

HTS “VB6” Pump Manual



Benefits

- Designed for small jobs, tight quarters, upper floors, punch lists, easy transportation...
- Save money – buy bulk kits instead of cartridges
- Rolls super easy like a suitcase in an airport terminal with swivel wheels
- Easy to use, clean and transport
- Charge without disconnecting battery

Features

- Compact - 16” W x 14” D x 27” H
- Light - 76 pounds with a fold down handle
- Cordless – 20 AH battery, 3-1/2 to 5-1/2 hour run time, and 3,000 to 5,000 charge/discharge cycles
- 3-gallon transparent tanks – view ratios & levels
- Quiet ¼ HP DC Motor, 70 IN LB of torque
- On/Off thumb switch, fingertip variable speed control
- Coarse thread manifold
- Grease fittings and ball valves on manifold
- Soft dual wheel swivel casters with brakes
- Enclosed wand - straightforward flow of product into manifold
- Short supply lines & strap to keep off floor
- Low-cost gear pumps – can rebuild
- DC Interface port for charging – can charge and discharge at the same time



Specifications:

Power: DC 1/4 HP Motor with 70 IN LB of torque. 20 amp hour LiFePO4 rechargeable battery: 3-1/2 hour run-time is typical. Able to charge/discharge at the same time. Battery Management System protects from deep discharge, overcharging, overloading, overheating, short circuiting and maintains cell balance. Can also plug into a 110V outlet (best to plug in the charger and run it so battery charge at the same time).

Transmission: Standard duty #35 chain, sprockets, and idler

Frame & Dimensions: Custom fabricated steel frame. 16"W x 14"L x 27"H. Foldable arm increases operable height to 38" and folded down makes it

Weight (dry): 78 lbs.

Tanks: 3 gallons each. Transparent and tapered plastic tanks to see fluid levels and for checking ratios. Mounted super low for ease of filling and cleaning. Twist on lids keep air out and will not be lost during transportation. All metal drop-in filter screens.

Ratio: 1:1

Pumps: Highly efficient inexpensive gear pumps with Viton seals. Available nationwide.

Mobility: Lightweight and compact frame with dual soft wheel non marring swivel casters with brakes which makes it easier to turn because each wheel rotates independently and spins at a different speed, decreasing the scrubbing caused by wheels during a turn.

Dispensing Handle: Extra lightweight with hook to hang on frame. One handed on/off switch and speed control. Coarse thread manifold threading so any standard cartridge nut will fit if needed. Heavy duty grease fittings and back flow valves on the manifold for cleaning, airtight sealing, and ratio checks.

Hoses: Nylon wrapped/braided stainless steel hoses, coupled with control wiring, encased with a heavy-duty protective cord management wrap. Short length for less back pressure on the small machine.

Straps: Velcro straps included to attach hose to frame to keep off floor and one to strap forearm to hoses near the wand. Straps can also be used to secure wand and hoses during shipping, and/or for a small waste container.

Warranty: HTS solely and expressly warrants that its polyurea pump shall be free from defects in materials and workmanship for six (6) months from the date of purchase. Unless authorized in writing by an officer of HTS, no other representations or statements made by HTS or its representatives, in writing or orally, shall alter this warranty. HTS makes no warranties, implied or otherwise, as to the merchantability or fitness for ordinary or particular purposes of its pumps and excludes the same. If the pump fails to conform with this warranty, HTS will replace or repair the product at no cost to Buyer. Replacement and/or repair of the pump shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within six (6) months from the date of the claim breach. HTS does not authorize anyone on its behalf to make any written or oral statements which in any way alter HTS's operation information or instructions on its pump literature or on its packaging labels. Any operation or modification of HTS's pump which fails to conform with such product information or instructions shall void this warranty. Product demonstrations if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of HTS's pumps for the Buyer's intended purposes.

