

# PNEUMATIC EQUIPMENT

## **Manufacturers Represented**

## CONTROL AIR. INC.

Instrument air filters and regulators, Electropneumatic Transducers (I/P, E/P); Diaphragm cylinder; Custom pneumatic devices.

#### DYNAMIC

Pressure gauges and test points ball valves, flow controls, check valves.

#### **EATON - VICKERS**

NFPA, Stainless Steel and non-rotating cylinders.

#### **EFDYN**

Pneumatic shock absorbers, rotary, dashpots and elasomer bumpers for industrial and mobile applications.

#### FOSTER MANUFACTURING

Quick connect couplers; push-on and recoil hose and adapters.

#### FREELIN WADE

Nylon, polyethylene, PVC tubing and coiled assemblies

## **HUMPHREY PRODUCTS. CO.**

Directional control valves, manual and solenoid operated; shuttle and quick exhust valves; stainless steel cylinders; custom design manifolds and packaged systems.

#### MICRO-PRECISION

Single and double vane rotary actuators.

#### MONNIER

Special pnuematic filters, regulators and lubricators.

#### NORGREN

Directional control valves, manual and solenoid operated: manifold valve packages, filters, regulators and lubricators; cylinders, tie rod and round type, stainless steel. Fittings, tubings and accessories.

#### NOSHOK

Norgren

Humphrey

**MUFFLERS** 

Norgren

Norgren

Monnier

· Control Air, Inc.

· Versa Products

Pressure gauges; diaphragm seals and accessories; prssure transmitters, transducers and switches: bimetal thermometers: needle valves and solenoid valves.

#### **NYCOIL**

Brass and plastic adapters; pneumatic tubing; ball valves and quick couplers.

#### REGO CRYO-FLOW PRODUCTS

Flow control valves to 1 inch: check valves available in brass, carbon steel and stainless steel.

#### SPRAGUE PRODUCTS

Air driven pumps for liquids to 33,000 psi; gas booster to 10,000 psi.

#### TOL-O-MATIC, INC.

Linear and rotary actuators; rodless cylinders; caliper disc brakes, clutches and right angle gear boxes.

#### VERSA PRODUCTS

Directional control valves, brass stainless steel and aluminum; manual, air pilot and solenoid operated: explosion proof solenoids for Oil & Gas production; shuttle and check valves in brass and stainless steel.

## PRODUCT LIST

MANIFOLD PACKAGES

#### **BOOSTERS & INTENSIFIERS**

Sprague

#### **CYLINDERS**

- Norgren
- Humphrey
- · Eaton Vickers

## **FILTERS**

- Norgren
- Monnier

#### F-R-L UNITS

- Norgren
- Monnier

#### **GAUGES**

- NoShok
- Norgren

#### **LUBRICATORS REGULATORS**

- Norgren
- Monnier

#### **ROTARY ACTUATORS**

- Tol-O-Matic
- Norgren
- · Micro-Precision

#### SHOCK ABSORBERS

EFDYN

#### **VALVES (Directional Control)**

- Norgren
- Humphrey
- Norgren
- NoShok

## VALVES (Flow Control/Check)

- Rego
- NoShok
- Humphrey



# HYDRAULIC EQUIPMENT

## Manufacturers Represented

#### ACCUMULATORS, INC.

Top and bottom loading bladder accumulators rated to 6,000 psi.

#### **AIR SENTRY**

Breather caps to remove water, solid particles and other contaminants from air

#### BEHRINGER CORPORATION

Pipe, hose and tubing clamps to 30" diameter; High pressure ball valves from 1/4" to 2" rated to 6,000 psi. Mahle Filters that include: low, medium and process filters; Automatic back-flushing and metal-edge filters.

#### **BUCHER / MONARCH HYDRAULICS**

AC/DC hydraulic power units; ergonomic height adjusted systems for industrial workstations.

#### **CROSS MANUFACTURING**

Hydraulic pumps, motors, directional control valves, tie rod and welded-type cylinders, gear pumps and motors for the agricultural market.

#### **DANFOSS INDUSTRIAL CONTROLS**

Low pressure brass body Industrial Valves, pressure and temperature transducers and switches.

#### DAMAN

Hydraulic valve manifolds, cover plates, valve adaptors and subplates.

#### **DINAMIC OIL**

Hydraulically driven planetary winches and gearboxes

#### D.M.I.C.

Reservoir accessories; SAE port flanges; Gauges and high pressure ball valves.

#### DONALDSON

Hydraulic filters, assemblies, heads, spin-ons and replacement cartridges for industrial and mobile applications.

