

Power Team®



powerteam.com

CORDLESS HYDRAULIC PUMP



Powered By **18** VDC
Lithium-Ion

COMPACT, LI-ION BATTERY-POWERED,
HIGH PRESSURE HYDRAULIC PUMP

SPXFLOW®

Compact. Portable. Cordless.

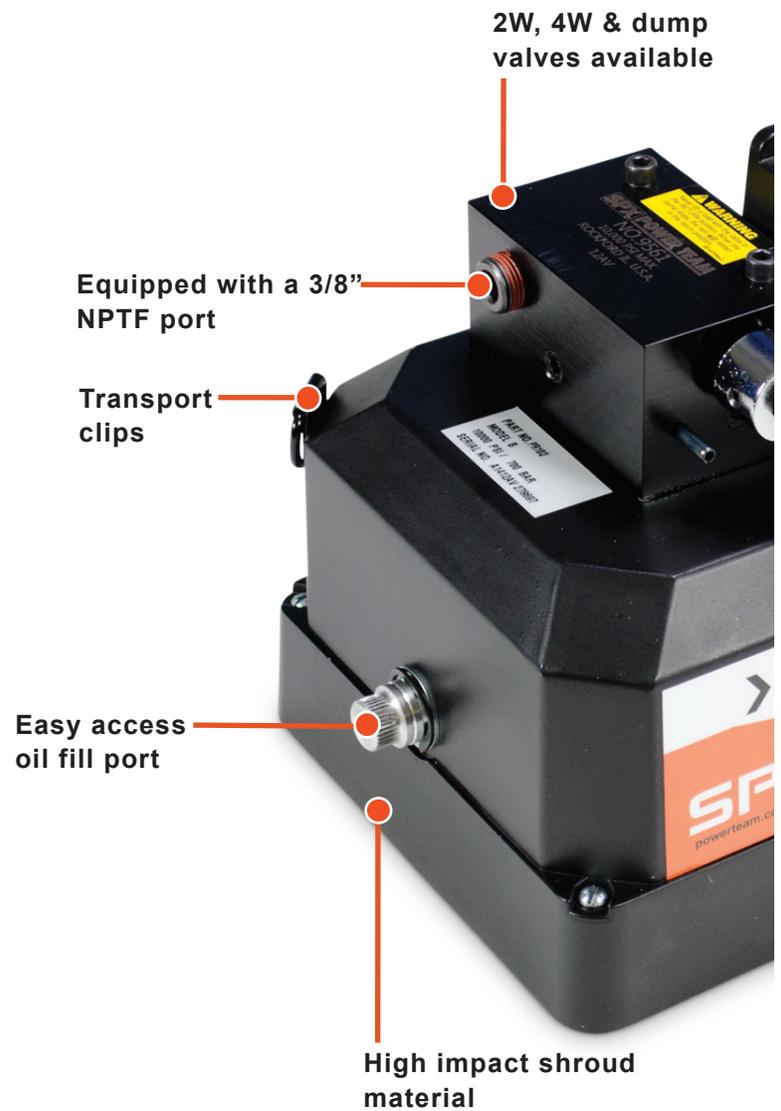
The new Power Team **PB Series Cordless Hydraulic Pump** meets the mark with increased portability, longer run-time, more valve selections and remote “plug and play” control options. The PB Series pumps meet a wide array of high-pressure tool applications where **portability and freedom of cordless power** is needed.

Whether it is a spreading, nut splitting, lifting, bending, cutting or crimping application, the Power Team PB Series Hydraulic Pumps delivers the power needed to improve productivity while keeping safety in mind.

Value Delivered:

- 10,000 PSI (690 Bar), .45 gallons (1,1 liters) oil capacity provides ample power to effectively **cover a wide array of applications** and uses for most trades.
- Cordless, **high powered** 18VDC Lithium-ion 9.0Ah battery pack offers **exceptional run-time**.
- **Lightweight**, only ~24 pounds (10,9 Kg), making those tight constraint, remote applications **stress-free**.

