



B-SERIES

PARTS COUNTERMAN'S CATALOG

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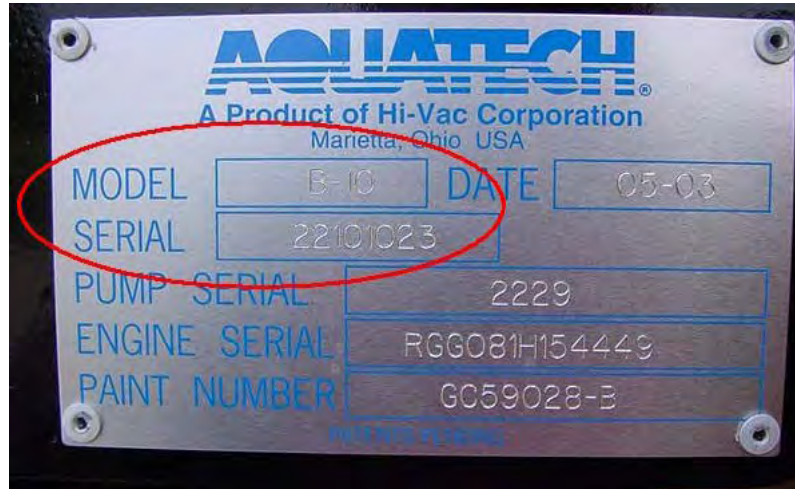
AQUATECH SERIAL (UNIT I.D.) NUMBER GUIDE

YEAR - S/N FORMAT

(Always 8 Digits)

First two digits is the year

1985 - 85XXXXXX
 1986 - 86XXXXXX
 1987 - 87XXXXXX
 1988 - 88XXXXXX
 1989 - 89201XXX
 1990 - 90201XXX
 1991 - 91201XXX
 1992 - 92201XXX
 1993 - 93201XXX
 1994 - 94201XXX
 1995 - 95201XXX
 1996 - 96201XXX
 1997 - 97201XXX
 1998 - 98201XXX
 1999 - 99201XXX



2000 - 20101XXX
 2001 - 21101XXX
 2002 - 22101XXX
 2003 - 23101XXX
 2004 - 24101XXX
 2005 - 25101XXX
 2006 - 26101XXX
 2007 - 27101XXX
 2008 - 28101XXX
 2009 - 29101XXX

These two years can easily be confused

2010 - 20001XXX
 2011 - 20111XXX
 2012 - 20121XXX
 2013 - 20131XXX
 2014 - 20141XXX

Starting 2011, first four digits -
 designates the year,



B-SERIES LUBRICATION CHART

FOR PRODUCTS BUILT AFTER 1995

ITEM	CAPACITY	OIL RECOMMENDATION	AMBIENT TEMP.	INTERVAL
General PN3 Unloader Valve	15.2 Ounces	ISO VG46	All	Keep Full
General PN4 Unloader Valve	8.5 Ounces			
General MH Series Water Pumps - Crankcase	14.8 Quarts	ISO VG220 R&O	32° to 113°	500 hrs or 6 mo. ☐
General MK Series Water Pumps - Crankcase	14.25 Quarts			
General MS Series Water Pumps - Crankcase	10.57 Quarts			
General MWR Series Water Pumps - Crankcase	9.5 Quarts			
General MS Series Water Pumps - Packings	1 squirt each zerk	A111370 (3oz. tube) Grease A111372 (12oz. tube)	All	500 hrs or 12 mo. ☐
Hibon Blower model SIAV840 (vertical gears)	.52 Gal. Drive End .45 Gal. Non D. E.	Mobil SHC-630 (ISO VG220 Synthetic)	Winter & Summer	12 mo.
Hibon Blower model SIAV8702 (vertical gears)	.79 Gal. Drive End .59 Gal. Non D. E.			
Hibon Blower model TS56MV18	.5 Gal. Drive End 1.11 Gal. Gear End			
Hibon Blower models VTB810H & VTB820H (vert.)	1.23 pt. ea. end			
Hydraulic System (for all Hi-Vac product lines)	see manual	AW46 (Formerly AW68 *)	All	12 Mo.
OMSI Direct/Mechanical Driven Units	see manual	SAE 80W90 (Moderate Duty Cycle) SAE 75W90 GL-5EP (Heavy/Severe)	All	1000 hrs
OMSI PowerClutch™ Driven Units	8 qts.	Dexron VI (Moderate Duty Cycle) TranSynd™ or equivalent (Hvy/Severe)	All	500 hrs
Roots 412 Blower (vertical gears)	9 oz. Drive End 18 oz. Gear End	ISO 100 (AGMA 3EP).....	Below 0°F (-18°C) 0° to 32°F (-18° to 0°C) 32° to 90°F (0° to 32°C) Above 90°F (32°C) Note: synthetic has been recommended since 2005	500 hrs
Roots 624 Blower (vertical gears)	32 oz. Drive End 64 oz. Gear End	ISO 150 (AGMA 4EP)..... ISO 220 (AGMA 5EP).....		
Roots 824, 827 Blower (vertical gears)	8 oz. Drive End 2.06 pt. Gear End	ISO 320 (AGMA 6EP).....		
		Note: synthetic has been recommended since 2005		
Uraca KD716GS Water Pump	3.5 Gal	SAE 75W90 GL5 (w/o oil cooler use Synthetic)	Above 80°C use Full Synthetic	12 Mo.
Uraca P3-45 Water Pump	3.31 Gal	ISO VG220 EP5 or SAE 85W90		
Uraca MSSV Unloader Valve	.5 L	ISO VG46	All	Keep Full
Uraca MSUV Unloader Valve	.51 L	ISO VG5		

