



# BV and TV Series: *The FUTURE is NOW*



## **BV AND TV VARIABLE DISPLACEMENT MOTORS**

complete with integrated electrohydraulic system & microprocessor control and many other available options allow a wide range of benefits when used to power advanced hydrostatic transmissions for heavy & light machineries.

## **BV AND TV SERIES: ADVANCED HYDRAULIC POWER TECHNOLOGY**

- **High Volumetric & Mechanical Efficiencies:** high hydromechanical efficiency (95%) and highest volumetric efficiency (99%).
- **Continuously Variable Displacement Over A Wide Speed Range:** extremely wide operational range for the machines (Overall efficiency >85% when motor @ 25% displacement).
- **Reduction In Energy Losses:** consequent decrease of fuel consumption.
- **Reduced Vibrations:** lower noise emissions, reduced vibration of the driving units.



Please contact  
Womack Machine Supply  
for more information:  
**1-800-569-9807**



The products we represent are carefully chosen to provide you with the utmost in quality, value and performance. Our stock of fluid power and automation control components is not necessarily limited to those shown in this list. We invite your inquiry on any item you do not see listed. Manufacturer's literature is available from these suppliers, and will be sent on request. Not all products available in every location.

**AAA Products International**

Pneumatic valves, 1/4" to 2", manual, pilot and solenoid operated; hydraulic driven drilling and tapping units.

**Air Hydraulics**

Index tables and presses.

**Air-Mite**

Pneumatic cylinders, valves and controls.

**Airoyal**

Small-bore air and hydraulic cylinders.

**Allied Witan**

Air exhaust mufflers.

**Anchor Fluid Power**

SAE connection flanges for hydraulic pumps, motors and valves.

**Anchor Lamina**

Low speed, high torque hydraulic motors.

**Auburn Gear**

Planetary gear boxes and swing drives.

**Balluff Inc.**

Sensors for industrial automation.

**Barrington Automation**

Grippers, linear actuators, table slides, escapements, rotary drives, and sensors.

**Beijer Electronics**

HMI's.

**Bosch Rexroth Corp.****- Hydraulics Business Unit**

Directional, flow and pressure control valves; vane pumps; proportional and servo valves; logic valves; custom manifolds; hydraulic cylinders; hydraulic power units. Sectional directional valves; gear pumps; low speed, high torque motors; open and closed loop piston pumps, motors and transmissions; heavy-duty gear boxes.

**- Pneumatic Business Unit**

Pneumatic cylinders, manual and solenoid operated directional valves, valve manifolds, bus systems, vacuum components, tubing and fittings, linear positioning units, rotary actuators, grippers, and accessories.

**- Drive and Control Business Unit**

Brushless AC servo drives and motors, single/multi-axis controllers, programmable logic controllers, slice I/O, human machine interface terminals, industrial computers, Windows CE based HMI, CNC controllers, linear motors, frameless motors, AC variable frequency drives.

**- Linear Motion and Assembly Technologies Business Unit**

Ball rail systems, roller rail systems, ball screws, belt drive actuators, ball screw actuators, ball bushings, cartesian motion systems, manual work systems, manual production systems, material and information flow technology.

**Brand Hydraulics Co. Inc.**

Flow dividers, combiners, priority flow control valves; mobile sectional valves; hand pumps.

**David Brown (Textron)**

Gear pumps and motors.

**BSF**

Pump/motor bell housings.

**CGI**

Inline planetary gearheads, right angle planetary gearheads, spur gearheads, right angle spur gearheads.

**KKD**

Pneumatic valves, cylinders and accessories.

**Clippard**

Miniature pneumatic valves, cylinders and fittings.

**Compact Automation**

Linear actuators, rotary actuators, cylinders.

**Contrex**

Digital motor speed controls.

**Daman Products Company Inc.**

Standard NFPA bar manifolds, custom circuit manifolds, and accessories.

**Danaher Precision Systems (IDC)**

Electric linear actuators, stepper/servo motors and drives, gearboxes.

**Delta Electronics**

AC variable frequency drives, programmable logic controllers, human machine interface terminals, brushless AC servo drives and motors, temperature controllers, encoders.

**Dragon Valves, Inc.**

High pressure needle and shut-off valves, manual and diaphragm operated.

**Duff Norton**

Mechanical actuators (screw jacks), electromechanical linear actuators, electric cylinders and rotating joints.

**Energy (Textron)**

Valves, cylinders, motors and hydraulic power units for mobile applications.

**Enerpac**

High pressure hydraulic hand pumps, power units and cylinders; work holding tools; directional valves.

**Enidine**

Goodyear air springs and actuators, hydraulic shock absorbers, wire rope isolators.

**Flow Ezy**

Hydraulic oil strainers and diffusers.

