

FLARE KNOCKOUT PUMP







APPLICATION

Flare knockouts are a critical application within the oil and gas market. During the process of oil and gas production and refinement, gasses are circulated at high pressure. As with any manufacturing process, maintenance is required and slowdowns are expected. During these important and mandatory times it is imperative to release this gas in a safe and effective manner. Flare knockouts let the production equipment burn off the unneeded gas while this process is taking place. Flares can also be used to regulate the over-pressuring of production equipment day to day.

During the gas flaring process, natural gas liquids (NGL's) from the gas stream will drop out prior to flare. The NGL's will need to be pumped into a vapor-liquid separator or "knockout drum" upstream. The team at SANDPIPER realized the need for a safe and reliable way to move this fluid. SANDPIPER's G-Series GODD dual powered pump can safely be powered by natural gas or compressed air.

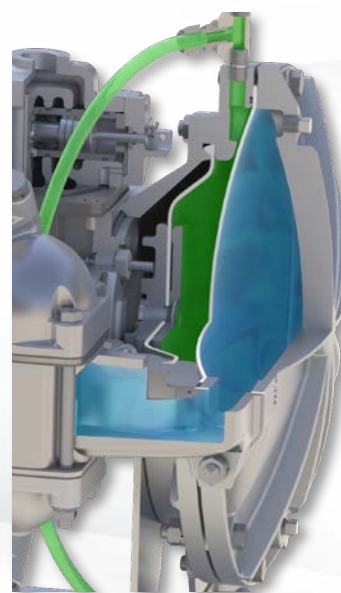
If compressed air is the primary energy source, SANDPIPER's Containment Duty pump is the choice with safety in mind. It will ensure in the case of diaphragm failure, the air will not enter the product stream causing potential uncontrollable combustion.







REQUIREMENTS

-  Safe in potentially explosive atmospheres
-  Compatibility with NGL's on wet end
-  Compatibility with both sweet and sour gas
-  Intermittent operating conditions
-  Dry running capabilities
-  Deadhead safely without need of by-pass valve

SOLUTION

- SANDPIPER G-Series Pumps comply with all necessary safety regulations - including CSA and ATEX
- G-Series Pumps offer the broadest range of size and material - including Stainless Steel gas valve and FKM elastomers for higher temperatures and enhanced chemical compatibility
- SANDPIPER's exclusive ESADS+ Air/Gas distribution system's patented, lube-free design offers complete in-line serviceability
- Designed to operate at a 1:1 ratio without a gradual loss of flow brought on by wearing parts
- SANDPIPER Containment Duty Pumps provides an extra layer of protection when used to move potentially dangerous materials



-  NO Safety & Environmental Hazards
-  NO Costly Clean-up & Maintenance
-  NO Interruption of Operations
-  NO Loss of System fluid
-  NO Extended Downtime
-  NO Product / Process Contamination from Air Supply

 **SERIES**

IPEX

SANDPIPERPUMP.COM



VS

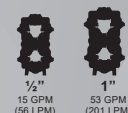
COMPETITOR

SANDPIPER PUMPS EXCEL IN EVERY ASPECT OF
SAFETY AND RELIABILITY WITHIN THE OIL & GAS INDUSTRY

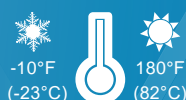
WIDEST AVAILABLE RANGE



SIZE & FLOW



WIDEST TEMPERATURE RANGE



TEMP



BROADEST CERTIFICATIONS IN THE INDUSTRY

SAFETY COMPLIANCE WITH:



SAFETY

SAFETY COMPLIANCE WITH:



ONLY ½" AND 1" SIZES

LARGEST SOLIDS PASSAGE

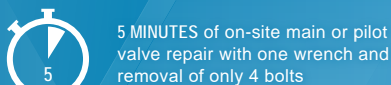


SOLIDS HANDLING

TOP DISCHARGE ONLY
Up to ¼"



EASE OF REPAIR AND LESS DOWNTIME



GAS / AIR VALVE REPAIR

55 MINUTES of off-site main and pilot valve repair with a variety of tools needed to remove pump from line and transport for repair



ENHANCED TEMPERATURE RESISTANCE AND CHEMICAL COMPATIBILITY



GAS / AIR END MATERIALS

LIMITED
Aluminum only
Nitrile Elastomers only



BEST GUARANTEE IN THE INDUSTRY



PERFORMANCE RELIABILITY

LIMITED
Connecting Rod prone to bending
5-year Limited Warranty



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