

Harp Style

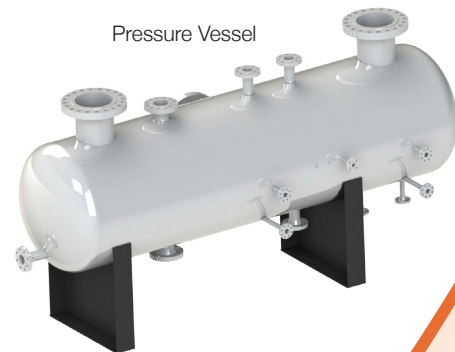
WeldFit Energy Group

specializes in the design, engineering, manufacturing and quality testing of both harp and pressure vessel style slug catchers that can be utilized to perform liquid recovery and liquid management functions during two-phase operations and/or pigging operations. The slug catcher vessel is designed with sufficient buffer volume to store the largest slugs expected from the upstream system. The buffered liquids can be drained to the processing equipment at a much slower rate to prevent overloading the system.

Extruded outlets on pigging systems and liquid recovery systems eliminate: fatigue cracking from cyclic and thermal loads; the need for reinforcement pads on the branched outlets; the installation of forged tee fittings; and additional girth welds during field installation. Slug catchers can be used continuously or on-demand. A slug catcher permanently connected to the pipeline will buffer all production, including the slugs, before it is sent to the gas and liquid handling facilities. Alternatively, the slug catcher can be bypassed in normal operation and be brought online when a slug is expected, usually during pigging operations. An advantage of this set-up is that inspection and maintenance on the slug catcher can be done without interrupting the normal operation.

Key Features:

- Harp Style or Pressure Vessel Design
- On-site engineering design services
- Modular skidded systems that can be fabricated, shipped and assembled on-site
- Extruded outlets eliminate tees and reduces girth welds on the outlets during field installation
- Primer coated ready for customer desired paint system or painted in accordance to customer's paint specification
- Designed with the appropriate quantity and size of nozzles for vents, pressure gauges and drains
- Data Package provided for code compliance
- Hydrostatic pressure tested in accordance to the applicable codes
- Designed to applicable safety design factor
- Inspected and designed in accordance to the applicable pipeline codes (B31.8, B31.4, B31.3, Sec. VIII Div. 1)
- Sizes: Sized accordingly to operating pressure, flow rate and predicted slug size
- Pressure Rating: ANSI 150#, 300#, 600# & 900#
- Product: Liquid and Gas Service
- Product Temperature Range: -50° F to 150° F



Pressure Vessel