

> Power Team®



CORDLESS HYDRAULIC PUMP



Powered By **18** **VDC**
Lithium-Ion

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

SPXFLOW®

Compact. Portable. Cordless.

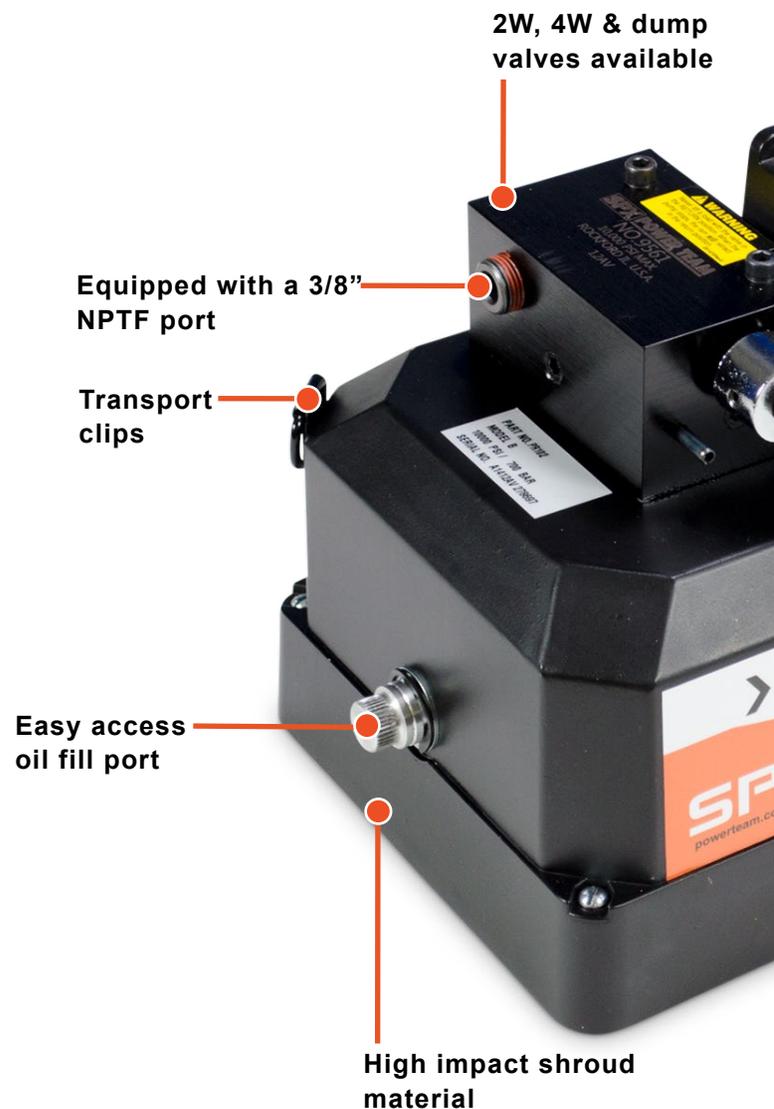
The new Power Team **PB Series Cordless Hydraulic Pump** meets the mark with increased portability, longer run-time, more valve selections and remote “plug and play” control options. The PB Series pumps meet a wide array of high-pressure tool applications where **portability and freedom of cordless power**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



Technology At A Glance



PB102 Battery Pump shown

▶ Robust Shoulder Transport Strap Included



▶ "Control Ready" Port Connection Included



▶ Optional Hand or Foot Controls



Pump Techno

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



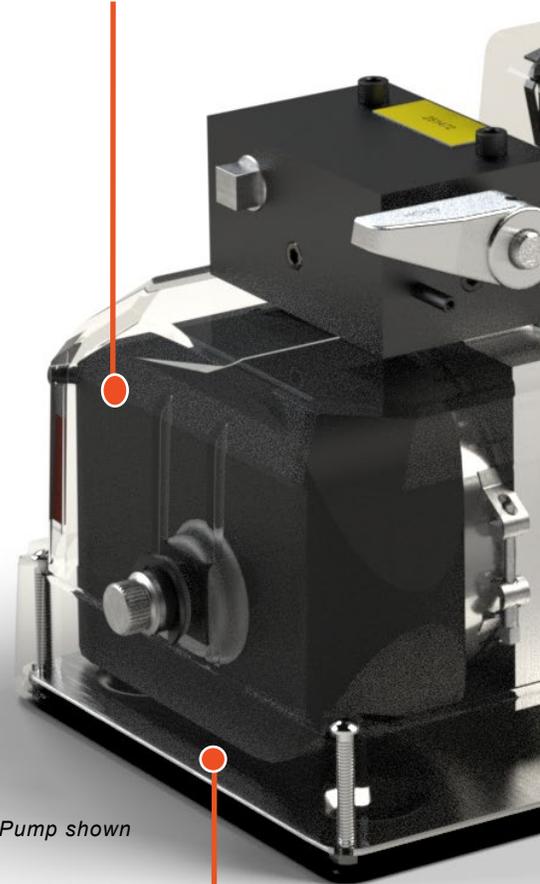
20+

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.