* Was changed in 2009 to accommodate the use of the Pall filters.

☐ Whichever occurs first

(AGMA) **American Gear Manufacturers Association**, is the trade group of companies involved in gears, couplings and related power transmission components and equipment. They are accredited by the American National Standards Institute (ANSI) to write all U.S. standards on gearing, including terminology, nominal dimensions, tolerances, and tools for manufacturing and control.

(ISO) **International Organization for Standardization**, an independent, non-governmental organization, the members of which are the standards organizations of the 162 member countries. The standards established serve to safeguard consumers and the end-users of products and services, ensuring that certified products conform to the minimum standards set internationally.

(SAE) **Society of Automotive Engineers**, a U.S.-based, globally active professional association and standards developing organization for engineering professionals in various industries. Principal emphasis is placed on transport industries such as automotive, aerospace, and commercial vehicles.

(VG) **Viscosity Grade**, a commercial rating of industrial lubricants. The grade numbers are approximately equal to the kinematic viscosity of the lubricant in centistokes.

AQUATECH[®]

Combination Jet/Vac System

A PRODUCT OF HI-VAC[®] CORPORATION

LIMITED WARRANTY

Hi-Vac[®] Corporation (the "Company") hereby warrants to that each new Aquatech[®] Combination Jet/Vac System (the "Unit") will be free of defects in material and workmanship. This Limited Warranty applies to the original end user and any transferee during the applicable time period, subject to the following terms and conditions:

1. Time Periods:

- The "Standard Warranty Period" is 12 months from date of delivery to the original end user or 2,000 operating hours, whichever occurs first. Any Unit which has been used as a demonstration unit will, upon sale and delivery to the end user, have the same Limited Warranty as provided for herein.
- Special Extended Warranties and Extended Time Periods:
 - (a) Poly-graphite Tanks Warranty: 10 years against any factory defect in material or workmanship and LIFETIME against leakage from corrosion or rust through.
 - (b) Debris Tanks Warranty: 10 years against any factory defect in material and LIFETIME against leaks due to corrosion or rust through.
 - (c) Water Pump Warranty: 5 years against water pump failure and/or factory defect in material or workmanship.
 - (d) Drive System: 5 years against drive system failure and/or any factory defect in material or workmanship. The Drive System warranty is non-transferrable

2. Exclusive Remedy: The exclusive remedy for any covered warranty claims is that Company shall repair or replace, or in lieu thereof may refund the purchase price, at its sole discretion, such defects of such Unit that the Company's examination discloses to be defective in material or factory workmanship, at Company's sole discretion. Any repairs or replacements are to be made at a location approved by Company (i.e. a selling distributor's location or the Company's facility) to assure the Unit performs according to its published specifications.

