

**Versa-Twin™**

**Versatility in Plunger or Diaphragm Designs**



W W W . H Y P R O P U M P S . C O M

# Versa-Twin™

## Versatility in Plunger or Diaphragm Designs

- Ideal for transferring a variety of fluids in applications such as carpet cleaning, pest control, turf spraying and many others
- PBT polyester pump body and head provide excellent chemical resistance
- Lightweight construction is ideal for mobile applications
- Robust motor, pump design and crank drive with hardened components provides long life without servicing
- 4 point - 3/4" NPT flynut ready inlet/outlet allows for greater flexibility in plumbing, easy installation, draining and maintenance
- Sealed bearings require no maintenance
- Plunger models include ceramic plungers and diaphragm models include polyurethane diaphragms for resistance to chemicals and wear
- Diaphragm models will run dry

### LOW AMP



#### Plunger Model 2120P-P18DC

12V DC Electric Motor (@ 13.5 VDC) • Max Flow: 2.7 gpm • Max Pressure: 150 psi

### HIGH AMP



#### Plunger Model 2120P-P35DC

12V DC Electric Motor (@ 13.5 VDC) • Max Flow: 2.9 gpm • Max Pressure: 300 psi

#### Diaphragm Model 2150P-D35DC

12V DC Electric Motor (@ 13.5 VDC) • Max Flow: 7.0 gpm • Max Pressure: 100 psi



#### Plunger Model 2120P-P39DC

12V DC Leeson™ Motor (@ 13.5 VDC) • Max Flow: 2.9 gpm • Max Pressure: 300 psi

#### Diaphragm Model 2150P-D39DC

12V DC Leeson™ Motor (@ 13.5 VDC) • Max Flow: 8.3 gpm • Max Pressure: 100 psi

### AC



#### Plunger Model 2120P-P05AC

110/220V, 50/60Hz AC Electric Motor (@ 115 VAC) • Max Flow: 2.5 gpm • Max Pressure: 300 psi

#### Diaphragm Model 2150P-D05AC

110/220V, 50/60Hz AC Electric Motor (@ 115 VAC) • Max Flow: 6.7 gpm • Max Pressure: 100 psi

### GAS ENGINE



#### Plunger Model 2120P-P55GE

5.5HP PowerPro™ Gasoline Engine – 2:1 Reduction • Max Flow: 2.9 gpm • Max Pressure: 300 psi

#### Diaphragm Model 2150P-D55GE

5.5HP PowerPro™ Gasoline Engine – 2:1 Reduction • Max Flow: 7.0 gpm • Max Pressure: 100 psi



### Plunger Pumps

	0 PSI		50 PSI		100 PSI		150 PSI		200 PSI		250 PSI		300PSI	
	GPM	AMPS*	GPM	AMPS*	GPM	AMPS*	GPM	AMPS*	GPM	AMPS*	GPM	AMPS*	GPM	AMPS*
2120P-P18DC	2.7	8.9	2.1	12.5	2.0	15.7	2.0	19.1	–	–	–	–	–	–
2120P-P35DC	2.9	9.9	2.4	14.4	2.4	17.9	2.2	21.3	2.2	24.5	2.1	27.8	2.0	31.1
2120P-P39DC	2.9	10.7	2.7	14.3	2.6	18.0	2.4	21.7	2.3	25.4	2.2	29.1	2.0	32.8
2120P-P05AC	2.5	7.7	2.4	7.8	2.3	7.9	2.2	8.0	2.1	8.0	2.0	8.1	2.0	8.2
2120P-P55GE	2.9	–	2.6	–	2.5	–	2.4	–	2.3	–	2.3	–	2.2	–