#### DURST

Engine and front mount pump drives; Single, multiple, and direct drive to 950 horsepower.

## EATON HYDRAULICS

Light, medium and heavy duty hydrostatic transmissions and associated controls; Fixed & variable displacement piston pumps & motors, gear pumps & motors; Remote control & directional control valves.

#### CHAR-LYNN

Low speed high torque motors ranging from 2.4 cu. inches to 48 cu. inches; Steering Control Units ranging from 1.9 cu. in. to 185 cu. in.

#### • DURAFORCE

 $\mbox{\rm High pressure}$  axial piston motor for closed and open loop systems.

## HYDROKRAFT

Variable and fixed displacement piston pumps and motors rated to  $6{,}000$  psi with sizes up to 750 cc.

#### VICKERS

Piston, vane pumps and motors; filtration, Directional, pro portional, servo, pressure and flow control valves.

#### INTERNORMEN

Industrial and mobile low, medium and high pressure filters; Portable automatic particle counters; Fluid filtration transfer units; Fluid cleanliness evaluation services.

#### VICKERS CYLINDERS

Industrial tie rod cylinders, NFPA and custom with optional electrical position sensors.

#### **EMERSON**

Rotary & linear valve actuators; Hydraulic, electrohydraulic, computer-hydraulic controls and power units.

#### **EMMEGI**

Heat exchangers for hydraulic installations offering a complete line of standard and special heat exchangers for all applications.

#### ESKRIDGE, INC.

Planetary drive gearbox rated to 1 million in. lbs. of torque thru-shaft, 2 speed and wheel drives.

#### GEARTEK

Hydraulic gear pumps and motors; displacements up to 18.91 cu. inches, pressure ratings up to 4000 psi.

#### GRACO

Manual & Automatic Lubrication Systems. Pneumatic, Electric (AC/DC), & Hydraulic.

#### HAYDEN INDUSTRIAL PRODUCTS

Standard and ASME air to oil and shell and tube heat exchangers.

#### **HEDLAND**

Flow meters, and pressure transducers, designed to measure flow of oil, water, air and other compressed gases.

#### **HETRONIC**

Radio operated remote controllers; Push button or joystick control for directional and proportional control.

#### HUSCO

Mobile directional control valves; Single or multi-axis hydraulic remote joysticks.

## HYDRAQUIP CUSTOM SYSTEMS, INC.

Turnkey hydraulic, pneumatic, and electrical system design & fabrication for industrial & mobile applications.

## HYDRO LEDUC

Specialist of high performance hydraulic components and fixed bent axis motors.

#### KOCSIS TECHNOLOGIES

Comprehensive hydraulic starting product line for fast, powerful and dependable engine starting.

#### MAGNALOY

Flexible shaft couplings; Pump-to-motor mounting adaptors, hydraulic valve manifolds; Cover plates, adaptors and subplates.

#### MICO, INC.

SAE mount multiple and caliper disc brakes; Brake valves and brake related accessories.

#### NOSHOK

Pressure and temperature gauges and transducers pressure switches, stainless steel flow controls.

#### PANOLIN

100% synthetic, biodegradable, non-toxic fluids. 100% synthetic biodegradable gear oils C. NSF certified H1 food grade lubricant.

#### PEPPERL+FUCHS

Electrical sensors that include inductive, capacitive, photoelectric, ultrasonic, special applications, and intrinsically safe proximity type sensors.

#### REGO CRYO-FLOW PRODUCTS

Hydraulic flow control valves and check valves available in brass, carbon steel and stainless steel.

#### RINEER HYDRAULICS

A range of fixed and variable displacement motors from 5 in  $^3$  to 250 in  $^3$ ; Compact in size with horse-power ratings to 600.

### ROTARY POWER/RHL HYDRAULICS

Low speed, high torque radial piston hydraulic motors to 1,700 horsepower.

#### SCHROEDER INDUSTRIES

High efficiency hydraulic and lube oil filters; Pressure filters rated to 6,000 psi; Filter carts, vacuum dehydrators and diagnostic equipment.

#### SPAN

Liquid filled gauges & temperature compensation.
Essential in Sub Sea or ROV deep water applications & also Industrial & OEM applications. NIST certification available.

#### SPRAGUE PRODUCTS

Air driven pumps for liquids to 33,000 psi; Gas boosters to 10,000 psi.

## STAR HYDRAULICS

Hand and foot pumps; Single and two speed with pressures to 15,000 psi; Custom cylinders and rams.

