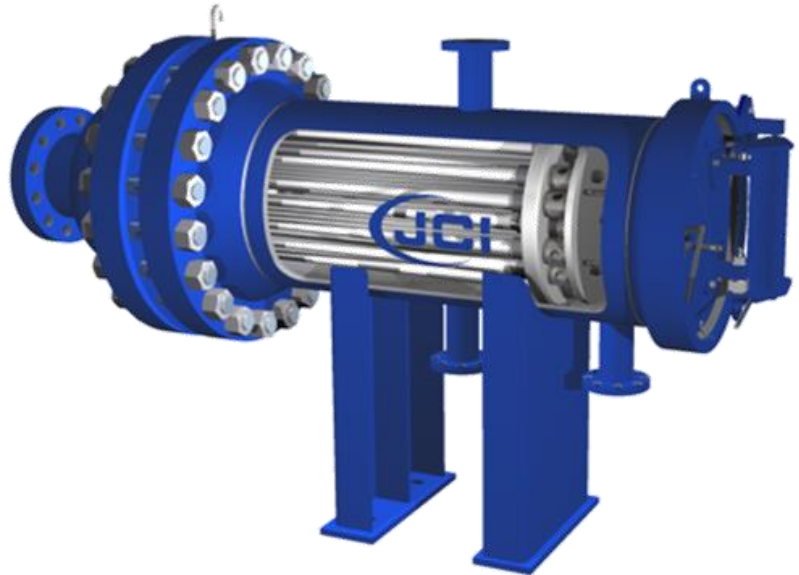


LIQUID-LIQUID HYDROCYCLONE

Liquid-liquid hydrocyclones offer the advantage of being the most compact, high-efficiency separators available, while also being simple, predictable, without moving components, and unaffected by general vessel motion. Using tangential inlets to convert linear motion into centrifugal acceleration thousands of times stronger than the gravity most separators rely upon, separating the lighter “overflow” from the heavier “underflow”.

The ultra-compact nature of hydrocyclones makes them a premier separator for use on floating and offshore platforms, and is most commonly used in condensate and produced water cleanup, but is also incredibly effective at de-bottlenecking your process pinch points. Utilizing intelligent design, vessel turndown of 5:1 or 10:1 can be achieved, making the LLHC a practical retrofit for existing piping systems with little to no hot-work.

While JCI Hydrocyclones are designed for liquid-liquid separations, many working fluids contain abrasive solids. In order to address this, JCI hydrocyclones can be provided in a multitude of materials, but also come with Duplex stainless steel as standard materials of construction.



ADVANTAGES:

- High Efficiency Separation (up to 99% removal of free oils from water)
- High effluent quality (as low as 10 ppm)
- Compact design resulting in a small footprint
- Very low maintenance
- Excellent resistance to erosion

JCI Head Office and Manufacturing Facility:

2929 – 15 St. N.E.
Calgary, AB T2E 7L8
(403) 313-1559
jci-group.com