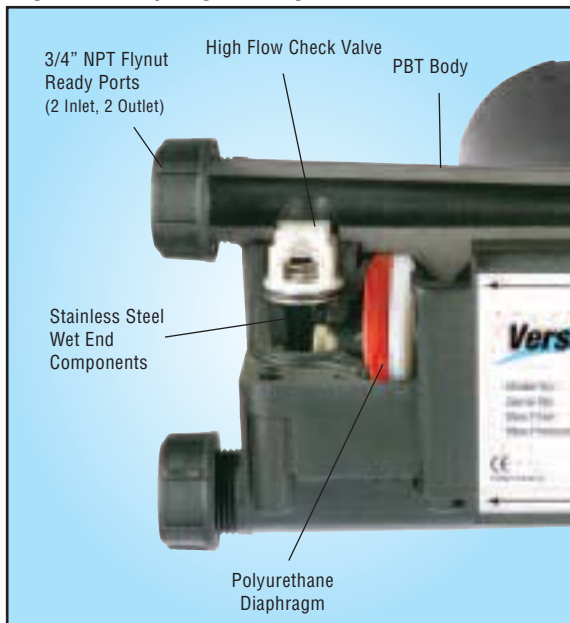
\* Amps @ 13.5 VDC

### Diaphragm Pumps

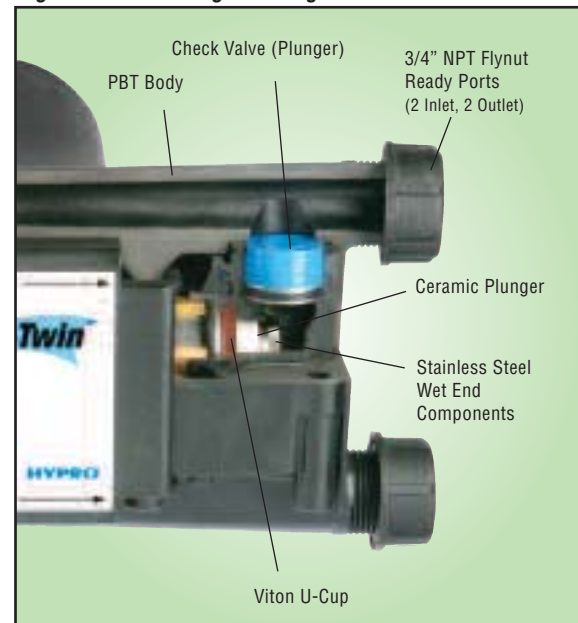
	0 PSI		20 PSI		40 PSI		60 PSI		80 PSI		100 PSI	
	GPM	AMPS*	GPM	AMPS*	GPM	AMPS*	GPM	AMPS*	GPM	AMPS*	GPM	AMPS*
2150P-D35DC	7.0	12.9	6.6	17.2	6.0	22.3	5.6	26.8	5.2	31.2	5.0	35.3
2150P-D39DC	8.3	15.7	7.6	19.7	6.7	23.8	6.1	27.8	5.7	31.9	5.3	35.9
2150P-D05AC	6.7	7.6	6.4	7.7	6.0	7.8	5.7	7.9	5.3	8.0	5.0	8.2
2150P-D55GE	7.0	–	6.6	–	6.3	–	5.9	–	5.5	–	5.2	–

\* Amps @ 13.5 VDC

### High Flow Diaphragm Configuration



### High Pressure Plunger Configuration



Recognized for its outstanding innovation with the 2005 AE50 Award. This award honors companies offering the best products engineered for agricultural, food, biological and related systems.

# Accessories



## Pressure Switch/Demand Switch

A pressure switch is used to turn the motor and pump off when the pressure at the discharge of the pump reaches maximum operating pressure and when spray nozzles or spray gun have been turned off. A pressure switch conserves energy in a DC voltage system by eliminating current draw when output from the pump is not required.

Part Number	Operating PSI	Shut-off PSI	Use With
2510-0040	100	120	All Diaphragm Versions
2510-0041	150	215	Low Amp Plungers
2510-0042	300	360	High Amp & AC Plungers



## Hydra Gun

Increase the versatility of your pump with this adjustable spray pattern Hydra Gun. By simply adjusting the nozzle position of the gun you will be able to experience a range of patterns from stream to full cone. Max PSI: 700 Max GPM: 4.5

Gun Part Number	Nozzle Size	Nozzle Part Number	Flow vs. Pressure Operating Pressure (PSI)		
			100	200	300
506400-3415	1.5 mm	003415	0.89	1.22	1.61
506400-3418	1.8 mm	003418	1.24	1.62	2.12
506400-3420	2.0 mm	003420	1.36	1.81	2.26
506400-3422	2.3 mm	003422	1.70	2.37	3.01

Other guns available. See Price List 1000 or contact Hypro for details.



## Relief Valve

Relief valves incorporate an adjustable spring-loaded poppet that opens to protect the pump from over pressurizing when the pump outlet is shut off. The overflow is diverted back to the inlet of the pump or back to the tank.

Part Number	Operating PSI	Material	Use With
3300-0002	200	Bronze	Diaphragm & Low Amp Plungers
3300-0001	400	Bronze	High Amp & AC Plungers
3300-0015	150	Nylon	Diaphragm & Low Amp Plungers
3300-0016	250	Nylon	Low Amp Plungers
3300-0098	400	Nylon	High Amp & AC Plungers



## Unloader Valve

The unloader has a very important safety function in your plunger pump hookup. The unloader valve protects the pump by unloading pressure when the gun is shut off or discharge is otherwise blocked. This saves the pump and power because the liquid is bypassed at a very low pressure.

Part Number	Operating PSI	Use With
3390-0062D	200-600	High Amp & AC Plungers



## Pulsation Dampener

The pulsation dampener absorbs the shock and smoothes out the pump discharge pulsations, providing smoother operation. The dampener can be mounted vertically or horizontally.

Part Number	Operating PSI	Use With
3375-0024	100	All Diaphragm Versions



## Base Frame

The base frame provides convenient mounting for stability and safety.

Part Number 1510-0075



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