Directions:

1. Designed to pump polyurea joint fillers on small to medium sized jobs and tight locations.
2. Be sure battery is charged with the included 4-amp charger. It can be charged while attached or during use. Extra batteries are available and suggested. Can also run off an outlet or a generator and charge the battery at the same time.
3. Condition material to 70°F or above. Pre-mix polyol side per manufacturer's instructions.
4. Remove lids, open ball valves, and hold wand over waste container. Turn speed to lowest setting, turn ON the master switch on the frame, toggle ON thumb switch on the handle, slowly increase speed and remove oil to bottom of the tanks. Note: Never run pumps dry for more than a few seconds or you may damage them.
5. Close ball valves and turn the machine OFF.
6. Fill each tank with the marked side of joint filler (iso in iso tank, polyol in polyol tank), while keeping other tank lid on. Never cross contaminate iso and polyol sides or products will harden within the manifold, pumps, and supply lines.
7. Remove nut and night cap. Dispense oil and product into waste container until clean A and B are noticeable, then connect nozzle and dispense until consistent mix of color is noticed, then begin work.
8. Lids should stay unscrewed (loose) on top of tanks while working.
9. Keep an eye on minimum and ratio levels while working. Tanks have markings. Do not run dry.
10. When done, turn the power off at the handle and on the frame.
11. Secure lids tightly, remove nozzle, grease both sides of the manifold until grease comes out of the ports, then wipe on manifold threads, secure night cap with manifold nut. Note: The coarse thread nut is the same size as all cartridge nuts in case it becomes lost.
12. Storing longer than a day requires cleaning of the pump and lines with xylene (or a pump flush designed for polyurea pumps) then flush xylene out of the system and store with an inexpensive oil or hydraulic fluid. Hydraulic fluid is the best choice. Always leave some visible oil in the bottom of the tanks and within the lines and pumps. Do this same procedure when changing chemicals or colors.
13. Periodically lube the chain and test for tightness.
14. Gear pump removal: Empty tanks until fluid is only visible at the bottom of the tank. Remove plumbing connections being careful to keep fluids from dripping below. Loosen idler sprocket, remove chain from gear pump sprocket, remove 4 mount bolts and remove the pumps.



Protective Sleeve (supply lines inside)
PN#VPHOSEWRAP8

Flip Up/Down Handle PN#VPHANDLE

Tank Lids PN#VPTANKL3

3 Gallon Tanks PN#VPTANK3

Tank Mounts
Electrical Box PN#VPBOXSCR-1

Motor PN#VPMOTOR14

SCR Drive (In Box) PN#VPSCRDRIVE-1

ON/OFF Master Switch PN#VPONOFFM

20 AH Battery PN#VPBATT20

Inverter PN#VPINVC6

Swivel Casters w/brakes PN#VPCASTCP6
Dual wheel – 4 sets



Strap PN#VPSTRAP
Holds hose to frame, one more to hold hose
to arm

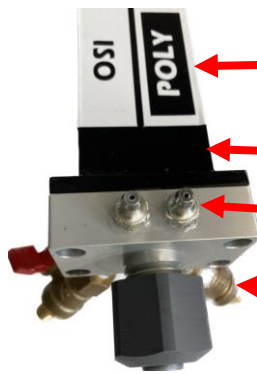
Grip PN#VPGRIP

Spring Plunger/Rope PN#VPSPROPE

Thumb control ON/OFF Switch
PN#VPONOFFT Green is On

Speed control (w/index finger for one hand
operation) PN#VPKNOBDIAL-1

Shoulder Bolt PN#VPBOLTSH



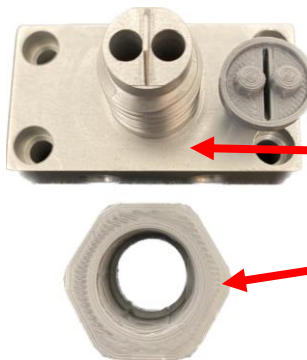
Marked sides of Iso and Polyol hose lines inside tube

Nipples (inside tube) PN#VPMANNIP-1

Heavy duty grease fittings PN#VPZIRCS-1

Ball valves PN#VPBALL18-1
(underside of manifold)

Complete Manifold Assembly for
VeloPump 7.5 includes: manifold, night
cap, nut, ball valves, grease fittings
PN#VPMANASSYMM