3. The Following Limitations Apply:

- (a) This Limited Warranty applies only to the original end user during the applicable warranty time periods.
- (b) Only a Unit which has been subjected to normal use and preventative maintenance per original Manufacturer recommendations contained in the Operator's Manual delivered with the Unit is covered by this Limited Warranty.
- (c) This Limited Warranty shall not apply to (and the Company shall not be responsible for) any of the following:
 - items or parts of the Unit that are subject to misuse, negligence, accident or improper maintenance by end user.
 - normal maintenance and service adjustments, including, but not limited to engine valve adjustments, fuel, air and hydraulic system cleaning, engine tune-up, clutch inspection and adjustment, etc.
 - standard consumables and preventative maintenance items or normal wear parts such as, but not limited to: oils, fluids, lubricants, hoses, gaskets, fuses, light bulbs, tires, batteries, belts, etc.
 - operation of the Unit in a manner or for a purpose not specifically recommended in writing by the Company.
 - repairs, modifications or alterations without the express written consent of the Company, which in the Company's sole judgment, have adversely affected the Unit's operation, stability, or functionality as originally designed and manufactured by Company.
- (d) The Unit and supporting equipment may incorporate many component parts manufactured by companies other than Manufacturer; including, but not limited to the following: the truck chassis, engines, compressors, water pump, exhaust/vacuum pump, high pressure water hose, hydraulic pumps, motors and valves, batteries, drive belts, power take-off, axels, tires, electrical components and other specialized equipment. This Limited Warranty does not apply to such component parts or sub-systems. For equipment and components mentioned in this

section, the end user will address warranty service and support direct with the original manufacturer or nearest authorized servicing distributor for such component parts or sub-systems. While this Limited Warranty does not cover component parts and sub-systems manufactured by third parties, Company shall pass-through to end user any warranties (if any) from such component or sub-system manufacturer to the extent permitted and simply as a matter of customer service shall make good faith efforts to provide any relevant information or reasonable assistance to end user/purchaser related to contacting such third party vendors regarding their warranties.

- (e) Any repair or replacement made to replace any defects in material or workmanship of the Unit is warranted solely for the duration of the unexpired Warranty Period. No extension of warranty is made by installation of the new part.
- (f) Company reserves the right to request the return of failed or defective parts or components to Company's factory origin for evaluation subject to Company's return authorization process and procedure.
- (g) Company will not be responsible or liable for defects, losses, damages or failures caused by end user's (or any third party's) unauthorized alternations, use of non-approved parts, unreasonable use, neglect, abuse, accident, negligent repair or failure to perform proper maintenance.
- (h) It is the responsibility of the end user to report warranty claims in a timely manner. Damages resulting from failure to report such claims promptly are not covered under this warranty.
- (i) The term "LIFETIME" means and applies to the original end user only and covers only the original end user's ownership period.

4. No Other Warranties. There are no other warranties made by company with respect to the Units, expressed or implied, other than the limited warranty as set forth above. This limited warranty supersedes any other warranty, promises or representations previously made or issued by company. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND COMPANY HEREBY EXCLUDES ALL SUCH WARRANTIES WHICH MIGHT OTHERWISE BE IMPLIED BY LAW, ALL OF WHICH ARE HEREBY DISCLAIMED. The Company makes no representation that the Unit has the capacity to perform any functions other than as contained in the Company's written literature, specifications or Owner's Manual accompanying delivery of the Unit. No person, affiliated company or distributor of Company's products, is authorized to alter the terms of this warranty, to give any other warranties or to assume any other liability on behalf of the Company in connection with the sale, servicing or repair of any Unit manufactured by the Company.

6. Design Changes/Product Improvements. The Company reserves the right to make design changes or improvements in its products from time to time without any obligation to change or improve any previously manufactured Units.

7. Limitation of Liability. Company's liability for breach of this Limited Warranty, whether a claim or lawsuit is brought in contract, tort, or strict liability, will be limited exclusively to repair or replacement of defects covered by the terms of this Limited Warranty. Company will not be liable for any direct or indirect, incidental, consequential, special or punitive damages of any kind which may result from defects in its Units, products, services, or from breach of this Limited Warranty, nor will Company be liable for any damages resulting from the end user's loss of use of the Unit and/or its supporting equipment.

FAMOUS LAST WORDS IN A PARTS STORE

- ❖ There's no model number on it.
- ❖ It's Green.
- ❖ Someone told me to bring it in and you would just match it up.
- ❖ They're all the same.
- ❖ My neighbor has one exactly like mine.
- ❖ I bought one here before.
- ❖ The last time, your guy just walked to the back and got me one.
- ❖ I don't know what they are called, but I know you carry them.
- ❖ But I drove 50 miles to get here.
- ❖ Oh, it's about yea long and about yea wide.
- ❖ I want a good one, but don't bring me an expensive one.
- ❖ I am swapping out the _____ in it, so I need something that is half this and half that.
- ❖ Surely, somebody has to make one.
- ❖ Just bring me something, I'll make it work.
- ❖ If it doesn't work, can I bring it back?

Blondie

