

Products: Hydraulics & Pneumatics

Electronic valves for oxygen



Clippard Instrument Laboratory has introduced the Oxygen Clean series electronic valves. Available in 2-way or 3-way,

normally-closed or fully ported, the valves are designed for use with oxygen applications and will work with air and inert gas. The O-E series pneumatic valves use a patented valve system, have a power consumption of 0.67 W, a response time of 5 to 10 ms, and voltages of 6, 12 or 24 Vdc. clippard.com/oxygen Info Card 358

Proportional piezo gripping

The servopneumatic proportional gripper HGPP1 from Festo combines mechatronics and microsystems technology in a single component, as it integrates gripper technology, electronics, a displacement encoder

and valves. The gripper fingers are actuated via six piezo proportional valves in widths of 5 mm. Units are said to be 5x more powerful than electric grippers of the same size with gripping forces of 50 N per gripper jaw. festo.com Info Card 357



lic integrated circuits (HICs) are designed to fit 7 Sauer-Danfoss low speed, high



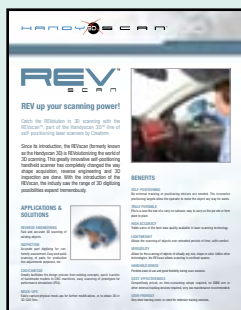
torque (LSH1) motors. Units provide the commonly needed functions, including counterbalance, cross-port relief, by-pass solenoid and dual shock valve with anti-cavitation. sauer-danfoss.com Info Card 360

DPN DESIGN PRODUCT NEWS

...a service for readers

On this page are illustrations and descriptions of catalogs detailing products and services that could prove helpful to you.

To receive your copy of any brochures that are of interest, write the appropriate number on the Info Card and follow the instructions for mailing/faxing or use our online reader service.

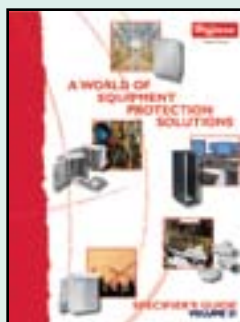


Info Card #77

Creafom's new Handyscan 3D line-up of products

Creafom has developed and sells the Handyscan 3D™ line of products, which includes the REVscan™ and the EXAscan™. These revolutionizing self-positioning handheld 3D laser scanners provide real-time 3D rendering visualization and generate files that can be exported to most CAD platforms. Due to its true portability, versatility and precision, the Handyscan 3D™ line of products makes 3D scanning more simple than ever.

www.creaform3d.com
www.handyscan3d.com
Creafom



Info Card #78

Hoffman's new Specifier's Guide, Volume 21, features over 1,200 pages of detailed product information on the full range of Hoffman's equipment protection solutions for the industrial, commercial construction and DataCom markets, including new Arc Flash Safety Solution and Cable Pathway chapters. Visit www.hoffmanonline.com to request a copy.

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Info Card #79

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Info Card #80

Extremely Compact Soft Starter SSW-06

The SSW-06 is WEG's third generation Soft Starter line. Its Keypad with dual display has bright red LED digits and easy programming. Built-in bypass contacts that eliminate heat dissipation once the motor is at full voltage, allow for simple integration in non-ventilated enclosures and replacement of electromechanical starters in Motor Control Centers. This product recently won the IF Design Award - Industrial Products Category for its simplicity of constructive solutions and its user friendly operator interface.

www.pamensky.com
V.J. Pamensky Canada Inc.



Info Card #81

Self-Tensioning Motor Bases

ROSTA is the leading manufacturer of dynamic rubber suspension elements whose unique design has multi-functional uses as a spring, bearing and a damper. Our standard product line offers off the shelf solutions for immediate installation on a variety of applications such as our self-tensioning motor bases used on a wide range of V-belt driven equipment. With sizes ranging from fractional to 350 HP, we are able to extend your belt and sheave life and provide a positive drive without slippage. Let ROSTA reduce your installation and maintenance costs and increase your profits. Call us today for your free brochure.

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Info Card #82

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Catalog M-205 features six families of all-planetary gearheads, including our NEW economy servo, In-Line, type MRP which complements the world class MNT line. Also includes NEMA gearheads and Right-Angle type MRA. Backlash specs hold for 15K plus hours. From France since 1919, Mijno gearheads can be matched to all brands of servo motors.

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Mijno Precision Gearing



Info Card #83

Zero-Max ROHS Compliant Servo Style Coupling

ServoClass® Couplings are designed for servomotor and precision motion control applications. Available in 11 sizes in single and double disc models. Torque ratings from 0.5 to 250Nm. Manufactured of RoHS* compliant materials, all ServoClass couplings are lightweight and are designed with 304 stainless steel disc packs and 7075-T6 aluminum hubs and center members. All models and sizes feature clamp style hubs with corrosion resistant socket head cap screws.

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Fax: 763-546-8260
www.zero-max.com
Zero-Max, Inc.



Info Card #84

New MEP Catalogue 2007A

MEP catalogue 2007A contains 90 pages of selection, pricing, and specifications, on a complete line of, AC and DC motors, alternators, phase converters, AC and DC variable speed drives, servo motors and drives, PLCs, HMIs, temperature controllers, and speed reducers, featuring the MaxMotion line of motors and Delta controls.

