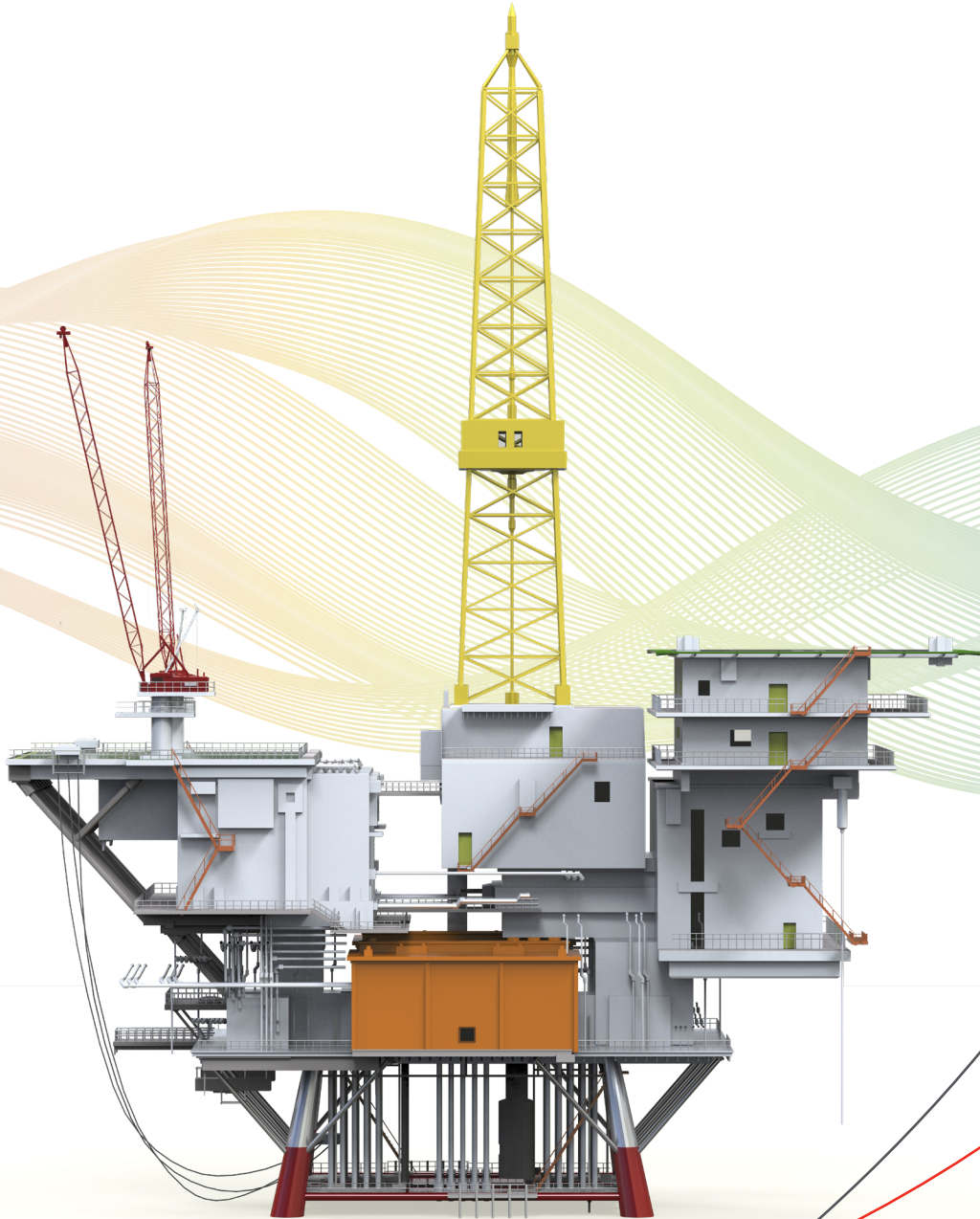


ARO[®]

DIAPHRAGM AND PISTON PUMPS

FOR THE OIL AND GAS INDUSTRY



ARO[®] pumping solutions to improve your oil and gas productivity

With over 85 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.