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

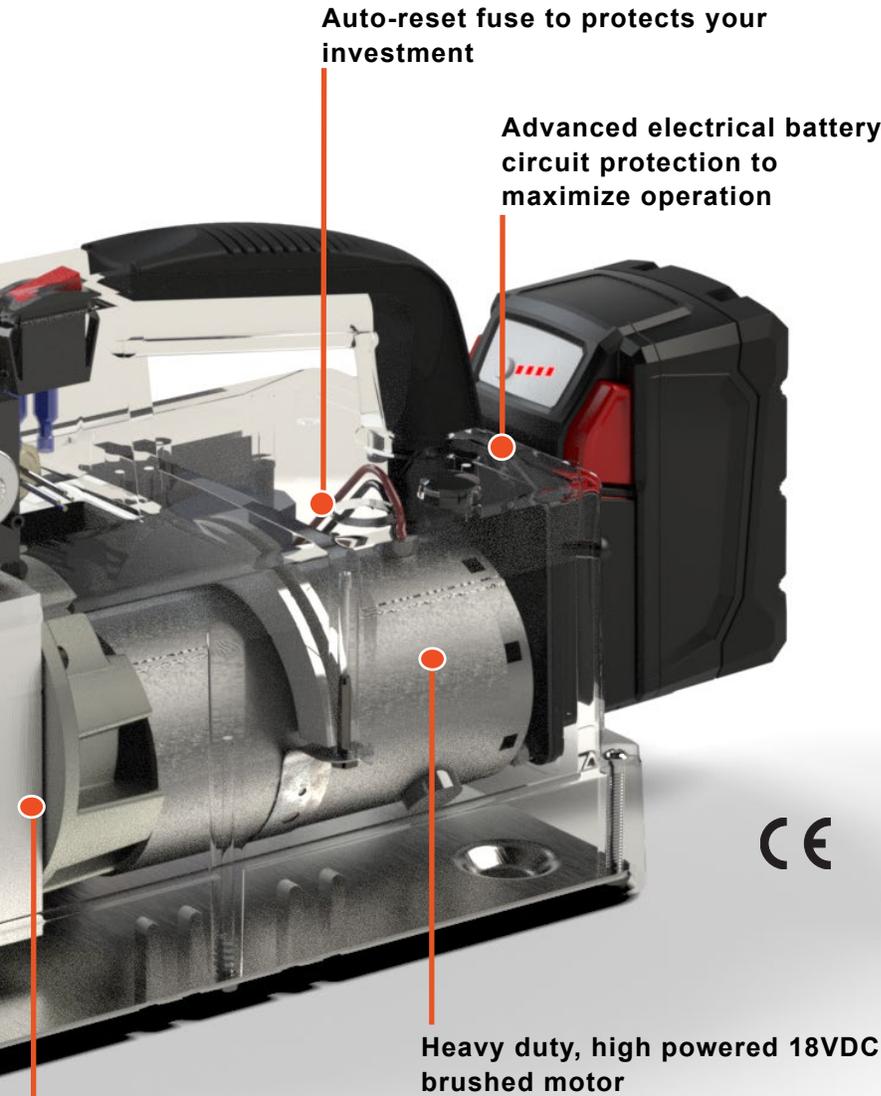


PB102A Auto-Dump Valve



PB102 2-Way Dump Valve

Technology At A Glance



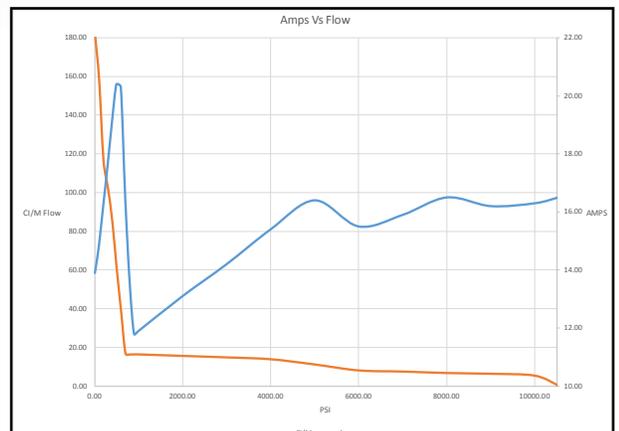
▶ On-board Battery Indicator LED



▶ 18 VDC LI-ION Battery Charger



▶ 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)