Pump Techno



ogy At A Glance

IP68 rated power switch with accidental protection

Ergonomic grip for maximum comfort

Built-in battery level indicator



PB102 Battery Pump shown

Robust Shoulder Transport Strap Included



“Control Ready” Port Connection Included



Optional Hand or Foot Controls



Powered By 18 VDC
Lithium-Ion

Performance you can rely on...

Our new Power Team PB Series Cordless Hydraulic Pump provides ample power for:

90+ pulls using a PTPHB-206 Puller 

75+ spreads using a HS2000 Spreader 

50+ crimps using a HP35 Punch 

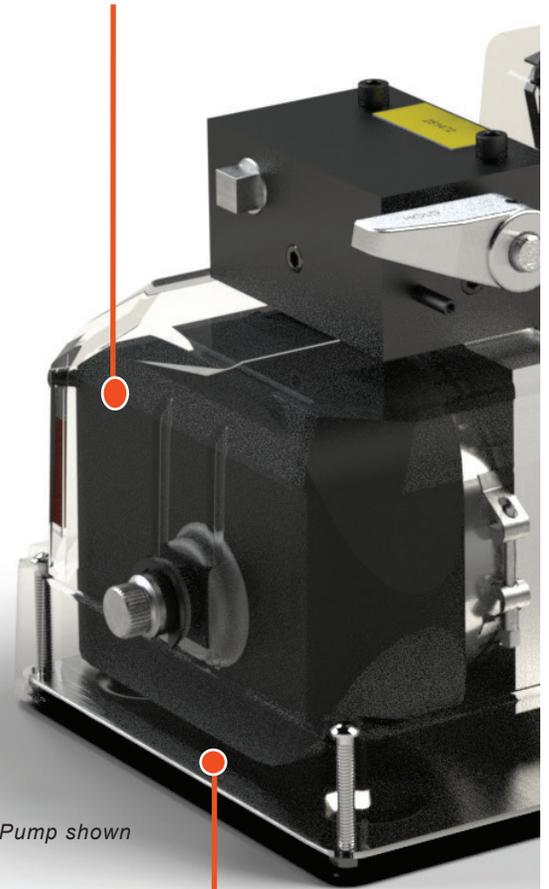
40+ splits using a HNS150 Nut Splitter 

20+ lifts using a C104C Cylinder 

Note: Each function achieved was based on one fully charged 9.0Ah battery pack @ maximum operating pressure, contact factory for specific details and materials used.

