

ECV - ENERGY CONTROL VALVE

ANTI KICKBACK VALVE

This revolutionary bypass valve is fitted to the drive to control the rapid decompression of oil caused by pile kick-back during the screw anchoring process.

WHY YOU NEED ECV

When the anchor reaches desired torque or depth the operator stops the drive unit, at this stage the anchor has built up a rotational energy (somewhat like a rubber band on a wind-up model plane). This energy that is stored in the anchor needs to be released before the drive unit is disconnected. The ECV bypasses the stored energy allowing the anchor to "unwind" in a controlled manner.

Without this valve, the pressure contained when holding the pile in place would be forced up the pile and into the drive unit resulting in potential damage & costly repairs for the motor and gearbox.

FEATURES

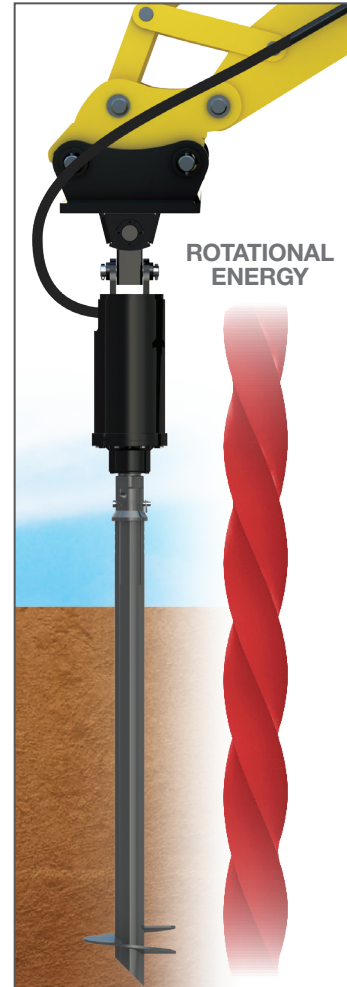
- Protects motor from rapid oil decompression
- Easily converts your auger drive into a dedicated screw anchor drive

IDEAL USE

- Screw piling / anchoring

MACHINE SUITABILITY

- Digga's Energy Control Valve can be fitted to all DDS drive units for screw anchoring applications. ECV comes standard on all Digga anchor drives.



ECV INTEGRATED SOLUTION

ANCHOR DRIVES INCLUDE AN ECV VALVE.
DRILLING DRIVES CAN BE RETRO FITTED WITH
VALVE AS PER BELOW.

① Remove elbow fittings.

② Place washer spacers on the top valve ports of motor. Align valve block with spacers and top valve ports.

③ Screw in bolts through the valve block and top valve ports of motor.

