

# PRODUCT OVERVIEW



**HYDRONIC**  
Air-Driven Hydraulic Pumps & Power Packs



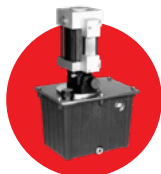
  
MONNIER  
COMPANIES

# PUMPS



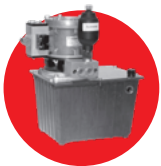
## P720 SERIES

- Single acting pneumatic/single acting hydraulic
- Ideal for operating single acting hydraulic cylinders
- 10,000 PSI maximum hydraulic pressure
- Up to 2 GPM flow
- Can be controlled by means of a hand wheel on the pump (P720M version) or with pneumatic remote control (P720A version)
- Five intensification ratios available



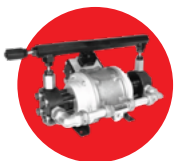
## P801 SERIES

- Single acting pneumatic/single acting hydraulic
- Compact
- 6,500 PSI maximum hydraulic pressure
- Up to 2.5 GPM flow
- Available in stainless steel
- Six intensification ratios available



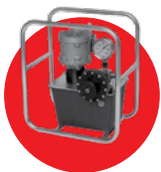
## P820 SERIES

- Double acting pneumatic/double acting hydraulic
- ATEX Certified (II 2GD cIIB TX)
- 4,000 PSI maximum hydraulic pressure
- Up to 6 GPM flow
- Smoothing kits available
- Air pilot release
- Five intensification ratios available



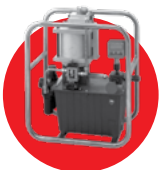
## P825 SERIES

- High performance, double acting pneumatic drive section
- 26,500 PSI maximum hydraulic pressure
- Up to 0.7 GPM flow
- Available in stainless steel
- Four intensification ratios available



## P826 SERIES

- Double acting pneumatic/single acting hydraulic
- Available with wall brackets for line mounting; flanges for tank mounting
- ATEX Certified (II 2GD cIIB TX)
- 26,500 PSI maximum hydraulic pressure
- Up to 0.5 GPM flow
- Five intensification ratios available



## P830 SERIES

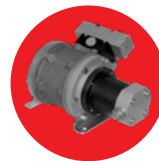
- Double acting hydraulic/double acting pneumatic
- 50,000 PSI maximum hydraulic pressure
- Up to 0.2 GPM flow
- Four intensification ratios available



## P901 SERIES

- Double acting pneumatic/single acting hydraulic
- Designed to be used in conjunction with manifolds utilizing cartridge valves or DO3 type valves
- Modular construction and small envelope size
- 10,000 PSI maximum hydraulic pressure
- Up to 1 GPM flow
- Seven intensification ratios available

# BOOSTERS



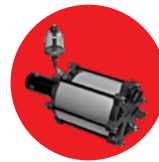
## B822 SERIES

- Continuous cycle, air-air booster
- Single acting, high pressure pneumatic pump with a double acting piston
- Raises the inlet pressure according to the chosen multiplication ratio
- Automatically compensates for leaks while maintaining the desired pressure
- Powered by compressed air to compress air or other gases
- 2,030 PSI maximum pressure
- Four intensification ratios available



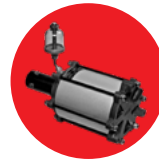
## M840 SERIES

- Compact, single acting air-oil booster
- Air is supplied to the pneumatic circuit by means of a 3-way, 2-position air valve, with pneumatic piston return provided by a strong coil spring
- Transparent oil container for easy visual inspection of the oil level
- 3,900 PSI maximum hydraulic pressure
- Four intensification ratios available



## M845 SERIES

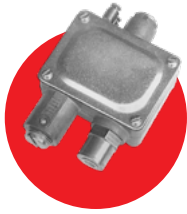
- Single acting air-oil booster
- Air is supplied to the pneumatic circuit by means of a 3-way, 2-position air valve, with pneumatic piston return provided by a pair of strong coil springs
- Transparent oil container for easy visual inspection of the oil level
- 10,000 PSI maximum hydraulic pressure
- Cost effective method of developing high pressure hydraulics
- Four intensification ratios available



## M850 SERIES

- Large, double acting air-oil booster
- Air is supplied to the pneumatic circuit by means of a 5-way, 2-position air valve
- Transparent oil container for easy visual inspection of the oil level
- 6,400 PSI maximum hydraulic pressure
- Four intensification ratios available

# ACCESSORIES



**A880  
Pressure  
Switch**



**P820  
Smoothing  
Kit**



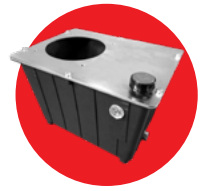
**Manifold  
Blocks**



**Air  
Preparation**



**Hydraulic  
Gauges**



**Reservoirs**

## Sample Applications:



**Material  
Handling**



**Pressure  
Sustaining**



**Water  
Hydraulics**



**Intermittent  
Operations**



**Filter  
Presses**



**Tire  
Presses**



**Clamping**



**Hazardous  
Areas**



**Multiple Fluids  
Including Skydrol**



**High Pressure  
Testing**



**Portable  
Equipment**



**Workholding**

## WHY HYDRONIC?

### Hydronic Offers:

- Seven pump and four booster product families varying in flow and pressure
- Wide range of accessories
- The resources to engineer and manufacture custom hydraulic power units for a wide range of industries
- A simple, modular design that allows these pumps to have fewer parts making them easier to service
- Horizontal and vertical mounting versatility that allows them to be easily integrated into a variety of systems

### Why Air Powered?

- Lower energy consumption
- No heat build up from wasted energy when holding pressure
- Intrinsically safe drive section
- Sealed pump elements for brake fluid, Skydrol, even water
- Smaller envelope size and less oil needed



TMC21



**HYDRONIC**

**Air-Driven Hydraulic Pumps & Power Packs**

*P.O. Box 409  
2034 Fruit Street  
Algonac, MI 48001  
Phone: 810.794.4935*

*[hydroniccorp.com](http://hydroniccorp.com)  
[themonniercompanies.com](http://themonniercompanies.com)*