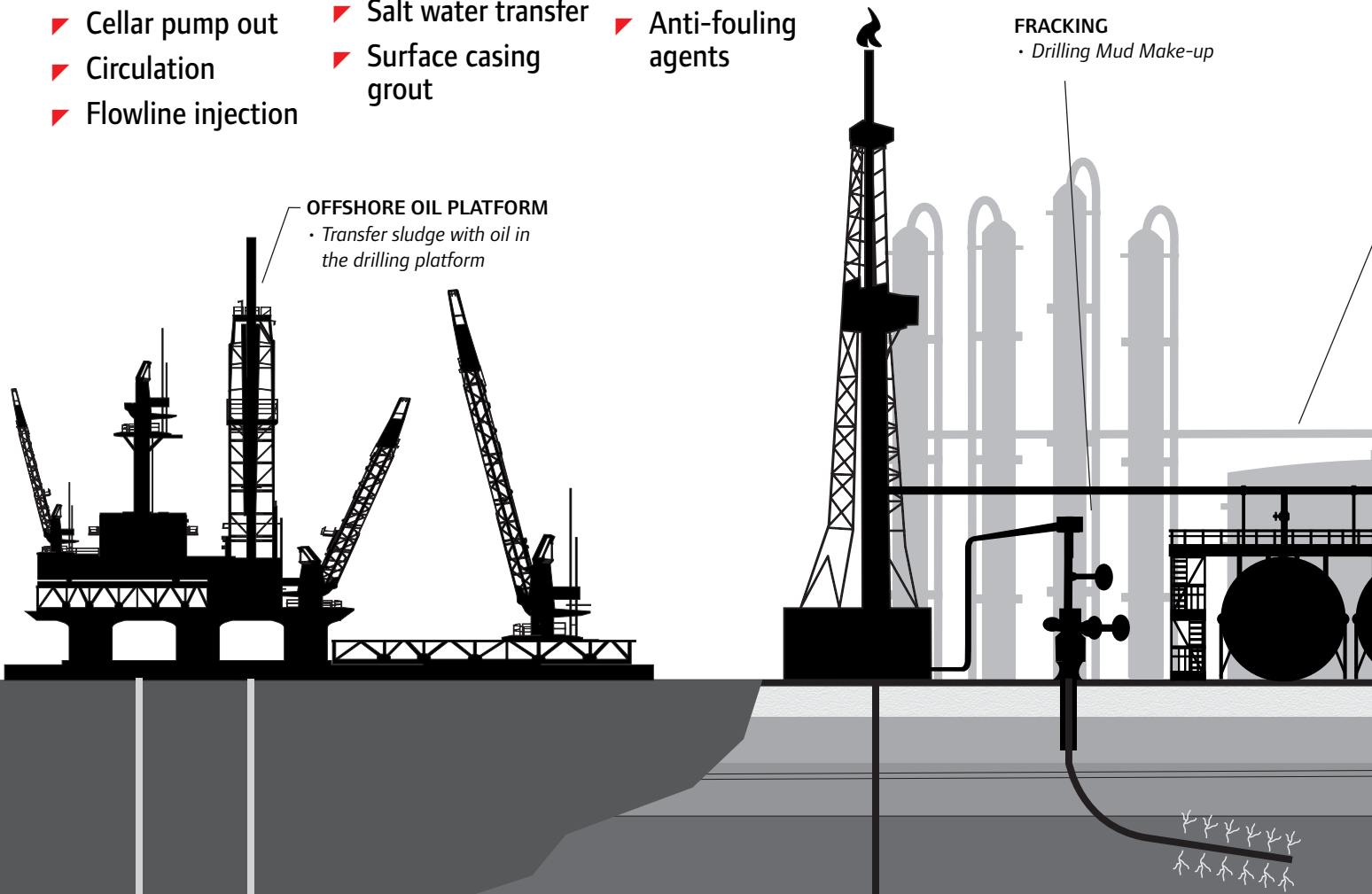
The quality and performance of ARO[®] pumps is only strengthened by the support network around them. Not only do our engineers design our best-in-class technologies, but they can also consult with you to identify your needs and customize solutions to fit them. Our professional and experienced technical 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.

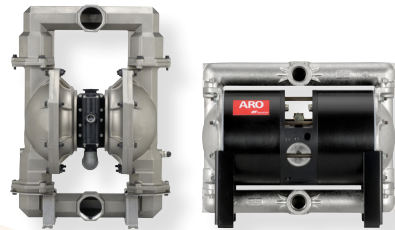
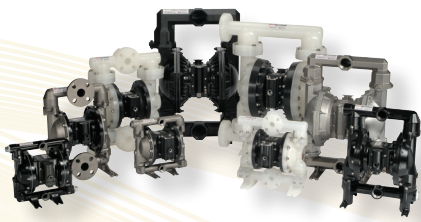
Applications