Night cap PN#VPNTCAP-1

Manifold PN#VPMANMXR-1

Manifold Nut PN#VPMANNUT



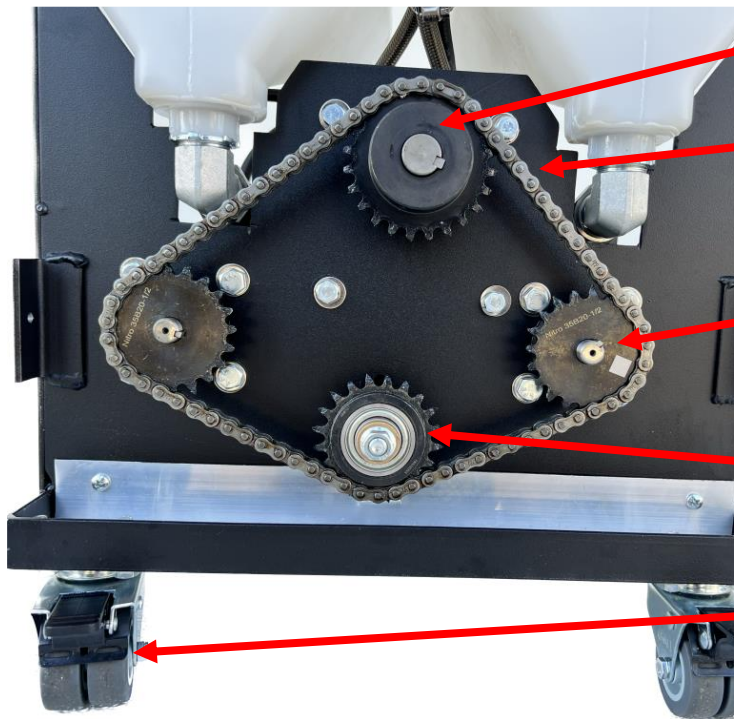
20 AH Battery PN#VPBATT20



4 Amp Battery Charger PN#VPCHRG4



Tank Screens PN#VPSCRNCP6
Inside bottom of tank



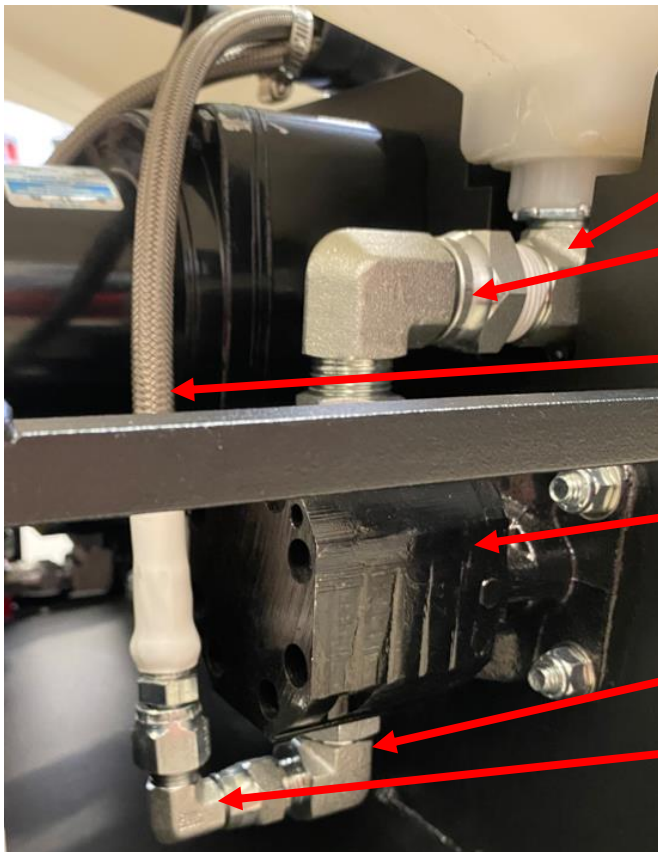
Motor Sprocket PN#VPSRKT35

Chain PN#VPCHAIN35
(Chain Link PN#VPCL35)

Pump Sprocket PN#VPSRKT35

Idler Sprocket PN#VPIDLER35

Dual Swivel Casters w/brakes
PN#VPCAST25



Hex Nipple 90 PN#VPNIP90

Swivel Adapter 90 PN#VPSWIVEL90

Supply Lines PN#VPHOSE8T

Gear Pumps PN#VPCP6PUMP

Bottom Nipple PN#25CBOTNIP

Hose 90 PN#25CHOSE90

SCR Drive Locations and Adjustments

PN#VPSCRDRIVE-1

12 Amp Fuse
PN#VPFUSE12-1

Pot Kit/Speed
Control
PN#VPPOT-1

Resistor
PN#VPRES-1

8 Amp Fuse
PN#VPFUSE8-1

