

DIGGA

**MACHINERY
ATTACHMENTS**



**INLINE PRESSURE
RELIEF VALVE**

ADJUST PRESSURE

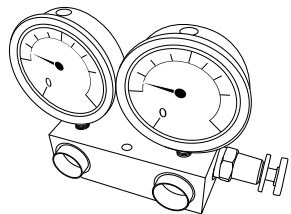
Adjust pressure to your drive unit independently from the parent machine. This allows for maximum torque adjustment of the drive unit and ensures that screw anchors are not subjected to excessive torque resulting in damage or destruction of the screw anchor.

RELIEF PROTECTION

Offers secondary relief protection to the hydraulic drive unit.

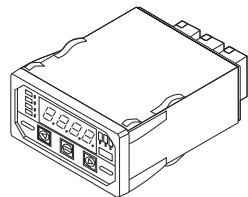
PLUG, PLAY, MONITOR

Pressure gauges are mounted to the valve to monitor pressure (see Fig. 1). Use on its own, or with your existing drive unit ECV. In addition, this inline system can be utilized with Digga's Pressure Differential Gauge or Torque Logic monitoring system. The inline valve should be mounted in a location where the operator has a clear view of gauge readings. The Inline Relief Valve should also be mounted as close as is possible to the drive unit.



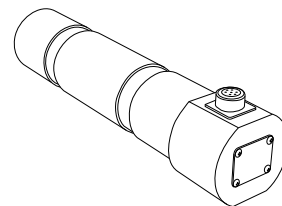
INLINE PRESSURE
RELIEF VALVE

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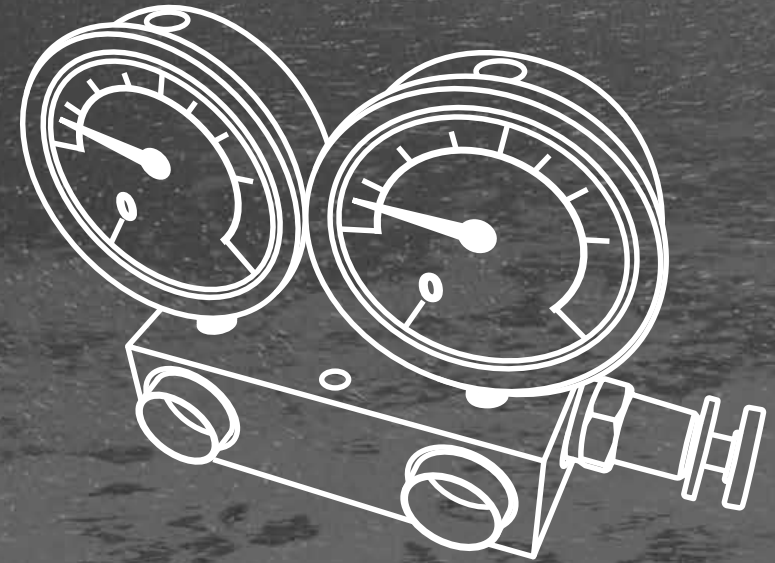


PRESSURE DIFFERENTIAL
GAUGE

OR



TORQUE LOGIC
MONITORING SYSTEM



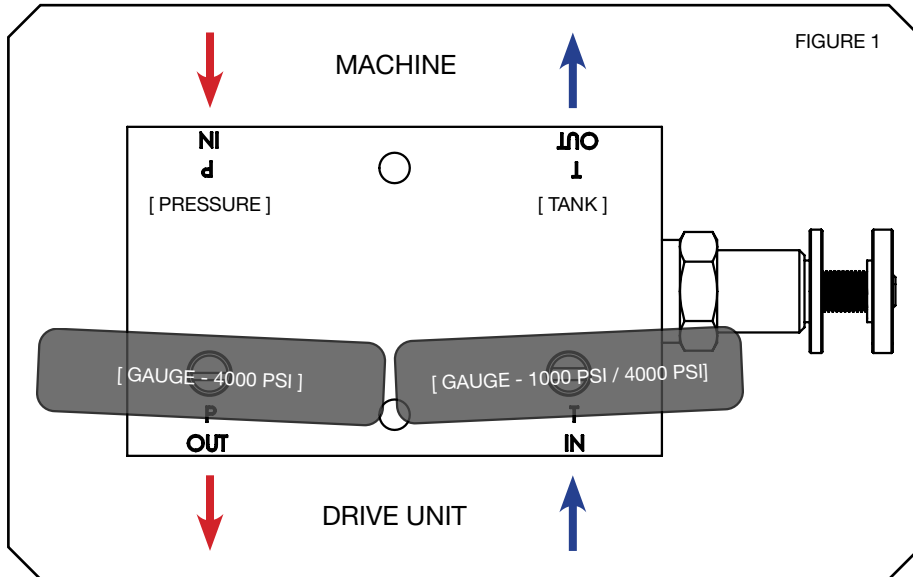
INLINE PRESSURE RELIEF VALVE

EASY TO INSTALL

Connecting to the machine / power source

1. Connect the pressure hose from the machine that will rotate the shaft of the drive unit clockwise to the port marked '[P] In'.
2. Connect the machine return line hose to the port marked '[T] Out'.
3. Connect the port marked '[P] Out' to the pressure side of the motor.
4. Connect the port marked '[T] In' to the return side of the motor.

