



OMS PILE DRIVING EQUIPMENT GMBH.

EXCAVATOR CONNECTION SCHEME

OVR S SERIES

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Required Pressure (P) and Flow Rate (Q)

Vibro Hammer	P (Bar) Q	(lpm)
OVR 20 S	280 - 320	62
OVR 40 S	280 - 320	100
OVR 50 S	280 - 320	150
OVR 60 S	280 - 320	201
OVR 70 S	280 - 320	233
OVR 80 S	280 - 320	275
OVR 120 S	280 - 320	313

Flowmeter



Install flowmeter between excavator and vibrator **Pressure (P)** and **Return (R)** line hoses. Adjust and set required pressure and flow rate with excavator main pump's adjusting valve. **Drain (D)** pressure should not exceed 8 bar.

If the drain pressure exceed 8 bar, the rain line relief valve reliefs the pressure to prevent damaging of hydraulic motor rod seal.



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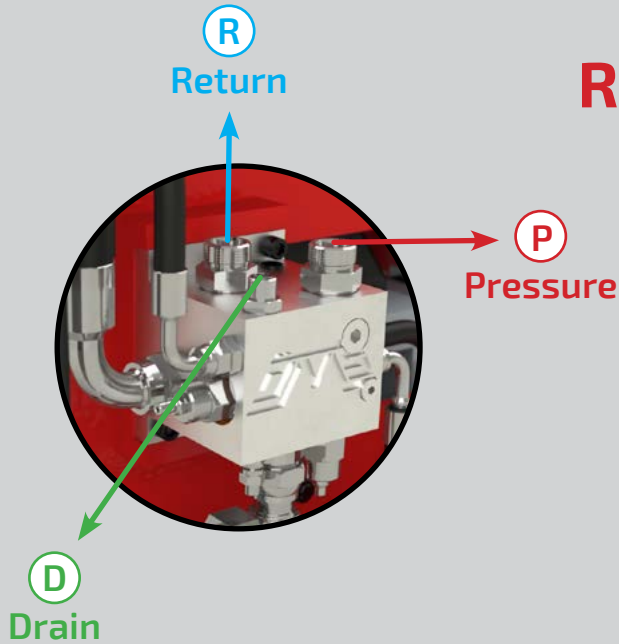
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RIGGING OF VIBRATOR

EXCAVATOR PREPARATION

- Remove bucket pivot pin, bucket link pin and bucket.
- Remove bucket linkage pin from stick (dipper arm) and bucket cylinder pin (rod end). Remove the bucket linkage.



INSTALLATION

Move excavator to the vibrator location. Lift, and safely support the vibrator in a vertical position.

Check the yoke to be sure that the ears fit onto the excavator stick in the area of the bucket pivot.

Check the fit of the yoke pin in the bucket pivot bore on the stick.

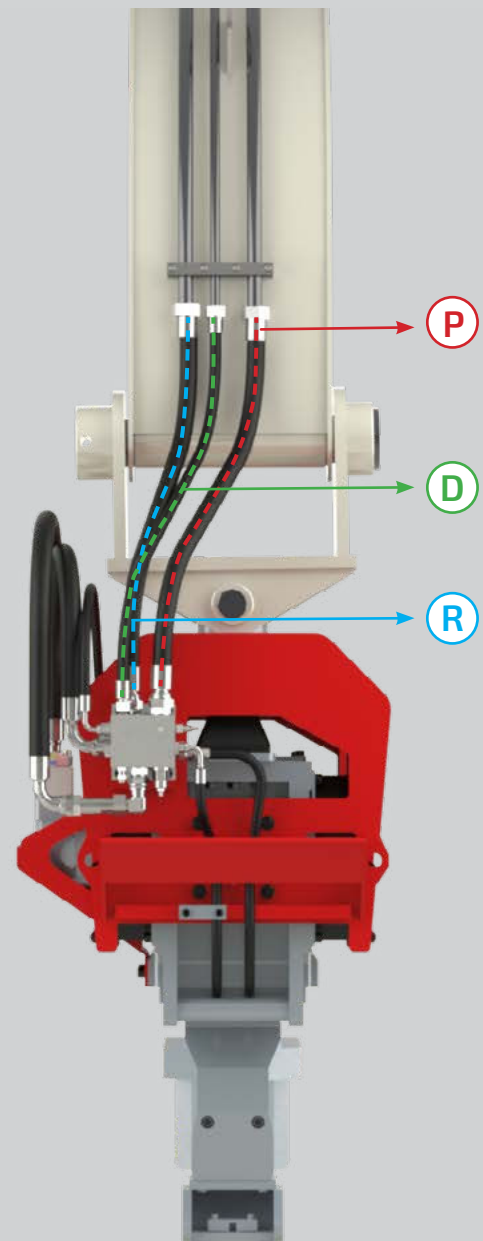
If all fits are correct, connect the yoke to the excavator stick.

Fully retract the bucket cylinder and turn off excavator.

Disconnect the bucket cylinder hoses and plug them with proper size plug.

Remove the plugs (P, R and D) from the manifold and install the excavator hoses to vibrator and tighten. Use below picture for reference.

To bleed the air from hoses, loosen the hoses at the clamp cylinder (approximately one turn). Run the excavator on low speed, move the bucket lever/joy stick slightly to close clamp. Wait until oil flows from the connection at the clamp. When oil flows without air, tighten the connection.



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EXCAVATOR MOUNTED VIBRO HAMMER
OVR 60 S // POLAND




OVS Vibro Website

OVR Animation



OVS Pile Driving Equipment GmbH.

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OVS Vibro Hammer - Excavator Connection Scheme
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