**Freelin-Wade**

Polyurathane, nylon, pvc, and specialty tubing.

**Global Manufacturing, Inc.**

Industrial hydraulic, pneumatic and electric vibrators.

**Granit Fluid Power (Victor Fluid Power)**

High pressure pumps, control valves and hand pumps.

**J.D. Gould Company, Inc.**

2-Way solenoid shut-off valves.

**Hagglunds**

Motors, controls, valves.

**Haldex (Barnes)**

Gear pumps and motors, gear type flow dividers, AC & DC hydraulic power units.

**Haskel**

Air driven pressure intensifiers, gas boosters, air amplifiers, high pressure valves, accumulators and regulators.

**Hays**

2-Way solenoid valves.

**Hedland**

Mechanical and electronic flow meters.

**Hub City**

Shaft and motor driven pump drives.

**HYDAC**

Accumulators, pipe/hose clamps, in-line and tank mounted filtration, off-line filtration units, and on-line fluid analysis equipment; high pressure ball valves, check, flow and needle valves; cartridge valves, pressure transducers, heat exchangers, and high pressure power units.

**HydraForce**

Cartridge valves for pressure, flow and directional control, manually, solenoid, and proportionally operated, sandwich and line mounted; custom hydraulic manifolds.

**Hydratech/CRC**

Custom hydraulic cylinders.

**Hydrocraft Inc.**

Hydraulic reservoirs and accessories.

**HyPneuMat**

Production drilling and tapping units.

**Jefferson Valves**

Solenoid valves, level controls.

**Jiffy Products**

High production drilling and tapping units; threading machines.

**Kocsis Technologies**

Hydraulic starting systems, accumulators, mobile valves.

**LDI Industries (Lube Devices)**

Oil reservoir sight level gauges.

**Lexair (Beckett)**

3- and 4-Way hydraulic and pneumatic directional valves, manual and solenoid operated.

**Louis Allis**

Electric motors.

**Magnaloy**

Pump/motor bell housing adaptors and shaft couplings.

**Magnum**

Filters.

**Master Machine**

Machine slides.

**Mecman**

See Bosch Rexroth Corp. - Pneumatic Business Unit.

**MICO**

Hydraulically operated brakes.

**Microtronics, Inc.**

Radio remote controls and actuators, proportional valve amplifiers.

**Mitsubishi Electric**

Automation equipment.

**Norstat**

Control automation products.

**Power Rein**

Rotary sheer type pneumatic valves.

**PQ Controls**

Single and multi-axis electronic joystick, proportional valve amplifiers, electronic level controls.

**Prince Manufacturing Corp.**

Hydraulic cylinders, valves, pumps, motors, and hydraulic accessories.

**Pyromation**

Thermocouples, RTDs, thermo-wells and accessories.

**Racine**

See Bosch Rexroth Corp. - Hydraulics Business Unit.

**Rineer Hydraulics**

Single and two-speed hydraulic vane motors.

**RKI, Inc. (Rawson-Koenig)**

Cranes and winches.

**SAI Hydraulics, Inc.**

Radial piston motors, planetary ger reducers, rotary actuators, rotary manifolds

**Schroeder**

Filtration and fluid conditioning.

**Sprecher + Schuh**

Low voltage contactors, relays, starters, switches, terminals and controllers.

**Stauff**

Clamps, diagnostics, filtration, fittings/flanges and valves.

**Sterling**

Water modulating valves for temperature control.

**Stober**

Inline gearheads, right angle/hollow output gearheads, geared motors, speed reducers and mechanical variable speed drives.

**Sun Hydraulics**

Cartridge type pressure, flow and directional control valves; solenoid operated; line, subplate and sandwich mounted; custom manifolds.

**Telco U.S.A.**

Reflective photoelectric sensors, through beam photoelectric sensors, fiberoptic sensors, light curtains.

**Thermal Transfer Products (ThermaSys)**

Air and water cooled heat exchangers.

**Tolomatic**

Electric linear and pneumatic actuators, gearboxes, brakes.

**WABCO**

See Bosch Rexroth Corp. - Pneumatic Business Unit.

**Wago**

DIN-rail, terminal blocks and signal conditioners.

**Walvoil**

Mobile type monoblock and sectional directional valves.

**Webtec Products**

Hydraulic test equipment.

**White Hydraulics, Inc.**

Low speed, high torque gerotor hydraulic motors, motor/brakes and flow dividers.

**Wika**

Pressure gauges and transducers.

**Wilkinson**

Air line filters, regulators, lubricators, dryers and accessories.

**Wittenstein**

Gearboxes, actuators, motors, control loading systems.

**Womack Systems**

Hydraulic power units and automation control systems.

**Zero-Max**

Couplings, shaft bushings, torque limiters, drives, linear actuators and load adaptors.