PB102R 2-Way Dump Valve
Pressure Regulator

PB104 Four Way Valve

Order No.:
PB102-1, PB102P-1



Features

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

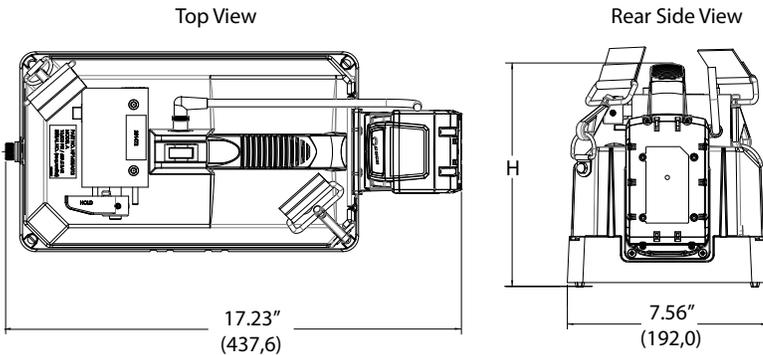
- Compact, Li-ion 18VDC, 9.0 Ah battery-powered pump provides extended run-time , CE compliant.
- Two stage, compact high-pressure hydraulic pump offers quick tool advancement in the first stage
- Extremely compact, lightweight with an ergonomic handle grip and transport strap to ease portability
- Self-contained, 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, 1/4 HP 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	(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	(4)	Double Acting	4-Way (9563)	Advance / Hold / Return	Optional
PB102-0	18VDC, 1/4 HP Power Pump, S/A, 2-Way w/ Auto Dump	(1)	Single Acting	2-Way/ Auto. Dump (9561)	Advance / Return (Auto)	Optional
PB102P-0	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-0	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-0	18VDC Power Pump, S/A, Auto Dump	(2)	Single Acting	Auto. Dump (9562)	Advance / Return	Optional
PB104-0	18VDC Power Pump, S/A, 4-Way	(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 # 3000989



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.



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



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

Flow @ Stages	Usable Oil Capacity	Battery Included	Charger (w/plug style)	Dimension			Weight	Order Number
				in.(mm)				
cu.in. (cu.cm.)	cu.in. (cu.cm.)			L	x W	x H		
1st Stage: 200 (3,277) @ 200 psi (14 bar) 2nd Stage: 6 (98) @ 10,000 psi (690 bar)	70	(1) One 18VDC L-ion 9.0 Ah included	(1) One 115V M18 Charger Included 	12.81	7.56	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
1st Stage: 200 (3,277) @ 200 psi (14 bar) 2nd Stage: 6 (98) @ 10,000 psi (690 bar)	70	(1) One 18VDC L-ion 9.0 Ah included	(1) One 230V M18 Charger Included, Europe only 	12.81	7.56	8.45 (215)	24 (10,88)	PB102-2
						8.45 (215)	26 (11,79)	PB102P-2
						9.52 (242)	25 (11,34)	PB102R-2
						7.56 (192)	24 (10,88)	PB102A-2
						10.20 (259)	25 (11,34)	PB104-2
1st Stage: 200 (3,277) @ 200 psi (14 bar) 2nd Stage: 6 (98) @ 10,000 psi (690 bar)	70	(1) One 18VDC L-ion 9.0 Ah included	No charger is included	12.81	7.56	8.45 (215)	24 (10,88)	PB102-0
						8.45 (215)	26 (11,79)	PB102P-0
						9.52 (242)	25 (11,34)	PB102R-0
						7.56 (192)	24 (10,88)	PB102A-0
						10.20 (259)	25 (11,34)	PB104-0

(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

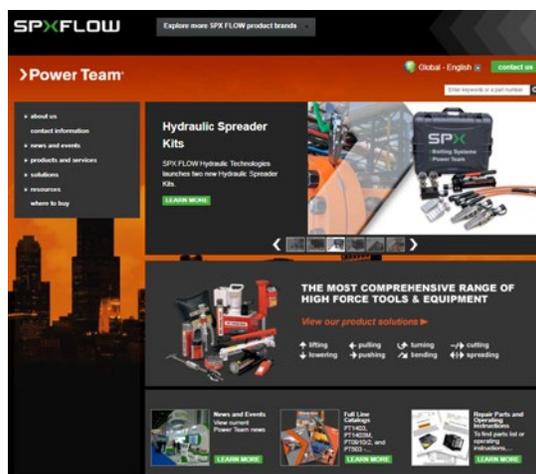
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