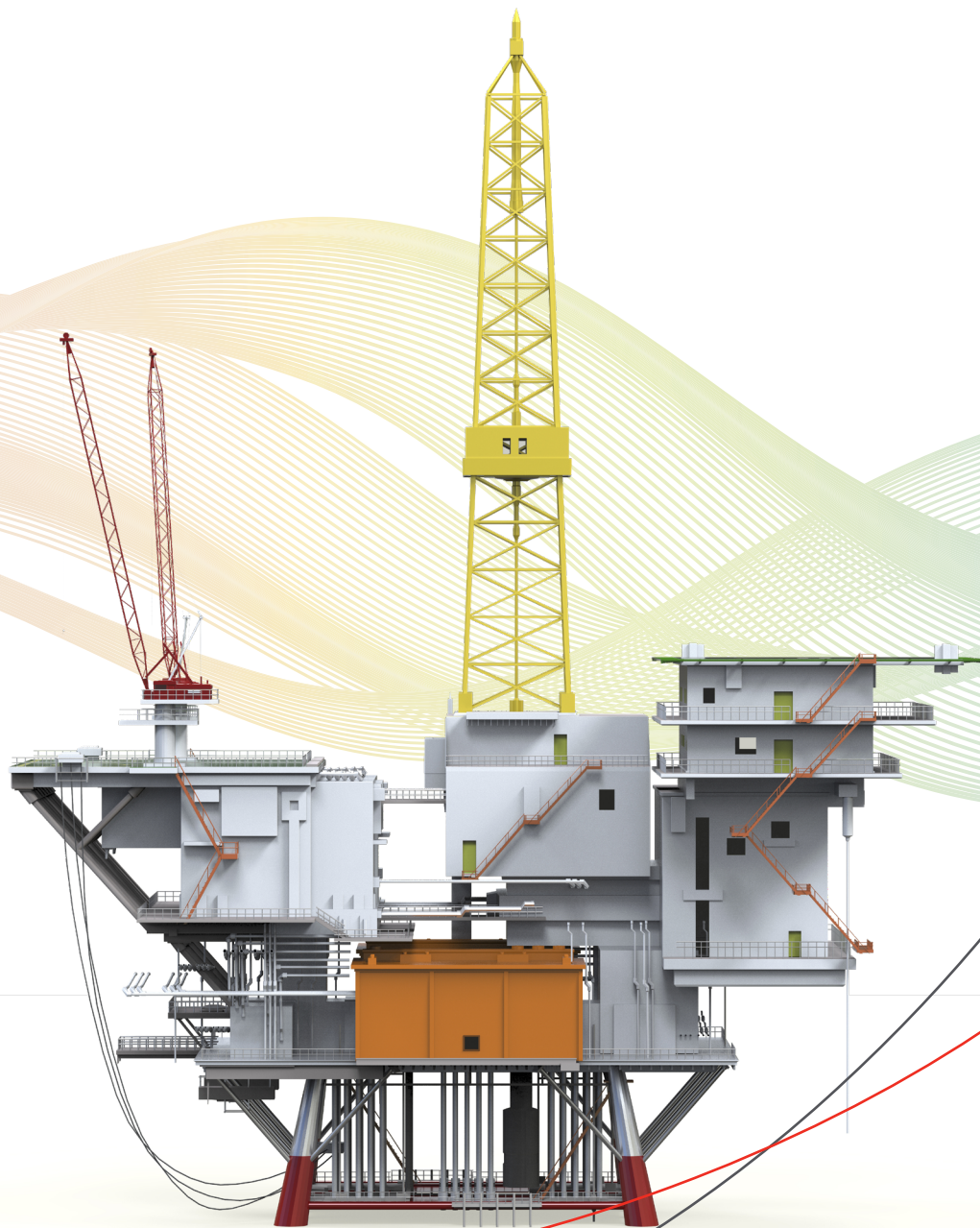


ARO[®]

