

Purchase requirements for pig trap closure sizes 24” and 46”

EAPC is interested in purchasing one pig trap closures for 46” diameter pig traps and 2 (two) pig trap closures for 24” diameter pig traps.

The closures should be manufactured of weldable carbon steel, and have a weld joint prepared for 46”, and 24” respectively pipes, fully depicted in the closure drawing.

The closures should be designed as parts of pressure vessels according to a recognized engineering standard, such as ASME VIII, or similar, to be welded to their nominal diameter pipes.

Maximum allowable working pressure for the closure at least 60 bars (880 psi),

Shell - ASME B31.4 / B31.8 / CSA Z662 CAT II with a 0.60 design factor or similar,

Head – ASME BPVC Section VII Division 1 or similar,

Design temperature between (minus) -46 Celsius (-50 F) to 121 Celsius (20 F)

NACE MR0175 compliant

Each closure to be equipped with a quick release mechanism to be opened or close in a single motion while the operator stands safely to the side by one operator. According to the size of the door the producer can add a side screw assist feature.

Door can be either internal or external with a hinge and a self-centering feature that relies not on the hinge position or calibration; upon closure the door should self-center the O-ring allowing a perfect seal.

Sealing should be achieved by means of an O-ring (easily replaceable after each opening) and be reliable.

The locking mechanism of the closure should contain a pressure indicating device (pressure warning lock) in accordance with UG-35 of ASME BPVC Section VII, Division 1, to alert the operator to the existence of internal pressure prior to opening the closure.

The offer will include a complete assembly design with each replaceable part completely defined, 10 spare O-rings and a list of recommended spare parts for a 20-year use.

The closures will be coated with an external corrosion resistant coating such as a dual epoxy resistant to marine environment (to be defined in the offer).