

**Berrys
Technologies Ltd**
141 Lichfield Rd
Aston
Birmingham
B6 5SP
United Kingdom
www.berrys.com

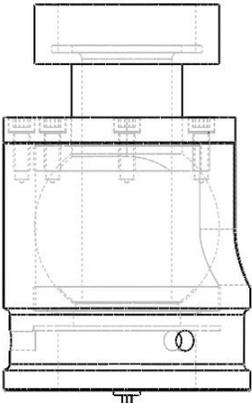
Berrys

eros

EASY RISER OSCILLATING SYSTEM

Technical specifications

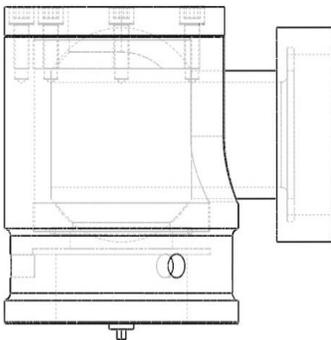
- Revolutionary and economically easy to install
- Bayonet type quick release PV valve
- Unique design- prevents low level discharge
- Temperature rated -40c+60 c
- Lightweight design. A-one man operation
- In line with “working at heights” legislation
- No seals are broken , no re-test required
- Can be used to pressure test vent lines
- Integral pressure relief valve



The EASY RISER is a system designed to eliminate working at heights. Bulk fuel storage tanks need to breath and vent at a high level, typically around the 4/5m height. Tank breather vents are fitted either with weather caps or pressure vacuum valves and in both cases these caps needs regular inspection and servicing to prevent blockages and ensure functionality.

The EASY RISER comprises of a unique swivel system that allows the operator to lower the vent to a ground level working height. The system has a bespoke designed quick release system that allows the engineer to make the disconnect between the weather cap, or pressure vacuum valve, and the vent tube without the need for tools.

The EASY RISER ensures that site operators and service engineers can carry out works in a safe and controlled manner in line with health and safety guidelines. The EASY RISER really does bring vent maintenance “down to earth”



EROS -Easy Riser maintenance guidelines

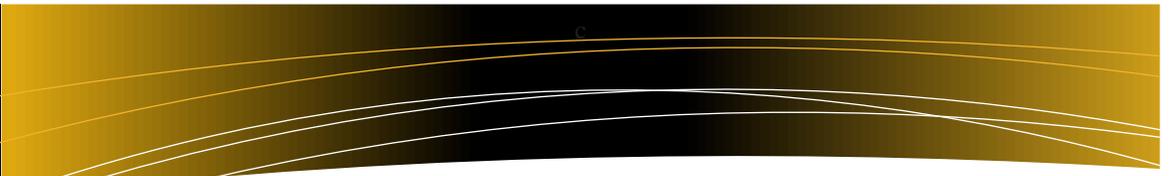
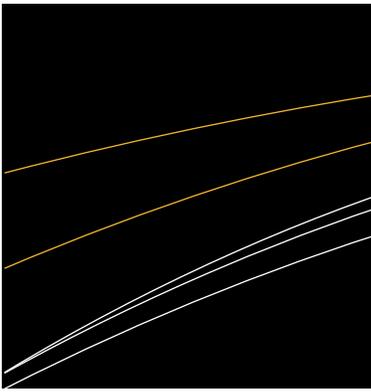
The EROS has been developed to be as maintenance free as possible. However, some simple maintenance can be added as part of the engineer's annual inspection of the PV valve. This will ensure longevity and trouble free use.

1. Loosen the jubilee clip on the base of the knuckle joint securing the protective shroud.

2. Slide the shroud up the knuckle joint body until the ball joint is exposed. Carry out a visual inspection of the ball joint checking for any damage.

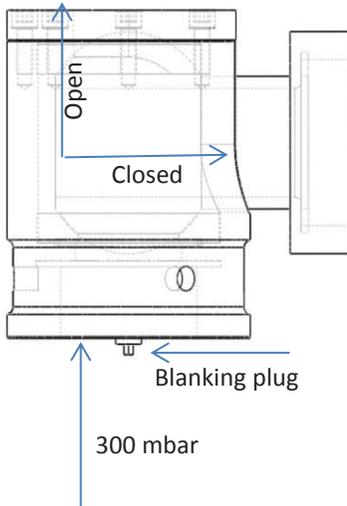
3. Using an industry standard spray lubricant ensure a good coating of the ball joint and PVC seats.

4. Using the same lubricant liberally spray the padlock securing the EROS. This will protect from corrosion and prevent the lock from sticking.



In house knuckle joint testing procedure

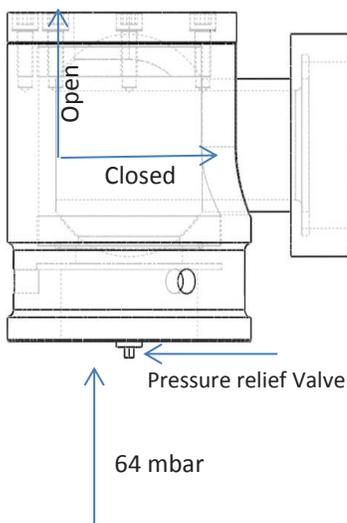
To ensure the EROS meets the specification required. Rigorous in house tests are applied to a random sample of 5 knuckle joints from each production batch.



1. When the EROS is lowered (Knuckle joint in the closed position). The pressure relief valve is removed and a blanking plug inserted.

The unit is then subjected to a pneumatic test of 300mbar. The Test is held for 5min checking for any drop in pressure.

Once the test is completed the unit is removed and the pressure relief valve reinserted.



2. The second test performed is on the pressure relief valve itself. The knuckle joint is again in the closed position this time with the pressure relief valve in place.

A Pneumatic test is applied. The pressure is incrementally increased up to 64 mbar at which the pressure relief valve breaks.