DIAPHRAGM AND PISTON PUMPS

FOR THE OIL AND GAS INDUSTRY



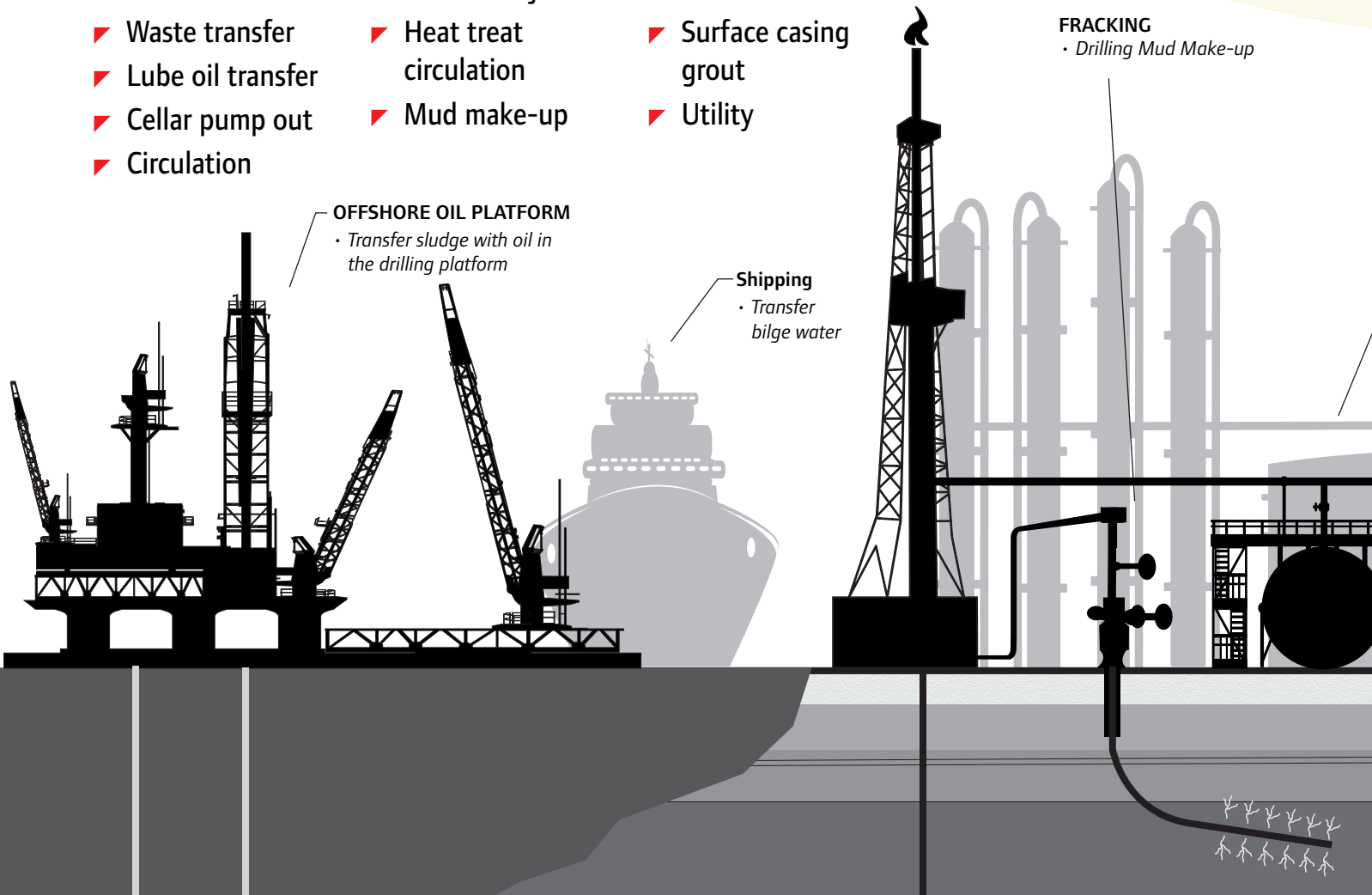
ARO® pumping solutions to improve your oil and gas productivity