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Toll Free: 1-877-812-7788
Fax: 905-829-8155
E-mail: fern.garcia@mep.ca
Web: www.mep.ca



Info Card #85

A Day in the Life with LINAK

People move in many different environments: at home, at work and on the go.

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www.linak.com
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Info Card #86

TCH introduces a stainless steel folding T-handle. These handles are primarily used on compartment or cabinet doors, including: storage boxes, service and utility truck bodies, fire and rescue vehicles, and toolboxes. The dish is supplied with mounting holes, or threaded studs. Both options include a rubber gasket. Each handle is supplied with 2 keys and an optional dust cover.

infotch@tchweb.com
TCH



Info Card #87

Large Super-Bright Vacuum Fluorescent Display provides sunlight readability from a distance.

Kern Electronics, Edmonton, AB has introduced a character, super-bright display based on new vacuum fluorescent display technology by Noritake. The display achieves over 3,000 cd/m2 brightness, providing readability in direct sunlight and outstanding visibility in all other lighting conditions. Large character height of 0.6 inches allows the display to be read from distance over 6 meters. www.noritake-elec.com.
Noritake



Info Card #88

MAKE YOUR CONTRACTS AS SOLID AS YOUR DIE CASTINGS!

Take the guesswork out of developing proposals and contracts for buying die castings. NADCA's *Commercial Practices for Die Casting Buyers* is a comprehensive 16-page manual that covers contractual issues for the physical creation of a part, as well as other services, such as design, engineering, tool maintenance, finishing and assembly. Based on more than 50 years of industry-wide production experience and good business practices, this valuable resource offers tips, guidelines and checklists to create solid contracts. Visit www.diecasting.org/oemweb to download *Commercial Practices for Die Casting Buyers*.

North American Die Casting Association

Products: Hydraulics & Pneumatics

Gas, liquid circulation heater



Watlow has introduced the CAST-X 500 circulation heater for gas and liquid applications. The unit operates up to 300 psi, is intrinsically safe and will not burn the fluids being heated. Applications include the heating of solvent, DI water, air, CO₂, nitrogen, diesel fuel and printing ink, as well as packaging sterilization, analytical instrumentation, steam generation and pasteurization.

watlow.com

Info Card 359

Hydraulic cylinder series



The hydraulic cylinder series CDM1 from Bosch Rexroth has three variants – CDM1 single rod, CGM1 double-rod and the CSM1 cylinder axis with position measuring system. The series, in accordance with ISO 6020-1, is available in bores ranging from 25 to 200 mm and piston rod diameters of 14 to 140 mm, at a standard nominal pressure of 160 bar. All sizes are available with stroke lengths of up to 3000 mm and provided with self-adjusting and ad-

justable end position cushioning. The user can select from 9 mounting types.

boschrexroth.ca

Info Card 361

Proportional control valve



Eaton Corp. has introduced the Ultronics ZTS16 integrated proportional control valve package for flexible machine control applications. The ZTS16 series features

patented twin-spool architecture, integrated sensors and programmable on-board electronics to support infinitely flexible machine functionality. The valves offer a choice of J1929 or CANopen CAN interfaces. Real-time diagnostics and monitoring with integrated, software-configurable sensors speed new system commissioning, while supporting efficient trouble-shooting in the field.

hydraulics.eaton.com

Info Card 362

Cylinder with lock



The series CNG Locking Cylinder from SMC Pneumatics can increase safety when used for intermediate stops, drop prevention and emergency stops. The cylinder is said to use a reliable and compact lock unit that is not affected by poor air quality and is available in bore sizes 20 to 40 mm. Advantages of the unit include a high speed dynamic lock: the CNG cylinder can be used to stop moving loads from speeds of up to 1000 mm/s provided that the application is within the allowable kinetic energy range. The CNG design uses a tapered ring and steel ball combination to actuate the brake. If air is lost, the lock release can be operated using a wrench. When the override is released, the lock is engaged again as a failsafe.

smcpneumatics.ca

Info Card 356

Instrumentation manifold



Parker Instrumentation has launched a 3/8 in. (10 mm) bore double block and bleed manifold that will operate at up to 15,000 psi cold working pressure. The Hi-Pro 15KSI DBB manifold is supplied with threadless connections for tubing. MPI tube end sizes from 3/8 to 3/4 in. (9.5 to 19 mm) may be specified. The manifold integrates two ball valves for isolation, and one needle valve for venting, providing a 'double block and bleed' configuration for interfacing instruments such as a pressure or temperature transmitters. The valves are integrated within a 316 stainless steel one-piece body measuring 9.31 in. (23.6 cm) in length for the version with MPI tube ends. The integrated manifold has been made possible by a new sealing material for the valve seats known as PHlex. The material also allows the manifold to meet the fire safe requirements of API 607 and BS67755.

parker.com/ipd

Info Card 363

Flexible electric cylinder solutions

Electric Drive Automation



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Dosing applications



Sorting machines



Printing machinery

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