- 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
- Corrosion Inhibitors
- Demulsifiers
- Anti-fouling agents

OFFSHORE OIL PLATFORM
• Transfer sludge with oil in the drilling platform

FRACKING
• Drilling Mud Make-up





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
- ATEX Compliance
- Corrosion resistant CF3M (SS 316 L)

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

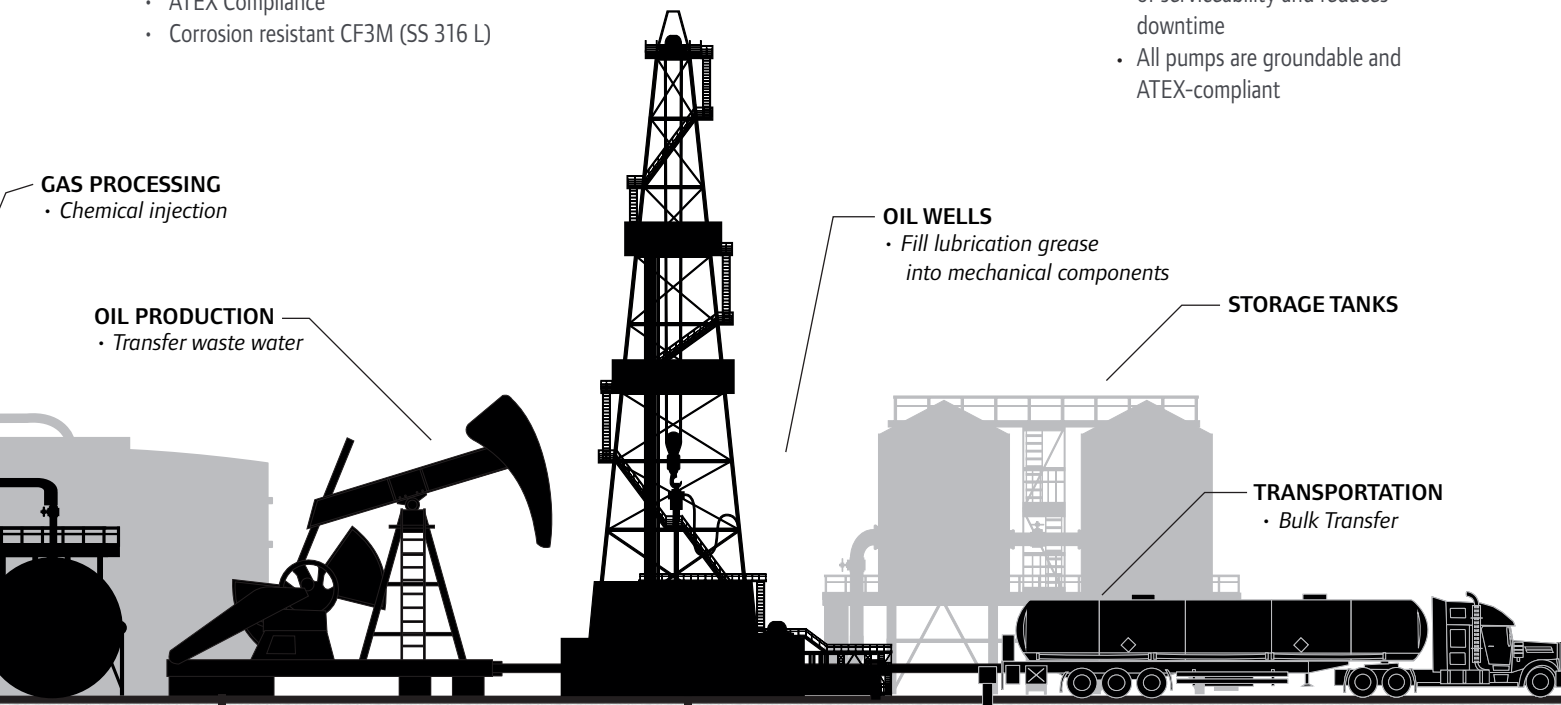
GAS PROCESSING
• Chemical injection

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

Ingersoll Rand Inc. (NYSE:IR), driven by an entrepreneurial spirit and ownership mindset, is dedicated to helping make life better for our employees, customers and communities. Customers lean on us for our technology-driven excellence in mission-critical flow creation and industrial solutions across 40+ respected brands where our products and services excel in the most complex and harsh conditions. Our employees develop customers for life through their daily commitment to expertise, productivity and efficiency. For more information, visit www.IRco.com.

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