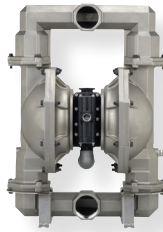
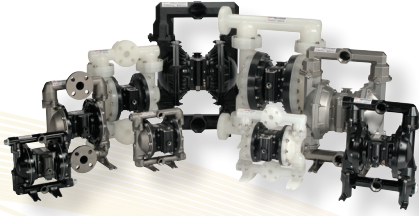
With over 80 years of experience in pneumatic-operated pumps, ARO® offers a wide range of diaphragm and piston pumps for the oil and gas industry. The innovative designs, best-in-class performance, and unparalleled reliability of ARO® pumps make them the perfect solution for a variety of upstream, midstream, and downstream applications. Whether it's standing up to the harsh environments of the off-shore platforms, ensuring consistent performance in the refineries, or supplying top-of-the-line flow rates for transfer and unloading, ARO® pneumatic-operated pumps help get the job done safely and efficiently.

The quality and performance of ARO® pumps is only strengthened by the support network around them. Not only do our engineers design our best-in-class technologies, but they can also consult with you to identify your needs and customize solutions to fit them. Our professional and experienced technical support team is merely a phone call or email away for support and assistance. Our global distribution and OEM network enhances our support through their extensive industry knowledge, application experience, and top-of-the-line service, meaning you never have to take on a challenge alone.

Applications

- ▶ Crude oil transfer
- ▶ Waste transfer
- ▶ Lube oil transfer
- ▶ Cellar pump out
- ▶ Circulation
- ▶ Flowline injection
- ▶ Heat treat circulation
- ▶ Mud make-up
- ▶ Salt water transfer
- ▶ Surface casing grout
- ▶ Utility





2:1 Diaphragm Pump



3:1 Diaphragm Pumps



EXP Series Diaphragm Pumps

With industry-leading efficiency and reliability, ARO® EXP diaphragm pumps are a truly versatile solution for numerous applications. Available in metallic and non-metallic materials, these pumps are suitable for offshore sludge/waste water transfer, refinery processing, bulk transfer and unloading, and many other vital processes. With proven performance in the field and backed by a 5-year warranty, ARO® EXP diaphragm pumps deliver consistency and reliability in the most demanding situations.

- 1/4" - 3" port sizes
- Flow rates up to 275 GPM (1041 LPM)
- Stall-Free / Ice-free operation
- Large range of material and porting configurations
- Available in groundable materials

High Pressure Specialty Pumps

With the ability to produce 300 psi fluid pressure and a max flow rate of 26 GPM (98.4 LPM), ARO 3:1 diaphragm pumps offer higher pressures beyond a traditional diaphragm pump for tough applications.

- ▶ **2:1 Diaphragm Pump**
 - 3" port size
 - Flow rates up to 160 GPM (606 LPM)
 - Pressures up to 200 PSI (13.8 bar)
 - Stall-Free
- ▶ **3:1 Diaphragm Pump**
 - 1" port size
 - Stall-Free
 - Stainless-Steel construction
 - 1/8" diameter maximum particle size
 - PTFE diaphragms

ARO Force Pumps & Packages

Capable of handling viscosities in excess of 1,000,000 cPs and generating pressures up to 7,475 psi, ARO® piston pumps are the perfect solution for the "tough" jobs. Whether it's providing heavy grease for critical components, facilitating emergency high-flow chemical injection, or being used in blow-out prevention (BOP) control systems, ARO® piston pumps provide the pressure and flow needed with consistent performance. Their robust design and reliability ensure productivity under any conditions.

