

## PVE 2316 Variable Moment High Frequency Vibrator

Hydraulic vibrators have wide applications for driving all steel pile sections particularly in non-cohesive soils. Vibrators are also efficient pile extractors. Sheet piles can be installed conventionally that is to say using panel-driving techniques, which is considered best practice for sheet pile installation.

High Frequency vibrators have proceeded to replace low frequency vibrators for city centre applications due to the intrinsically less damaging nature of the resultant vibrations.

The latest innovation in vibratory equipment is the Variable Moment vibrator that allows the machine to accelerate to maximum speed before the vibrating action begins. Vibration is also disabled before the machine stops. The benefit is that no low frequency vibrations are generated at any time during the operating cycle, making the unit particularly suitable for use close to highly sensitive structures or services.

Typical noise level at 15m – 75dBA  
(Pneumatic Hammer – 105dBA)



### ADVANTAGES

- Quiet in operation
- Low in ground borne vibrations
- High outputs
- Low costs
- Leader trench of only 500mm required

## PVE 2316 Variable Moment High Frequency Vibrator

VIBRATOR – MODEL 2316VM		
Eccentric Moment	kgm	0 – 16
Max Frequency	rpm	2300
Max Centrifugal Force	kN	928
Max Line Pull Capacity	kN	300
Total Weight Without Clamp	kg	3000
Vibrating Weight inc. Clamp	kg	2650
Max Amplitude	mm	0 – 15
Height Without Clamp	mm	1900
Width	mm	1650
Max Side Width	mm	640
Max Centre Width	mm	320

POWER UNIT – MODEL 450		
Diesel engine		Volvo
Type		TWD1210
Power	kW/HP	313/426
Max Oil Flow	l/minute	450
Max Working Pressure	Bar	350
Dimensions:		
Length	cm	360
Width	cm	150
Height		
Weight	kg	4200
Length Hydraulic Hoses	m	30
Capacity Universal Clamp	kN	1100
Weight Clamp	kg	750
Capacity Tube Clamps	kN*	800
Weight Tube Clamps In. Beams	kg*	1190

\*These weights can change as different grips and beams can be used.

