

P826 Hydraulic Pump SERIES

Hydraulic Power
Hydronic Power
Horse Power **HP³**

HYDRONIC

Hydraulic Pumps and Power Packs

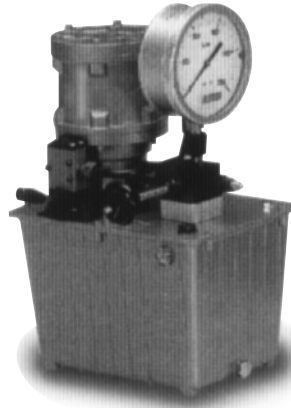
This high-pressure P826 Series pump is used in conventional hydraulic power units as well as special purpose testing machines. The air motor piston assembly is guided by graphite impregnated bearing rings. The hydraulic piston is sealed and supported by three bronze filled PTFE seals. Used with the pressure release valve accessories on a 2½ gallon reservoir, the P826 Series provides complete power units for single acting cylinders such as clamps and fixtures.

The ultra strong components of the hydraulic chamber make the P826 Series ideal for long-term pressure sustaining applications such as burst testing and nondestructive testing up to 26,500 psi. Stainless steel versions are available for demineralized and deionized water for use on electrical discharge machines and in the semiconductor industry.

Extending the P820 Series at the two horsepower level, the P826-65 and-120 models provide hydraulic performance up to 5,000 psi and 10,000 psi, respectively, for general purpose fluid power circuits such as clamping, workholding, materials handling and small presses. Especially suitable for production riveting and punching power units, the P826-65 is also used to boost pressures in larger hydraulic circuits such as tire presses during the curing cycle.

Hydronic Corporation specializes in designing and manufacturing complete power units utilizing this series of pumps. Applications include material handling equipment, expanding mandrels and arbors, tire presses, valve actuators, bending machinery, workholding, clamping, and many other traditional fluid power applications.

P826 Series, Model 826M, with 2½ gallon tank and manual release valve to allow pressure oil safely back to tank.



P826 Series, Model 826A, with 2½ gallon tank and pilot operated pressure release valve. Remote air pilot releases pressures up to 26,500 psi safely back to tank.

Hydronic P826 Series Pumps

- High performance, double acting pneumatic drive section
- Excellent for high pressure fluid power or clamping circuits
- Manual or pilot operated pressure release valve releases oil back to tank
- No directional valves are needed for single acting actuators
- INOX version available for water applications
- Ultra-high pressure ratings are excellent for material and hydrostatic testing

P826 Pump Model	P826-65	P826-120	P826-170	P826-265
Air Pressure psi (bar)	20-100 psi (1½-7)			
Pressure Ratio	1 : 65	1 : 120	1 : 170	1 : 265
Max. Oil Pressure psi (bar)	6,500 (450)	12,000 (827)	17,000 (1,172)	26,500 (1,827)
Noise Level	78-80 dB @ 1 meter			
Weight – Pump Only lbs. (Kg)	40 lbs. (18)			
Weight with reservoir lbs. (Kg)	52 lbs. (24)			

Note: Always fit an air filter/regulator with 40 micron rating and 50 scfm capacity.

Hydronic P826 Series Ordering Code

Select specifications from the table and build an ordering code number, as shown in the sample.

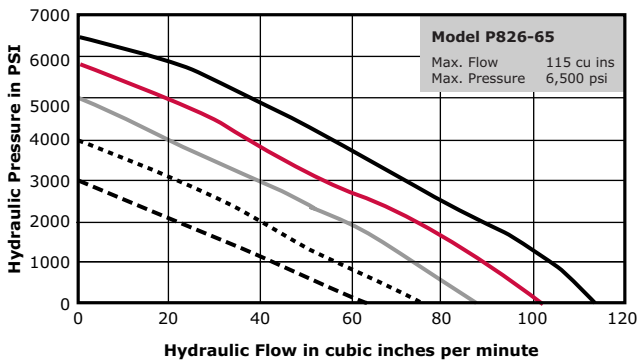
PUMP STYLE	MODEL	RATIO	SEAL	MOUNTING
	P826P-65		N	O
No Valve (P)	P826P	1:65	N = Nitrile	O = Basic Pump
Manual Release Valve (M)	P826M	1:120	INOX = Water Applications	W = Wall Bracket
Air Pilot Release Valve (A)	P826A	1:265	V = Viton	T = Tank Top Flange
			E = EPR	R25 = 2½ gallon tank

