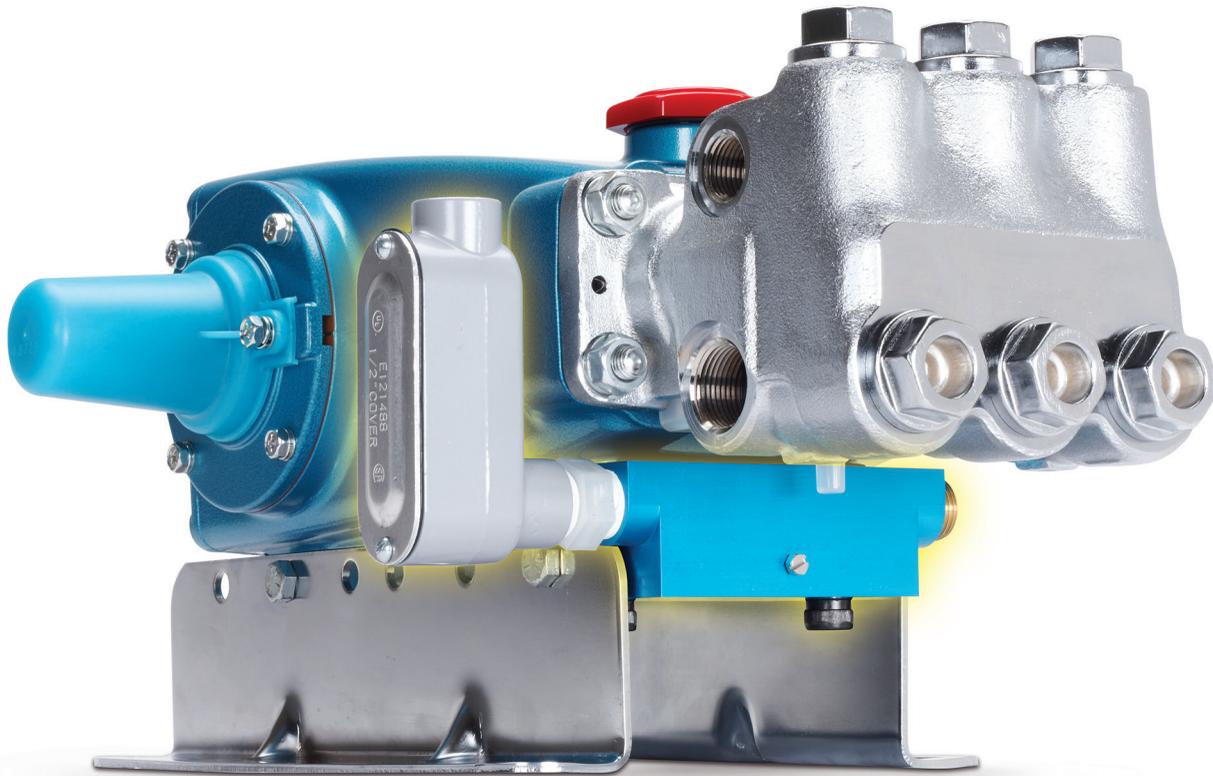


LOW PRESSURE SEAL MONITOR



Avoid unplanned shutdown and maximize your profits

The LPS monitor is designed to sense water leakage past the low pressure seals and alert maintenance personnel that the pump seals need replacing. If not serviced in a timely manner, water will continue to leak past the low pressure seals and contaminate the crankcase oil, therefore reducing lubrication properties of the oil. Contaminated crankcase oil can cause unplanned shutdowns, production interruptions, costly downtime, emergency pump repairs, and costly pump replacement. The LPS Monitor is designed to alert maintenance personnel of this condition before the pump drive-end components are at risk.



- Contaminated drive-end shown, due to loss of oil lubricity leading to component discoloration and failure



- Scoring and gouges appear in the crosshead area



- Plunger rod beginning to seize in crankcase
- Rod discoloration is an indicator of water leaking past the low pressure seals and/or the O-rings under the plungers

Providing feedback on low pressure seal condition

Operation

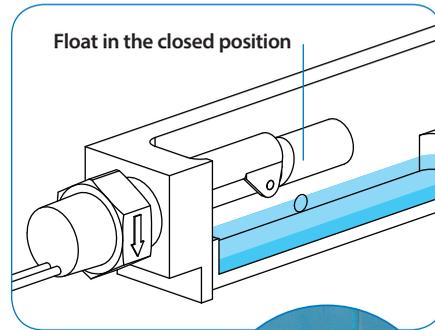
- Water collects in reservoir as low pressure seals wear
- Models available for PLC or PC interface
- Indicator light models when PLC or PC interface is not required
- Float switch configurable normally closed (NC) or normally open (NO)
- Switch can be mounted on either side of leak pan to meet your configuration

LPS Monitor Benefits

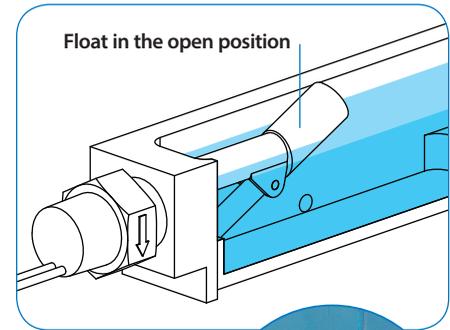
- Avoid costly pump replacement risk due to crankcase drive failure
- Avoid unplanned production interruptions improving profitability
- Improves pump seal maintenance planning avoiding unplanned shutdown

Normally Closed Operation

(Recommended configuration when indicator light model used)



Light is illuminated indicating conditions are satisfactory.



Light is off indicating seals need replacing or bulb is burnt out.



Ordering Information:

Note: Corrosion resistant models available on request.

	PLC or PC interface models	Non-PLC or PC interface models
<p>Fit on the following pumps models: 650, 651, 660, 661, 661C, 661D, 681, 681K, 1050, 1051, 1051C, 1051D, 1057, 1530, 1531, 1540, s, 1541, 1560, 1570, 1580, 1810, 1810K, 1851, 1851K, 1861, 1861K</p>	 <p>30664</p>	 <p>30664.120AC, 30664.240AC (w/light)</p>
<p>Fit on the following pumps models: 1520, 1521, 2510, 2511, 2520, 2520C, 2521, 2530, 2530E, 2531, 2537, 2831, 2831K, 3501, 3501C, 3507, 3507C, 3511, 3511C, 3517, 3517C, 3520, 3520C, 3521, 3521C, 3527, 3531, 3531C, 3535, 3535C, 3537, 3541, 3541C, 3545, 3550, 3560, 3570, 3801, 3801K, 3811, 3811K, 3821, 3821K, 3831, 3831K, 3841, 3841K</p>	 <p>30290 30292 (Corrosion Resistant Model)</p>	 <p>30290.120AC (w/light)</p>

The LPS Monitor is ideal for new systems or retrofitting existing systems.



CAT PUMPS

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