Pump Techno

Equipped with a rubber bladder to enable the pump to operate in most positions



PB102 Battery Pump shown

Steel baseplate provides a firm footing on uneven surfaces



PB102A Auto-Dump Valve

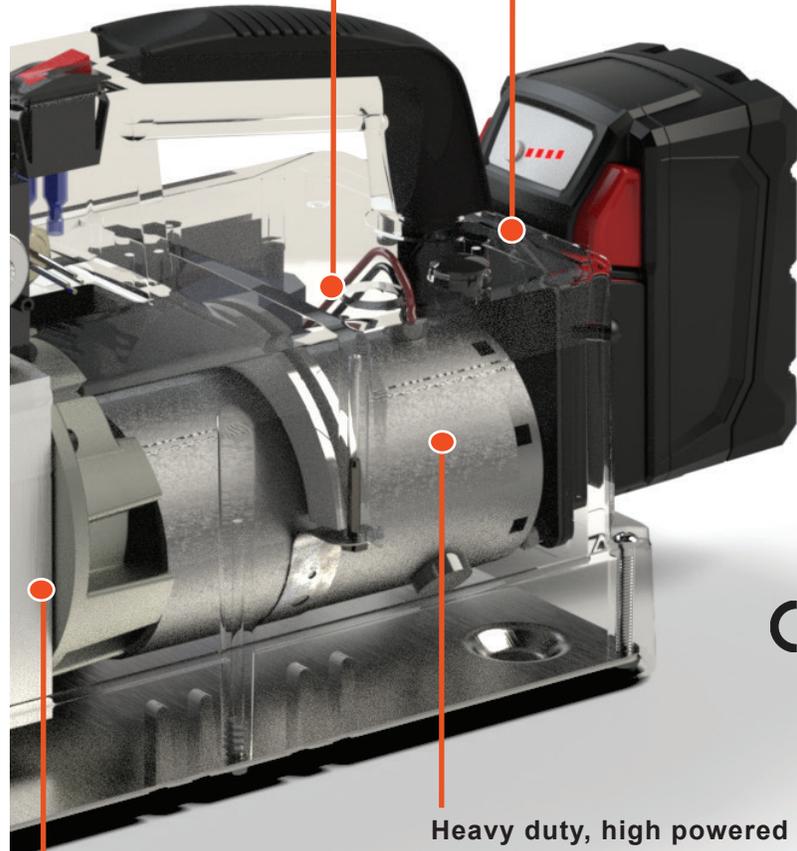


PB102 2-Way Dump Valve

Technology At A Glance

Auto-reset fuse to protects your investment

Advanced electrical battery circuit protection to maximize operation



Heavy duty, high powered 18VDC brushed motor

Two stage pump features a rapid tool advancement in 1st stage, increasing your productivity



PB102R 2-Way Dump Valve Pressure Regulator



PB104 Four Way Valve

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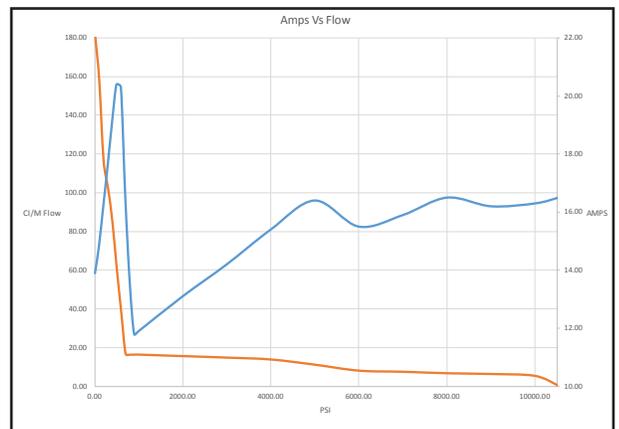
▶ On-board Battery Indicator LED



▶ Rapid Battery Charger Included



▶ Flow / Amp Performance Curve



1st Stage: 200 cu. in. / min (3,277 cu. cm / min.)
2nd Stage: 6 cu. in. / min (98 cu. cm. / min)

Order No.:

PB102-1, PB102R-1



>Features

**COMPACT, PORTABLE, CORDLESS
HYDRAULIC PUMP FOR MRO APPLICATIONS**

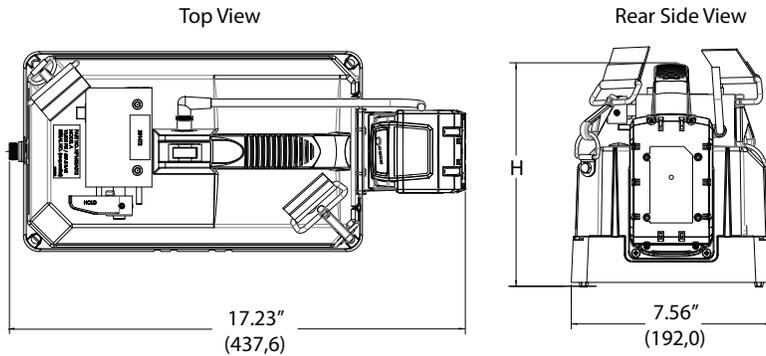
- Compact, Li-ion 18VDC, 9.0 Ah battery-powered pump provides extended run-time, CE compliant.
- Two stage, compact high-pressure hydraulic pump offers quick tool advancement in the first stage
- Extremely compact, lightweight with an ergonomic handle grip and transport strap to ease portability
- Self-contained, rubber bladder reservoir allows pump usage in most positions with an impressive capacity of 70 cu. in. (1,1 liter) usable
- Quiet – smooth running, serviceable brushed 18VDC motor
- High impact, fiberglass reinforced shroud protects your investment in the most demanding and harsh applications
- Large valve section to accommodate a vast array of applications

