

# CPI

## CONTROL & POWER, INC.

An ESOP Company

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### Control & Power Welcomes "Colder Products Company"

For 25 Years, Colder Products Company - a world leader in the design of plastic quick disconnects for flexible tubing - has combined innovative engineering with leading edge manufacturing to provide a diverse range of fluid management solutions worldwide. Today CPC components are found in ultra high purity chemical dispensing equipment, life-saving kidney transplant systems and controlled biological environments aboard the International Space Station. Colder Products Company sells over 30 million high quality, leak-free quick disconnect couplings a year, more than 250 million to date. CPC produces a standard product line of over 4,000 items and delivers 1,500 different coupler configurations on a monthly basis.



### INTERTEC



### Control & Power Welcomes "INTERTEC Instrumentation"

INTERTEC Instrumentation is a supplier of unique systems designed to provide reliable protection of sensitive field-mounted instruments. Neglect or failures in instrument protection can seriously affect plant safety and the operation of the complete system. Even operating and maintenance costs can be reduced considerably by providing adequate instrument protection. Today, more than half a million INTERTEC protection systems ensure safe operation of instruments, analyzers, mobile phone and radar equipment, signaling plants, transmitters and many other installations worldwide.

### Control & Power Launches NEW eCatalog

In an ongoing effort to provide superior service and support to our customers, CPI has announced and made available an electronic catalog on both CD and at our website. The eCatalog includes thousands of pages of manufacturer literature and technical & engineering information. Please contact us for your copy of the CD and access the information now at:

<http://www.controlandpower.com/catalog/>



### ASHCROFT® Introducing the DIGIGAUGE® Family



Ashcroft® pressure gauges have been the benchmark in pressure measurement for over 150 years...but make no mistake - these are not your father's pressure gauges! In fact, they far surpass and outperform the competitive digital gauges on the market today. Feature packed, with industry leading specifications, these products meet a multitude of pressure measurement requirements. And, if we don't have exactly what you need let us customize a solution for you! Included in this new family are Digital Precision Test Gauges, Digital General Purpose Gauges, and Digital Industrial Gauges with accuracies ranging from 0.05% to 1/2% full scale.



### Expands 8290 Series Product Line



ASCO expands its **8290 Angle Body Piston Valves** product line to incorporate the Miniature 32mm Operator, Proportional Valve and HS Linear Position Indicator. The **32mm Operator** angle body valve is the smallest construction of this type, and covers 3/8", 1/2" and 3/4" pipe sizes. It provides excellent flow and pressure capabilities in an extremely small package. The **8290 Proportional Valve** incorporates compact positioner technology to provide proportional control of fluids. Available for NC entry under disc, 50mm through 125mm operators. The **HS2, 3 and 4 Linear Position Indicators** can be supplied with two mechanical or Viper switches and mounts on top of the 8290 valve operator in place of the standard visual indicator. These indicators can be used with the 50mm NC and 63mm thru 125mm NO & NC valves. A wiring box with conduit connections is provided. HS2 and HS3 indicators are suitable for hazardous locations while the HS4 indicator is suitable for non-hazardous locations. Optional ASi and DeviceNet communications are available.

### Introducing Compact, Commercial Grade Products

Engineered and developed with ASCO's global resources, the **Series S Compact Solenoid Valve** range is suitable for 2-Way and 3-Way applications for the control of air, water, light oil, and steam. With reduced envelope dimensions and easy to install DIN connections, the Series S is designed to save space and installation time for commercial applications where space and serviceability are essential.



### Introduces High Speed RFID System

**BIS S**  
Reads 8 kB of  
data in less than  
6 seconds!



Balluff's **BIS S Identification System** is designed for fast and efficient parts identification using high speed data transmission. Featuring data carriers that can store 8000 or 16000 bytes and heads that can read/write large blocks of information at 2000 bytes/second, the BIS S processes data seven times faster than Balluff's next fastest RFID system. The data transmission rate between the data carrier and read/write head has been drastically increased and the memory capacity expanded. Whereas it used to take 30 seconds to read 8 kB, the BIS S can do it in less than 6 seconds!

### BOD 63M Long Range Laser Sensor

Balluff's new **BOD 63M Laser Time-of-Flight Sensor** is the long range sensing champion for precise detection and measurement of a wide range of objects. The new BOD 63M can detect or measure objects, stationary or moving, that are up to 6 meters long or up to that distance away.



### Position Feedback Cylinder Now Available with Integral Rod Lock

Bimba Manufacturing Company is pleased to announce the immediate availability of their new **Position Feedback Cylinder with Integral Rod Lock**, Model PFCL- in five bore sizes. When used in conjunction with the PCS pneumatic position control system, the rod lock can be used to offer a highly repeatable, precise hard stop once the actuator reaches the desired position. If a less accurate position is required, the system can be used in conjunction with a 3 position, 5 way directional control valve for positioning, and engaging the rod lock for a final mid-position hard stop. The PFCL incorporates a clamp/cam device to hold the piston rod in position upon loss of air pressure. Its simple and effective design provides a low-cost, reliable locking cylinder. Holding forces range from 90 pounds in a 1-1/16" bore cylinder, to 700 pounds in the 3" bore. The rod lock offers a very cost effective positive, rigid, mid-position stop. It is intended to be used as a static locking device, which can be applied once the piston rod is in the stopped position.

### Extruded Flat Lift Table

The **Lift Table** is an EF1-based, guided cylinder with four shafts for maximum rigidity. It is designed for lifting applications where other non-rotating cylinders cannot handle an overhung load and space is at a premium.

- Four-shaft support withstands offset loads and moments.
- Simple, efficient design provides economical alternative to other costly guided actuators.
- Long service life, low friction operation, fast delivery.
- Convenient wide tooling mounting surface.
- Intended for vertical lifting.



