

Offshore Technology Conference
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Electropneumatic Control
with PLCs p36

Pressure-Compensated
Flow Control p40

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Hydraulics & Pneumatics®

THE AUTHORITY ON FLUID POWER TECHNOLOGY

APRIL 2019 hydraulicspneumatics.com

Onboard for OFFSHORE

Coverage begins
on p14

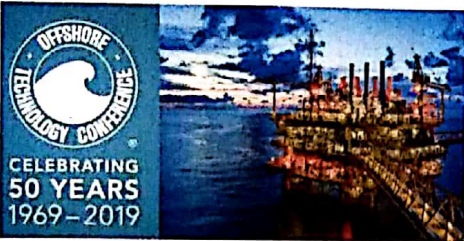
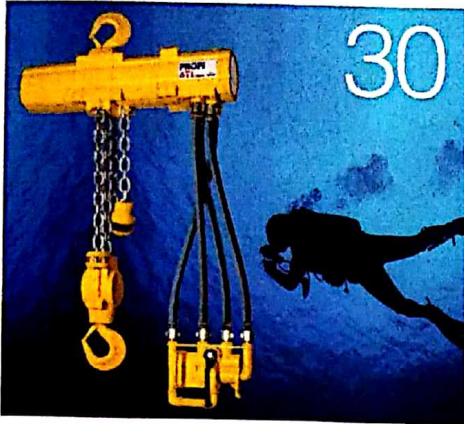


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FEATURES

- 30 Fluid Power Hoists Prove Ideal for Marine Applications**
Hoists powered by hydraulics or compressed air provide power-dense, safe, and reliable handling and lifting in a broad range of marine industry applications around the world, including jack-up rigs, semi-submersible platforms, drill ships, and vessels used for floating production storage and offloading (FPSO).
- 32 Help Plot Global Energy Strategy at OTC19**
This May 6-9, Houston's NRG Park will be the place to plan how you'll meet the growing needs of customers serving oil producers great and small.
- 36 Use PLCs for Simple Control of Pneumatic Machines**
Packaging machines often use lots of pneumatics, and a programmable logic controller can be just the thing to make a simple, reliable, and economical design.
- 40 Post-Compensated Flow Control Made Simple**
All the lengthy technical papers covering pre- and post-compensated flow control can make the subject intimidating. But it's easy to understand if you break it down to its basic elements. Here's a simple discussion that does just that.
- 43 Tracked Grinder Goes Where Others Can't**
Hydraulics technology helps to force-feed a variety of materials—from scrap wood to asphalt—into a trackmounted grinder.

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THE FPDA
MOTION & CONTROL NETWORK



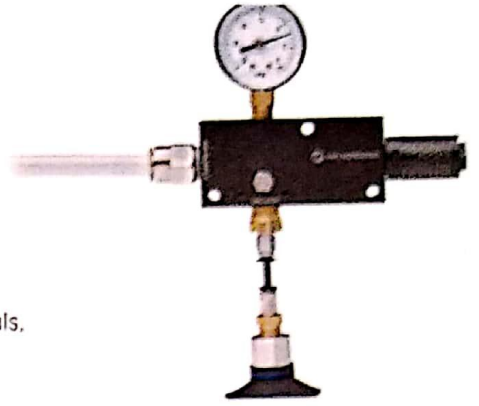
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Vacuum Pumps Up Productivity, Cut Downtime

VENTURI-TYPE VACUUM PUMPS, cartridges, cups and fittings handle diverse materials—from sheet metal to corrugate to eggs. The single-stage inline venturi pump design lets contaminants pass through without clogging, resulting in greater reliability, productivity, and uptime. Eliminating additional filters and clean screens lowers maintenance and operating costs. The manufacturer's comprehensive product range includes application-specific vacuum pump design options such as adjustable vacuum or flow rates, air amplifiers, or material transfer. The pumps and cups come in a variety of materials, including 303, 304, and 316 stainless steel; FDA-approved acetal resin; and PVC.

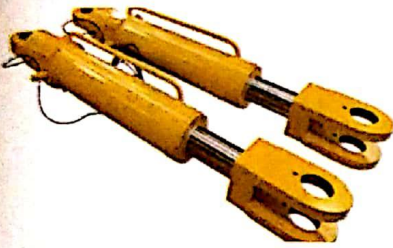
IMI NORGREN, (800) 514-0129, www.imi-precision.com/us/en/list/vacuum



Standard and Custom Hydraulic Cylinders

DANISH MANUFACTURER designs hydraulic cylinders for the offshore, marine, subsea, wind-power, and similar demanding applications. Standard cylinders are made from modular components for quick delivery. Cylinders can also be built completely from custom components, using a combination of standard and custom components. Standard bores range from 25 to 500 mm and strokes to 9 m. Available in a wide variety of materials, mounting configurations, seal combinations, and options and accessories.

FJERO A/S, sales@fjero.com, www.fjero.com



Hose and Couplings for Global Applications

THE ADDITION OF the ProXT hydraulic hose line and an all-new line of Pro Series couplings makes the Gates Pro Series line suitable for global applications. The XT line is available in seven sizes from ¼ to 1 in. and meet SAE 100R2/R16, ISO 11237 R16, and EN 857 2SC industry standards. This manufacturer is also developing a PRO Series Pro1T hose to address the EN 857 1SC industry standard. Gates Pro Series couplings are designed for the full line of Pro Series hoses, including ProXT, ensuring end-to-end system performance. This coupling line covers all popular terminations, with corresponding crimp specifications.

GATES CORP., (303) 744-5070, www.gates.com

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