



# pneumatic and hydraulic SYSTEMS



Pneumatic & Hydraulic Co. is a premier supplier of pneumatic, hydraulic, filtration and motion control products. For more than 50 years, we have provided a comprehensive line of products backed by strong, personal customer service. We are a leading supplier of the top brands including Haskel, Butech, Graco, SMC, Sheffer, Master Pneumatic, Hawe and Schunk to name a few. SHARP Certified, Pneumatic & Hydraulic Co. is committed to being a comprehensive source for quality products 24 hours a day, 7 days a week, 365 days a year.



## Gauge Calibration Stand

This table-top, multi-gauge calibration stand includes a pump for fast fill and a hand intensifier for extreme pressure accuracy. The digital pressure display allows the operator to adjust the settings for maximum accuracy.



## Dual Pump Cabinet with Data Acquisition

This unit is a High/Low pump system providing high flow low pressure filling and high pressure low flow pressurization all assembled in an enclosed cabinet for safety. An optional digital pressure display with data-logging is available for easy reading and test recording.



## High/Low Hydraulic Test Skid

This skid mounted system boasts a large volume reservoir with dual parallel air operated pumps for high flow, high pressure hydraulic power. Multiple outlets are controlled with manual 4-way directional control valves.

Custom solutions available upon request. **Contact Us for your same day quote – 800-762-8328**

**WE CAN HANDLE THE PRESSURE!!**



**Complete Turn Key Valve Test Package**

These packages include a number of smaller sub-assemblies to satisfy multiple test requirements. The first sub-assembly includes a large stainless steel reservoir with a separate filtration loop with a high flow pump and filter to maintain fluid cleanliness. The second sub-assembly is a complete manual or remote-controllable pump and valve cabinet which generates and controls liquid and/or gas pressure. The third sub-assembly is a valve manifold for pressure distribution to multiple parts or areas of a test part.



**Multiple Valve Test Cabinet**

Our enclosed pressure test cabinets include pumps, controls and manual valves for pressurization and distribution to multiple outlets. An optional reservoir is also available.



**Portable Test Cart**

An economic and simple portable solutions that includes a pump and air controls with pressure indication put together in a convenient mobile package. A reservoir and/or circular pressure chart recorder are available as options.



**Portable Offshore Test Cart**

These carts are made of 3/16" stainless steel and can be mounted on stainless steel casters for mobility. They include a reservoir, pumps and controls. An optional engraved front control for your system schematic can be added.

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### **Downhole Tool Test System**

Our tool test systems can be set up for testing single or multiple sections of a tool to the same or varying pressures. This type of system includes a return fluid line to assure filling of the tool remotely, as well as an optional air blow-down circuit to expedite the fluid removal from the tool once the test is complete. This system can be controlled manually, or remotely and test data can also be data-logged and printed out in graph format if desired.



### **Remote Control Pump Skid**

These remote controlled pump and valve racks can be manually operated or fully automated depending on your needs. They are available with reservoirs, various pumps for a variety of pressures, and air operated valves for multiple outlets.



### **Dual Air Amplifier System**

Single and dual air amplifiers with controls are packaged on an A.S.M.E. air tank of various volumes, to deliver short term high pressure air for point of use application where the plant air may be too low for efficient operation of pneumatic cylinders or tools.



### **Accumulator Charging Skid**

These nitrogen booster systems are used for charging existing accumulators, and include all of the air and gas controls required for repeatable and safe un-attended operation. With the addition of accumulators, they can be customized to fit your application.

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### **Hydrostatic Test and Gas Charging Cabinet**

Test cabinets are available for hydro-testing or gas testing. They can also be combined into one assembly to provide both. The gas section can also be used for charging and pressurizing devices with nitrogen gas. The cabinet can be supplied with lifting eyes and/or carters for added portability.



### **Oxygen Bottle Filling Station**

These gas booster systems are cleaned for oxygen use and are available for pressures up to 5,000 psi. They are available with single or multiple outlets in a manifold arrangement with individual controls for bottle filling applications.



### **Dual Pressure Hydraulic Power Unit**

This hydraulic power unit includes a 6,000 psi and a 15,000 psi circuit. Each circuit has triple outlets, pressure regulators, and accumulators to provide accurate testing and control. A NAS-6 filtration loop ensures the on-board, 100 gallon reservoir remains clean for component longevity. Electrically driven hydraulic pumps are paralleled with air driven Haskel pumps for complete redundancy.



### **NAS6 Filter Cart**

These carts can be supplied for water or oil and include a high volume circulation pump and multiple filters for fast and efficient cleaning of reservoir fluids.

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**Portable Hand Pump Test Pack**

The hand pump test pack is a small, pressure test package that can be operated by hand or with plant air pressure. It is light weight and includes a small reservoir and all the control features needed to run a pressure test.



**Gas Booster System**

Gas systems are available to pressurize a variety of gases to high pressures and are offered in different styles to meet your application. They are available as a single booster system or up to a 3-stage type system and can be packaged in open type frames or enclosed, portable cabinets. Several boosters can also be combined in parallel for higher flow requirements.



**Gas/Hyd Pump System**

This system has a gas booster circuit with controls for gas testing of actuated valves. Included with this type of system is an oil pump with reservoir to actuate a valve under pressure and/or for testing of both sides of a valve.



**PHC Data Acquisition System**

A single point, self-contained, data logging system that records pressure transducer values.



**Portable Dual Pump Pack**

For testing applications that require portability and high flow, high pressure performance, these pump packs are an economic and easy to transport solutions. The pumps can be set up in a high volume, low pressure arrangement, a low volume, high pressure style or even with two identical pumps in parallel for added flow capability. Air controls are included, along with the outlet pressure components needed to for testing.

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## REMOTE CONTROL SYSTEMS

These systems can be packaged in a variety of styles, from open frame to enclosed cabinet depending on your installation and operational requirements.



**Remote Gas/Liquid Test System**



**Remote Control Bunker System**



**High/Low Pump Skid with Electronic Remote Control**



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