- Available in 2-ball, 4-ball, and Chop-Check configurations for a wide range of viscous fluids
- Flow rates up to 32.8 GPM (124.0 LPM)
- Modular design promotes ease of serviceability and reduces downtime
- All pumps are groundable and ATEX-compliant

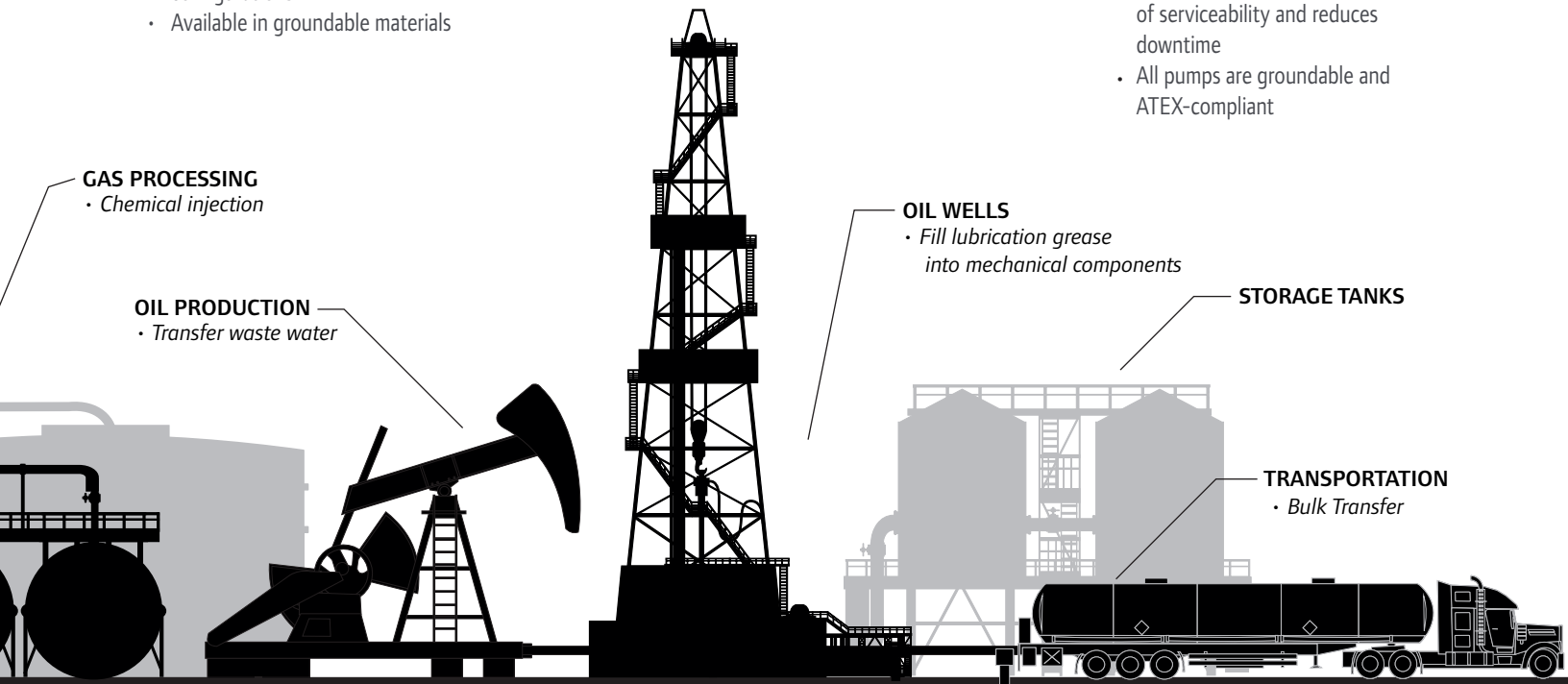
GAS PROCESSING
• Chemical injection

OIL PRODUCTION
• Transfer waste water

OIL WELLS
• Fill lubrication grease into mechanical components

STORAGE TANKS

TRANSPORTATION
• Bulk Transfer



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About Ingersoll Rand

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