

Headlifts and Closures

DESCRIPTION:

We have designed different headlifts to suit specific requirements. Depending on the size and pressures of a vessel there are optional and standard headlifts available for many of our vessel types.

Right: Pogo headlift on a 24" diameter filter vessel



Right: Hand Wheel Davit headlift on a 36" diameter filter vessel



Right: Cantilever Hinged Lid headlift on a 24"diameter filter vessel



Left: Handle Davit headlift on a FW micronic filter vessel



Left: Hydraulic Jack headlift on a high pressure FW micronic filter



HEADLIFTS:

Pogo:

- Spring assisted operation
- Lid swings sideways for change outs to occur
- For use on vertical vessels up to 30" OD
- Adjustable

Handle or Hand Wheel Davit:

- Rotation of handle or hand wheel raises lid
- Davit supports lid as it swings to the side for change outs to occur
- Handle used for vessels up to 18"
- Hand wheel used for vessels 30" and over

Hydraulic Jack:

- Lever-actuated hydraulic jack
- Lid swings sideways for change outs to occur
- Vertical vessels over 30" OD

Cantilever Hinged Lid (Patent Pending):

- Class 1 lever for maximum lift
- For use on vertical vessels up to 48" OD
- All positions vertically from 0 to 90 degrees
- Easily adjusted in the field
- Removable for repairs or parts replacement
- Compliments Easy Access Closure

Note: Horizontal vessels and vertical vessels 10" OD and under have hinged lids without a headlift



DESCRIPTION:

We have developed standard and optional closures appropriate for the various needs of diverse industries With process conditions in mind; the closures have been designed to withstand higher temperatures and pressures, be compatible for a range of diameters and save time when opening and closing.



Left: Thru-bolt closure on a high pressure basket strainer.



Above: Swing bolt closure used on a duplexed 30" filter vessels





CLOSURES:

Process conditions and chemical compatibility will determine whether a Thrubolt or Swing bolt closure will be appropriate for each application:

Thru-bolt:

- Suited for applications with higher temperatures or chemical applications which require a flat gasket for sealing
- Suitable for any vessel diameter or pressure; vertical or horizontal configuration
- Not as efficient as swing bolt closures for applications where frequent change outs are necessary

Swing Bolt:

- Suited for applications where an o-ring is acceptable for sealing
- Suitable for any vessel diameter or pressure; vertical or horizontal configuration
- Faster open and close procedure than thru-bolts

Easy Access Closure (Patent Pending):

- Open or Close procedure can be performed in under 1 minute
- Available for most vertical vessel types
- Suitable for vessels up to and including 48" OD and/or 300 psi

(see following section on the Easy Access Closure for more details)