**ENIDINE**

An IMC Company



### Rotary Viscous Dampers

RVDs provide smooth control in applications that require continuous or intermittent positioning, forward, reverse and fixed path motion. The RVD design combines low breakout friction with viscous damping to control bi-directional rotary motion in numerous applications. Each RVD contains a solid, rotating element called a "rotor". This rotor is surrounded by a thin film of silicone fluid and sealed inside a stationary housing. The RVD's rotor provides resistance by shearing the silicone fluid, controlling the desired motion.

### Viscous Speed Governors

The VSG controls rotation of shafts and hinged loads by using silicone-based viscous shearing technology. An inner rotor is surrounded by silicone fluid within the stationary housing. As the shaft rotates, the inner rotor shears the silicone fluid providing resistance and smooth motion. Fluid viscosity of each VSG is selected after considering variables such as the components size, weight, spring assist and desired cycle time.

**Humphrey**

Committed to Excellence.



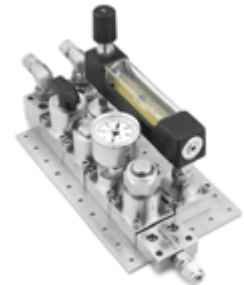
### The NEW 315/415 Series Valves

There are plenty of compact, direct-acting solenoid valves, but only one offers a high flow rate -- the new Humphrey 315/415 Series Pneumatic Valves. The patent-pending design uses a lip seal on the poppet valve, allowing the air inside the valve to help make a tight seal. This enabled us to increase the flow rate to .42 Cv -- up to three-times higher than any other comparable valve -- yet keep the body just 19mm wide. The 315/415 Series valves are available with 1/8" NPT ports in multi-purpose 3-way configurations and five port 4-way configurations with optional flow controls. The common body design enables both types to be mounted together inline or on a manifold.

**Parker**

### IntraFlow™ Modular System

Parker IntraFlow™ substrate fittings have been developed specifically for analytical, lab and other complex general purpose instrumentation flow control systems. ISA/ANSI SP76.00.02 compliant, Parker IntraFlow™ fittings provide maximum flexibility with minimal space requirements. All flow paths, regardless of direction, are maintained on a single plane with the system as there are no lower level manifold blocks required. Contiguous fitting flow paths are intraconnected with slip fit pressure connectors, while a threaded pegboard provides connection force and rigidity when fittings are mounted with cap screws. System assembly couldn't be simpler: a 5/32" hex head wrench is all you need to build with Parker IntraFlow™.



### Pro-Bloc Manifold



Parker Instrumentation has launched a range of one-piece double-block-and-bleed manifolds that significantly reduces the size and weight of process monitoring instrumentation installations. Machined from a single steel forging, Parker's new manifold design eliminates numerous joints - and potential leak paths - compared with arrangements constructed using discrete components. Incorporating flange interfacing, the new products connect easily to process piping. Called the Pro-Bloc, the design is offered in a range of configurations and choices to provide optimal solutions for wide-ranging instrumentation requirements. Applications include instruments for offshore oil and gas platforms, petrochemical and chemical plants, and the provision of chemical injection and sampling points in process lines.

**TRD**

### TR Series Triple-Rod, Non-Rotating Cylinders

Our triple rod cylinder provides more stability than a double rod cylinder. Features three rods for stability and strength. Precision machined to provide accurate linear movement with high forces. 200psi pneumatic version is standard. 400psi non-shock hydraulic version is optional (TH). Position sensing devices such as reed, hall effect or proximity switches (optional). Other models offered include all stainless steel (SS) and electroless nickel plated (EN), and low friction for smooth operation (LF). Bore sizes: 1-1/2", 2", 2-1/2", 3-1/4", 4", 5", 6", 8".



## Solutions for Industry



### NEW Fluid Power Safety for Machine Guarding Book

ROSS CONTROLS® announces its new book "Fluid Power Safety for Machine Guarding" and a companion "Risk Locator for Machinery with Pneumatic Power" on CD ROM. The book covers safety-related topics pertinent to machine guarding for pneumatic equipment. Topics include control integrity, energy isolation, alternative lock-out, risk assessment for fluid power, safety standards, clutch/brake controls for mechanical presses, understanding press counterbalance systems, as well as a frequently asked questions segment.

### New 3/2 CROSSMIRROR® Double Valves

ROSS Controls® is proud to introduce its new line of 3/2 CROSSMIRROR® Double Valves for Control Reliability. The new double valves offer the unparalleled safety features of our patented SERPAR® Crossflow double valves with the advanced benefit of a dynamic monitoring design. The dynamic monitoring system is a patented design that allows the valve's monitor to cycle with every cycle of the valve. The 3-port, 2-position CROSSMIRROR® locks itself out in response to a fault in the valve. The valve remains locked-out until reset by maintenance or safety personnel. An anti-tie-down feature makes the reset function "tamper-proof" and a pressure switch option is available as a fault indicator. The CROSSMIRROR® with its unparalleled features is truly the next generation of double valves. Applications for these valves include press machinery, amusement park rides, metal shears, and safety-related applications where control reliability is a must.



### Cryogenic, Chemical Quick Disconnect Coupling

K Series Couplings have proved reliable in the handling of fluids that would deteriorate other types of seals, such as aromatic hydrocarbons, alcohols, esters, ketones, ethers, strong caustics, sulfuric acid and hydrofluoric acid. This coupling will handle families of fluids with widely varying chemical characteristics. K Series couplings are also designed to handle cryogenic fluids to -400°F.

## Our Mission

To provide our Customers the Best Value in Control, Instrumentation & Automation Products and Services.

*Serving Industry in Alabama, Mississippi, and Northwest Florida*

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