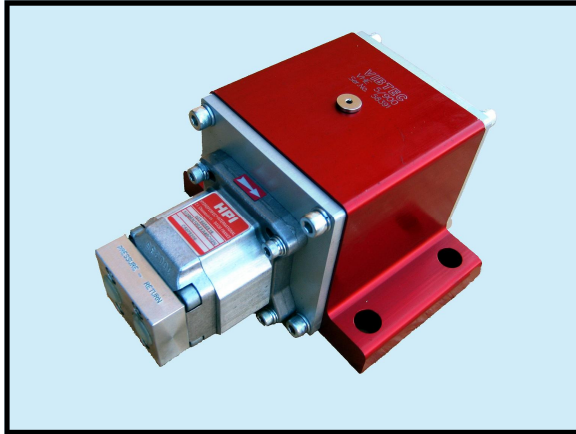


## VHE 5 HYDRAULIC VIBRATOR OPERATING MANUAL

*Vibration Solutions*



### Technical Characteristics

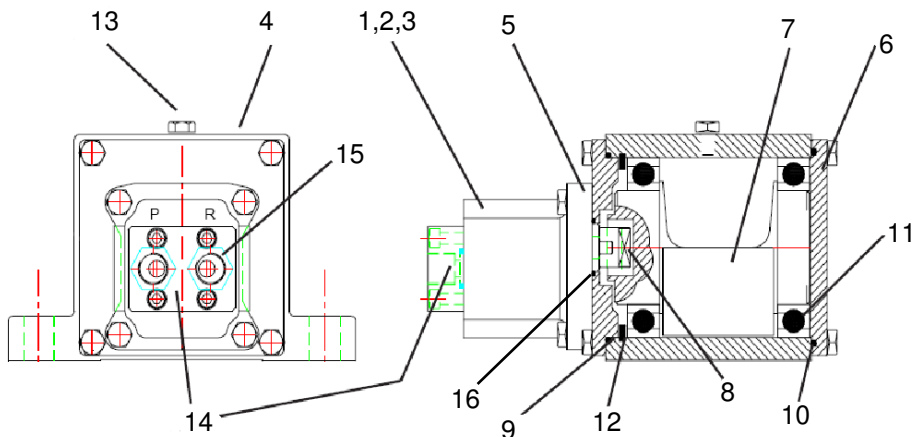
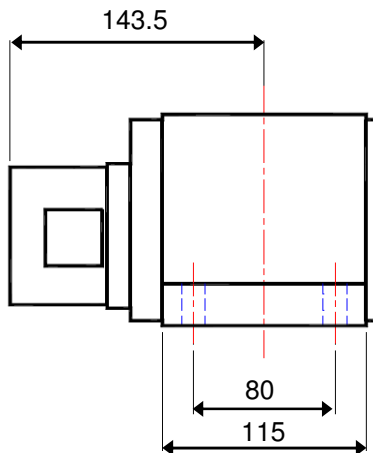
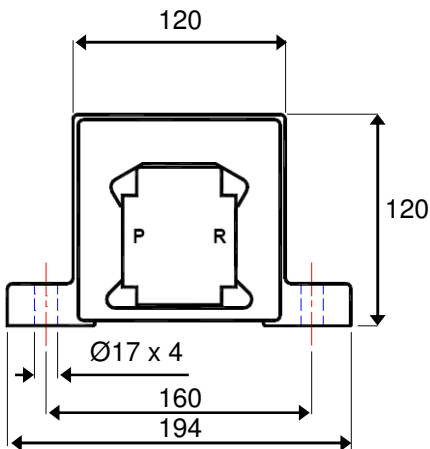
TYPE	Weight (Kgs)	Working Moment (Cm/kg)	Continuous Operation			Intermittent Operation		
			RPM	Force (N)	L/Min	RPM	Force (N)	L/Min
VHE 5/500	6.35	2.05	6000	4065	12	7000	5545	14
VHE 5/900	7.5	6.6	4000	5865	8	5000	9090	10

### **IMPORTANT NOTICE**

**Vibrators and vibrating equipment can be dangerous if not used correctly.**

1. **DO NOT** hold or touch when running.
2. **DO NOT** stand or sit on vibratory equipment when running.
3. **USE ONLY** for the purpose intended.
4. **USE ONLY** when vibrators are securely mounted.
5. **USE ONLY** when hydraulic hoses and fittings are securely tightened.
6. **ALWAYS** wear ear protectors.

# VHE 5/500 & VHE 5/900



NO.	PART NO.	QTY	DESC.	NO.	PART NO.	QTY	DESC.
1	7121	1	Hydraulic Motor	9	46229	1	'O' Ring
2	46357	1	Motor Shaft Seal	10	46230	1	'O' Ring
3	46365	1	Seal Kit for motor	11	46234	2	Bearing
4	40253	1	Housing	12	46232	1	Int. Circlip
5	40254	1	Front endplate	13	46164	1	1/4" BSP Plug
6	40255	1	Rear Endplate	14	40273	1	Rear ports .3/8" BSP
7	40256	1	Eccentric Weight	15	46231	2	'O' Ring
8	40270	1	Drive dog	16	5571	1	'O' Ring



## OPERATING

1. Ensure the vibrator is bolted to a rigid plate having a flat surface.
2. Use M12 high tensile bolts (quality 8.8 - DIN 931-933), flat washers and spring locking washers. Torque bolts to 8 kgm / 58 ft-lbs.
3. Re-torque the bolts shortly after the initial start-up and thereafter at regular intervals (say monthly).
4. Ensure the hoses have 3/8" BSP connections or adaptors and are connected correctly:  
P = Pressure in    R = Return to tank
5. Ensure hose connections are tight and regularly checked together with the condition of the hose itself.
6. Vibrators are supplied with rear port connections of 3/8" BSP.  
Torque for fittings 14 kgm / 100 ft-lbs.

**ATTENTION Max. permitted back pressure - 2 Bar.**



## MAINTENANCE

1. The hydraulic motor needs very little or no maintenance. Periodic checking of an oil seal which can be visually seen when removing the motor from the vibrator and is secured by an internal circlip. This should be replaced if excessive oil is leaking or appears excessively worn.

**ATTENTION If the return of oil to tank is restricted or blocked, the oil seal will be damaged or destroyed.**



2. Maintenance of the vibrator would only be needed to replace noisy worn bearings or worn drive dog.
3. To access these remove the hydraulic motor, then both end plates, then the internal circlip and slide out the rotor and bearings.
4. Replace worn parts and re-assemble; lubricate by pouring 15 ml of hydraulic oil through screw hole no. 13.

***VIBTEC***  
**VIBRATECHNIQUES LTD**  

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*Vibration Solutions*

2 CHAPEL ROAD, PORTSLADE, BRIGHTON, BN41 1PF ENGLAND  
Tel. +44(0) 1273 430977 Fax. +44 (0) 1273 430978

Web. [www.vibtec.com](http://www.vibtec.com) E-mail. [sales@vibtec.com](mailto:sales@vibtec.com)