▶ Ordering Information

Order Number	Description	Refer to Note	Tool Type	Valve Type	Valve Function	Remote Control
PB102-1	18VDC Power Pump, S/A, 2-Way w/ Auto Dump	(1)	Single Acting	2-Way/ Auto. Dump (9561)	Advance / Return (Auto)	Optional
PB102P-1	18VDC Power Pump, S/A, 2-Way w/ Auto Dump	(1)	Single Acting	2-Way/ Auto. Dump (9561)	Advance / Return (Auto)	Included, Pendant w/10ft cord
PB102R-1	18VDC Power Pump, S/A, 2-Way w/ Auto Dump and Pressure Regulator	(1), (3)	Single Acting	2-Way/ Auto. Dump / Pressure Regulator (9561, 9560)	Advance / Return (Auto) / Pressure Adjustment 1-10K	Optional
PB102A-1	18VDC Power Pump, S/A, Auto Dump	(2)	Single Acting	Auto. Dump (9562)	Advance / Return	Optional
PB104-1	18VDC Power Pump, S/A, 4-Way / Auto Dump	(4)	Double Acting	4-Way (9563)	Advance / Hold / Return	Optional
PB102-2	18VDC Power Pump, S/A, 2-Way w/ Auto Dump	(1)	Single Acting	2-Way/ Auto. Dump (9561)	Advance / Return (Auto)	Optional
PB102P-2	18VDC Power Pump, S/A, 2-Way w/ Auto Dump	(1)	Single Acting	2-Way/ Auto. Dump (9561)	Advance / Return (Auto)	Included, Pendant w/10ft cord
PB102R-2	18VDC Power Pump, S/A, 2-Way w/ Auto Dump and Pressure Regulator	(1), (3)	Single Acting	2-Way/ Auto. Dump / Pressure Regulator (9561, 9560)	Advance / Return (Auto) / Pressure Adjustment 1-10K	Optional
PB102A-2	18VDC Power Pump, S/A, Auto Dump	(2)	Single Acting	Auto. Dump (9562)	Advance / Return	Optional
PB104-2	18VDC Power Pump, S/A, 4-Way / Auto Dump	(4)	Double Acting	4-Way (9563)	Advance / Hold / Return	Optional

(1) 2-Way Auto Dump Function: Flapper handle in "hold" position will allow the tool to advance and maintain pressure when the motor is shut off, flapper handle must be switched back to retract and dump pressure. Flapper handle is set to "return" position, power on will advance tool and power off will retract tool and dump pressure.
 (2) Auto Dump Function: Power on - tool advances, and power off - tool returns, releasing pressure to tank.

Technical Dimensions



Optional Remotes

These remotes are equipped with connectors to enable the operator to "plug and play" the connection quickly. The wiring is configured to allow the operator to use the power switch on the pump or operate remotely once connected.

Hand Pendant
Order # 3000970

Foot Pendant
Order # 3000975

Hardware Included



Turnkey, 10,000 PSI (690 bar) hydraulic power pump powered by an 18VDC Li-Ion battery, ships with hydraulic oil.



Transport shoulder strap with clips installed on shroud for quick fastening or removal.



Rapid 18VDC battery charger available in 115V or 230V, refer to the ordering information below.



One 18VDC Li-Ion 9.0 Ah Battery, additional batteries can be purchased separately.