## STAUFF CORPORATION

Pipe, hose and tubing clamps to 30" diameter; High pressure ball valves from 1/4" to 2" rated to 6,000 psi; gauges and pressure test points.

## THERMAL TRANSFER

Air to oil, shell and tube and brazed plate heat exchangers for industrial and mobile applications.

#### **TOBUL ACCUMULATORS**

Piston and bladder-type accumulators with capacity to 200 gallons and pressures to 10,000 psi.

#### **TUTHILL PUMP COMPANY**

Pumps to 200 GPM for lubrication and transfer applications; magnetic drive pumps to 84 GPM; Test plugs for air conditioning & heat exchanger industry.

#### VESCOR

Standard JIC and custom-designed reservoirs and accessories; pump mounts and couplers.

#### VOITH

High performance and extremely quiet internal gear pumps to over 100 GPM.

## **VON RUDEN**

Rol-seal and axial vane hydraulic motors.

## WANDFLUH OF AMERICA

Directional, pressure and flow and proportional control valves with flows from .005 to 300 GPM; Zero leak solenoid valves and digital electronic products.

## **WILKES & McLEAN**

Noise and hydraulic shock suppressors in line sizes from 3/8" to 3"; 3000 psi and 5000 psi models.



# **HYDRAULIC EQUIPMENT**

## **Product List**

## **ACCUMULATORS**

- Tobul
- · Accumulators, Inc.
- Eaton

## **BRAKES**

- Mico
- Tol-O-Matic

#### **CLAMPS**

- Stauff
- Behringer

## **CONTROLS**

- Eaton-Vickers
- Hetronic

## **COUPLINGS**

Magnaloy

### **CYLINDERS**

- Eaton-Vickers
- Cross

## **FILTERS**

- Eaton-Internormen
- Donaldson
- Marvel
- Behringer / Mahle
- Flow-Ezy
- Schroeder
- Stauff
- Air Sentry

## **FLOW METERS**

- Hedland
- Webtek
- Stauff

#### **GAUGES**

- NoShok
- Dynamic
- Span
- Stauff

## **GEAR BOXES**

- Eskridge
- Dinamic Oil
- Durst
- Von Ruden

### **HAND PUMPS**

• Star

## **HEAT EXCHANGERS**

- Thermal Transfer
- Hayden Industrial Products
- Emmegi

## **HYDROSTATIC TRANSMISSIONS**

- Eaton
- · Eaton-Hydrokraft
- DuraForce
- Hydro Leduc

#### **LUBRICATION**

Panolin

## **MANIFOLD PACKAGES**

- Magnaloy
- Daman
- Hydraquip Custom Systems, Inc.

## **MOTORS (High Speed)**

- Eaton
- · Eaton-Hydrokraft
- DuraForce
- Hydro Leduc
- GearTek

## **MOTORS (Low Speed)**

- Eaton Char-Lynn
- Rineer
- Rotary Power
- Von Ruden

## **NOISE & SHOCK SUPPRESSORS**

- Wilkes & McLean
- Tobul
- · Accumulators, Inc.

## PIPE AND TUBES

- Stauff
- Behringer

## **PLANETARY WINCHES**

- Dinamic Oil
- Ramsey

#### **POWER UNIT ACCESSORIES**

- Magnaloy
- Vescor
- D.M.I.C.
- Donaldson / LHA

## **POWER UNITS**

- · Hydraguip Custom Systems, Inc.
- Eaton-Vickers
- · Bucher / Monarch

## **PUMPS (Air Operated)**

Sprague

## **PUMPS (Hydraulic)**

- Eaton
- Eaton-Vickers
- Cross
- DuraForce
- Geartek
- Graco
- Voith

## **ROTARY ACTUATORS**

- Damcos
- Micro Precision

#### **SENSORS**

- Danfoss LUD Hydraulics
- Pepperl & Fuchs

## **SHOCK ABSORBERS**

• Efdyn

## STEERING UNITS

• Eaton Char-Lynn

## **VALVES** (Cartridge)

- Eaton-Vickers
- Wandfluh

## **VALVES (Directional)**

- Eaton-Vickers
- Cross
- Wandfluh
- Husco

## **VALVES (Flow Control & Check)**

- Eaton-Vickers
- Rego
- NoShok
- Wandfluh

## **VALVES (Pressure Control)**

- Eaton-Vickers
- Wandfluh

## **VALVES (Servo & Proportional)**

- Eaton-Vickers
- Wandfluh
- Husco

## **VALVES (Ball)**

- D.M.I.C
- Rotelmann
- Stauff