HYTORC

TOOL MODEL: VERSA 14

PRESSURE/TORQUE CONVERSION CHART

Standard Torque Chart

PRESSURE IN PSI	TORQUE IN FT.LBS.	TORQUE IN KGM	TORQUE IN NM	PRESSURE IN BAR
1500	2148	297	2912	104
1600	2293	317	3108	110
1800	2582	357	3500	124
2000	2871	397	3891	138
2200	3164	438	4289	152
2400	3457	478	4687	165
2600	3751	519	5084	179
2800	4044	559	5482	193
3000	4337	600	5880	207
3200	4635	641	6284	220
3400	4933	682	6688	234
3600	5231	724	7092	248
3800	5529	765	7496	262
4000	5827	806	7900	276
4200	6127	847	8305	290
4400	6426	889	8711	303
4600	6725	930	9116	317
4800	7024	971	9521	331
5000	7323	1013	9927	345
5200	7622	1054	10333	358
5400	7922	1096	10739	372
5600	8222	1137	11145	386
5800	8521	1179	11551	400
6000	8821	1220	11958	414
6200	9121	1261	12364	427
6400	9420	1303	12770	441
6600	9720	1344	13177	455
6800	10020	1386	13583	468
7000	10319	1427	13989	482
7200	10620	1469	14397	496
7400	10921	1510	14805	510
7600	11222	1552	15213	524
7800	11523	1594	15621	538
8000	11824	1635	16028	552
8200	12123	1677	16433	565
8400	12421	1718	16838	579
8600	12720	1759	17243	593
8800	13019	1801	17648	607
9000	13318	1842	18053	620
9200	13621	1884	18464	634
9400	13924	1926	18875	648
9600	14226	1968	19285	662
9800	14529	2009	19696	676
10000	14832	2051	20107	690

* ISO DOCUMENT 9000

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IMPORTANT SAFETY INSTRUCTIONS

WARNING: Your **HYTORC TORQUE MACHINE** is a power tool, and as with any power tool, certain safety precautions should be observed to avoid accidents or personal injury. The following tips will assist you.

- **READ ALL INSTUCTIONS.**
- **KEEP WORK AREA CLEAN AND WELL LIT.**
- **CONSIDER WORK AREA ENVIRONMENT.**Electrical Pumps should never be used in an atmosphere which can be considered potentially volatile. If there is any doubt, use an air pump. Also Note: metal to metal contact can cause sparks, precautions should be taken.
- **AVOID PREMATURE TOOL STARTING.** The Pump Remote Control is for the **TOOL OPERATOR** only.
- **STAY CLEAR DURING OPERATION.** In most cases, the tool will allow “hands free” operation. If the tool must be held or steadied during operation, use alternative means of securing the tool to the application
- **GUARD AGAINS ELECTRIC SHOCK.** Ensure the pump is properly grounded and the proper voltage is being used
- **STORE IDLE TOOLS.** When not in use, tool sand accessories should be properly stored to avoid deterioration
- **USE RIGHT TOOL.** Don’t force small tools or attachments to do the job of a larger tool. Don’t use a tool for purposes not intended.
- **PROPER SAFETY ATTIRE.** When handling/operating hydraulic equipment use work gloves, hard hats, safety shoes and other applicable clothing.
- **USE SAFETY GLASSES.**
- **MOVING EQUIPMENT.** Do not use hydraulic hoses, uni-swivels, pump power or remote cords as means of moving the equipment.
- **MAINTAIN TOOLS WITH CARE.** For top performance, inspect tools, powerpack and accessories for visual damage frequently and always prior to use. Always follow instruction for proper tool and pump maintenance. Refer to the Operations Maintenance Section for further clarification
- **STAY ALERT.** Watch what you are doing. Use Common sense. Do not use power equipment under the influence of any mood altering substances.
- **PRIOR TO OPERATION**
    - Ensure that all hydraulic connections are securely connected and there is no leakage
    - Verify that the Hydraulic hoses are not kinked or otherwise damaged.
    - Ensure the square drive and its retainer are fully and securely engaged.
    - Be certain that all connectors, elbows, fitting and swivels are not bent, loose or damaged.
- **PRIOR TO USE.**
    - Check sockets for size, quality and flaws. (Do not use if questionable)
    - Cycle tool to ensure proper function.
    - Locate a solid, secure reaction point.
    - Be sure the reaction arm retaining clamp is fully engaged.
    - Be sure the hydraulic hoses are free of the reaction point.
    - Pressurize the system momentarily; if the tool tends to “ride up” or to “creep”, stop and re-adjust the reaction arm to a more solid andsecure position.

  NOTE: Remain clear of the reaction arm during operation and never put body parts between reaction arm and reaction surfaces.
- **ALWAYS USE QUALITY ACCESSORIES.** Always use top quality impact sockets in good condition which are the correct size and fully engage the nut. Hidden flaws, however, remain a possibility which could cause breakage, so stay clear of sockets during operation
- **DO NOR USE** other equipment to enhance performance (Hammer on Socket/Tool)**NOTE:** Hytorc Pumps are designed to operate Hytorc Tools only. Damage may occur to the pump or the product that is being operated due to misuse.

SAVE THESE INSTRUCTIONS FOR FUTURE USE!