Motor	Flow @ Stages	Usable Oil Capacity	Control Switch	Battery (Included)	Charger (Included)	Dimension			Weight	Order Number
	cu.in. (cu.cm.)	cu.in. (cu.cm.)	Type	Included	Included	in.(mm) L x W x H			lbs. (kg)	
1/4 hp, 18VDC	1st Stage: 200 (3,277) @ 200 psi (14 bar)	70 (1,147)	IP68 Rocker Type (Off, Momentary on)	(1) One 18VDC L-ion 9.0 Ah included	(1) One 115V M18 Rapid Charger Included	17.23 (437,6)	7.56 (192)	8.45 (215)	24 (10,88)	PB102-1
								8.45 (215)	26 (11,79)	PB102P-1
	9.52 (242)							25 (11,34)	PB102R-1	
	7.56 (192)							24 (10,88)	PB102A-1	
	10.20 (259)							25 (11,34)	PB104-1	
	8.45 (215)							24 (10,88)	PB102-2	
	8.45 (215)							26 (11,79)	PB102P-2	
	9.52 (242)							25 (11,34)	PB102R-2	
2nd Stage: 6 (98) @ 10,000 psi (690 bar)	7.56 (192)	24 (10,88)	PB102A-2							
	10.20 (259)	25 (11,34)	PB104-2							

(3) Using the external knob, the pressure regulator valve allows the operator to externally adjust the pressure on demand, ranges from 500 - 10,000 psi.

(4) Four-way valve direction is controlled by the handle lever. Three position; Advance, hold, retract.

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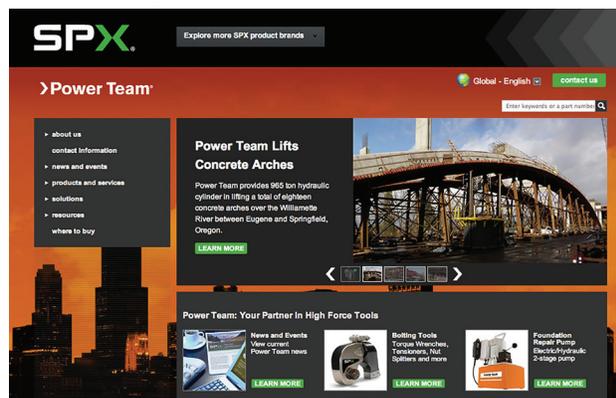
ENGINEERING, MANUFACTURING AND SUPPORT CENTER

World Headquarters

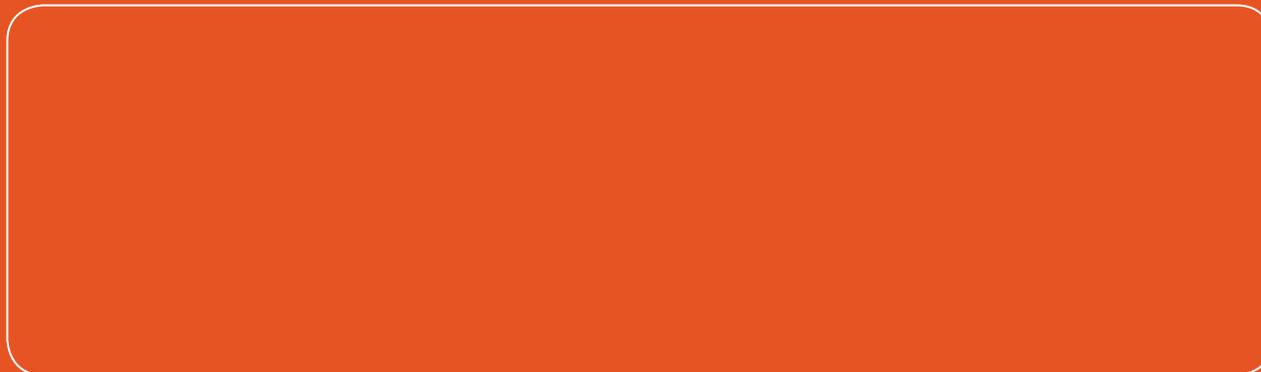
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