



Information Release

BPS Magnetic Separators for Pump Protection

Maintenance costs for isolated pumping stations are expensive and require quality products that deliver high levels of reliability to reduce maintenance intervals and downtime.

Black Powder Solutions has designed a Magnetic Separator to protect the pump components by removing the Black Powder from production flow on the pressure side of the pump used to lubricate and maintain seal pressure in the pump casing.

Black Powder is the result of corrosion and erosion of the reservoirs and pipeline walls, it is a hard wear contaminant that will cause premature wear of seals, bearings and shafts of the pump.

The BPS Magnetic Separator is capable of removing Black Powder down to a sub-micron level protecting the integrity of tight tolerances of the bearings and seals.

With a contaminant holding capacity in excess of 20 lb_m, these Magnetic Separator Rods allow a cleaning interval of 12 months. They are easily cleaned and have an operational life of 16+ years. Operating temperatures for these units range from -40 °F/°C to 300 °F/150 °C.

Custom designs are available to suite the wide variety of pumping systems for crude oil and gas.



- BPS Magnetic Separators are available for high and low pressure pump applications.
- If required, ASME U-Stamp, PED and CRN verified vessels are available.