To avoid personal injury, be careful not to drop the tool while extracting.



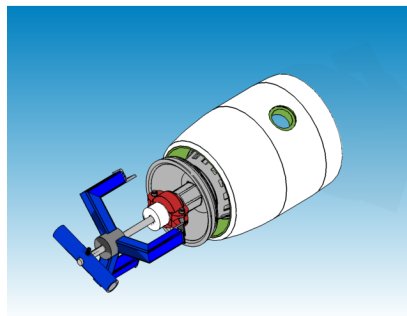
(A)



(B)



(C)



(D)

Figure 4 – Victaulic head removal steps



BEL Pusher

For 8" Reverse Osmosis pressure vessels heads installation

General

This tool designated to install BEL EndCap for 8" Side-Port reverse osmosis pressure vessels head.

Note:

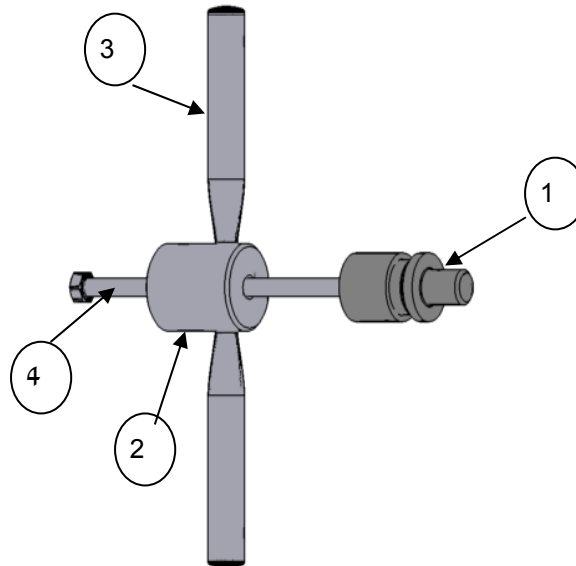
It is highly recommended to replace all seals each time the head is reassembled.
A seal replacement kit is available from **BEL's** Customer Service.
Email: composite@bel-g.com Web Site: www.belvessels.com

(Part number: 069-080-0100)

Kit assembly

Tool must be assembled as shown on illustration 1. Ensure tool's handle is located far from the NPT/ Victaulic pusher (part 1).

Illustration 1 – Pusher-Puller assembly





(1) NPT/ Victaulic pusher, (2) Sliding hammer (3) Handles (4) Rod

Head installation

1. Clean the vessel bell internal area with dry rag.
2. Install the Hydraulic O-Ring into the EndCap seal groove.
3. Apply full and rich layer of Glycerin or other lubricant on the O-Ring and on the bell internal groove.
4. Place the *Victaulic pusher* carefully inside EndCap permeate port (illustration 2-A).

Attention!

To avoid property damage, do not bend the tool inside the EndCap permeate port.

5. Push the *sliding hammer* quickly towards the *NPT/ Victaulic pusher* until it strikes the EndCap to it place (illustration 2-B, D).

Warning!!

To avoid personal injury, always grasp the Pusher-Puller handles with both hands. Ensure tool assembled properly as seen in illustration 1.

Illustration 2 – NPT/ Victaulic head installation