Attach the Gauges directly to the 1/4" NPT Ports on the face of the valve.



Set the desired pressure...

After correctly installing/connecting the valve, engage auxiliary hydraulics on the parent machine observing all safety precautions.

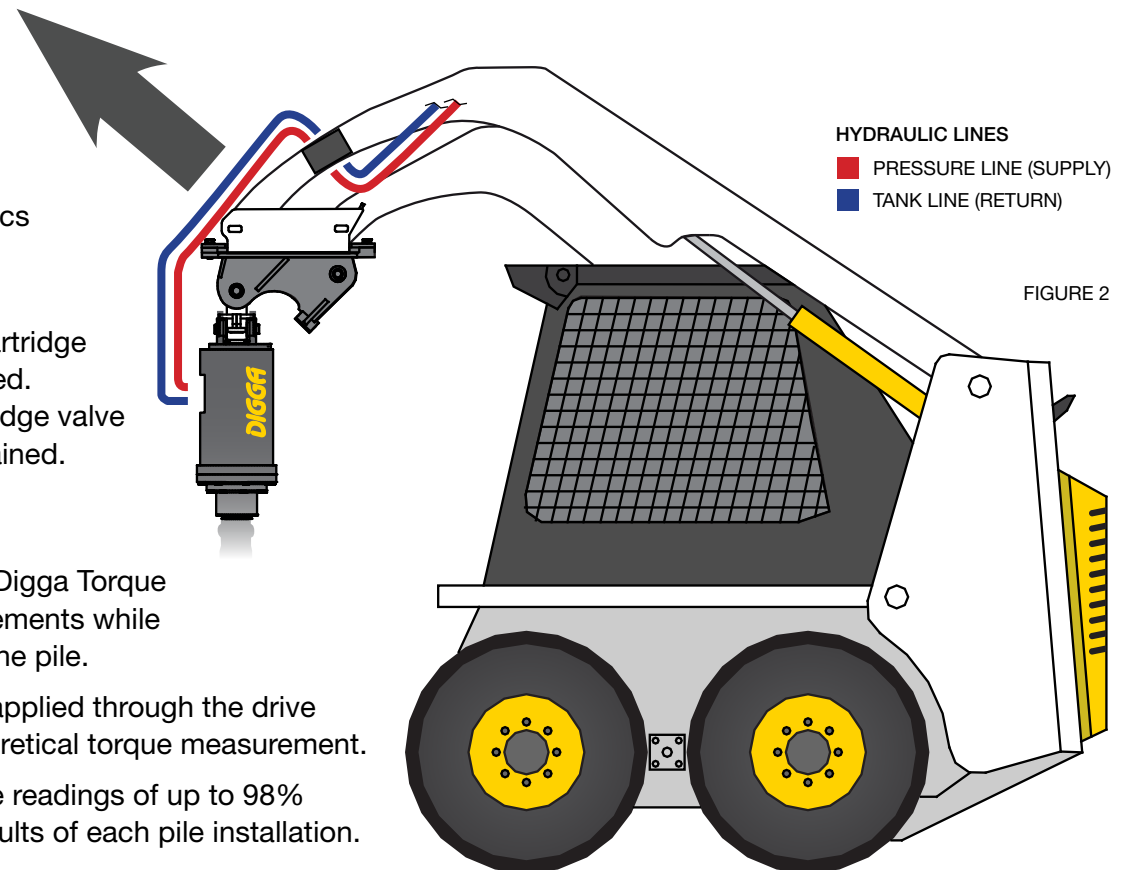
1. Observe PSI reading on '[P]' Gauge.
2. To Increase the pressure setting turn the adjustment screw on the cartridge valve in a clockwise direction until desired pressure setting is obtained.
3. To Decrease pressure setting turn the adjustment screw on the cartridge valve in a counter-clockwise direction until desired pressure setting is obtained.

Monitoring torque...

The Inline Pressure Relief Valve can be used in conjunction with either Digga Torque Logic or Differential Pressure Gauge to obtain accurate torque measurements while controlling the torque the drive unit is capable of transmitting through the pile.

The Differential Pressure Gauge displays the hydraulic pressure being applied through the drive unit, which can then be reference back to a torque chart to give a theoretical torque measurement.

The Digga Torque Logic monitoring system will provide accurate torque readings of up to 98% accuracy. This system also has the ability to be able to data log the results of each pile installation.



DIGGA NORTH AMERICA

2325 INDUSTRIAL PARKWAY SW
DYERSVILLE, IA 52040
USA

PH: +1 563 875 7915
EMAIL: INFOUSA@DIGGA.COM

DIGGA AUSTRALIA

4 OCTAL STREET
YATALA QLD 4207
AUSTRALIA

PH: +61 (0) 7 3807 3330
EMAIL: INFO@DIGGA.COM

DIGGA EUROPE

UNIT 6, HUNGERFORD TRADING ESTATE
SMITHAM BRIDGE ROAD, HUNGERFORD
BERKSHIRE, RG17 0QU, UK

PH: +44 (0) 1488 688 550
EMAIL: INFOUK@DIGGA.COM

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IMPORTANT: The attachments shown in this brochure are for illustrative purposes only and may include some non-standard optional extras. All specifications should be regarded as approximate only. For full details, contact your Digga Dealer. In the interest of product improvement, Digga reserves the right to change these specifications without prior notice.