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Flow and Pressure Performance Guides

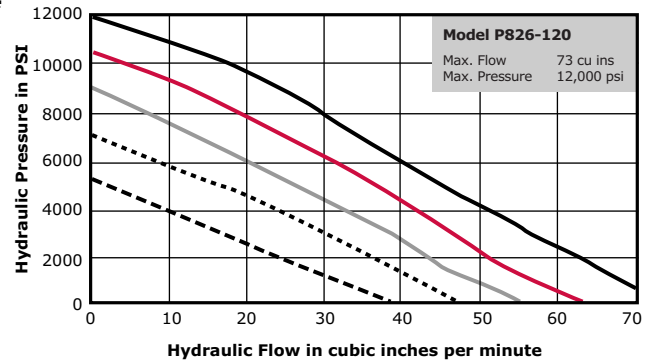
P826-65 Fluid Flow Against Pressure



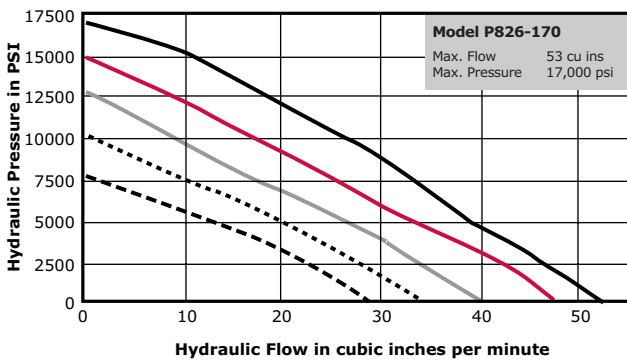
Air Pressure at:

- 100 psi ———
- 90 psi ———
- 75 psi ———
- 60 psi ·····
- 45 psi - - - -

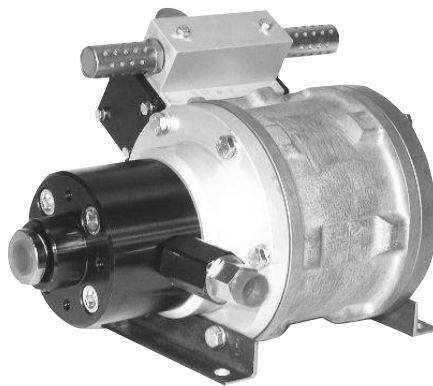
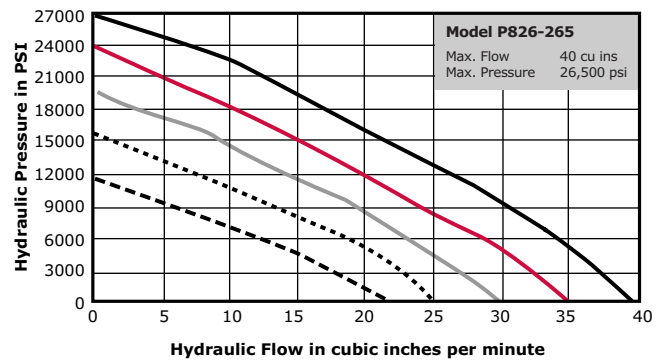
P826-120 Fluid Flow Against Pressure



P826-170 Fluid Flow Against Pressure



P826-265 Fluid Flow Against Pressure



**P826 Series,
Model P826-65-N-W-SAE
Used on tire presses**

