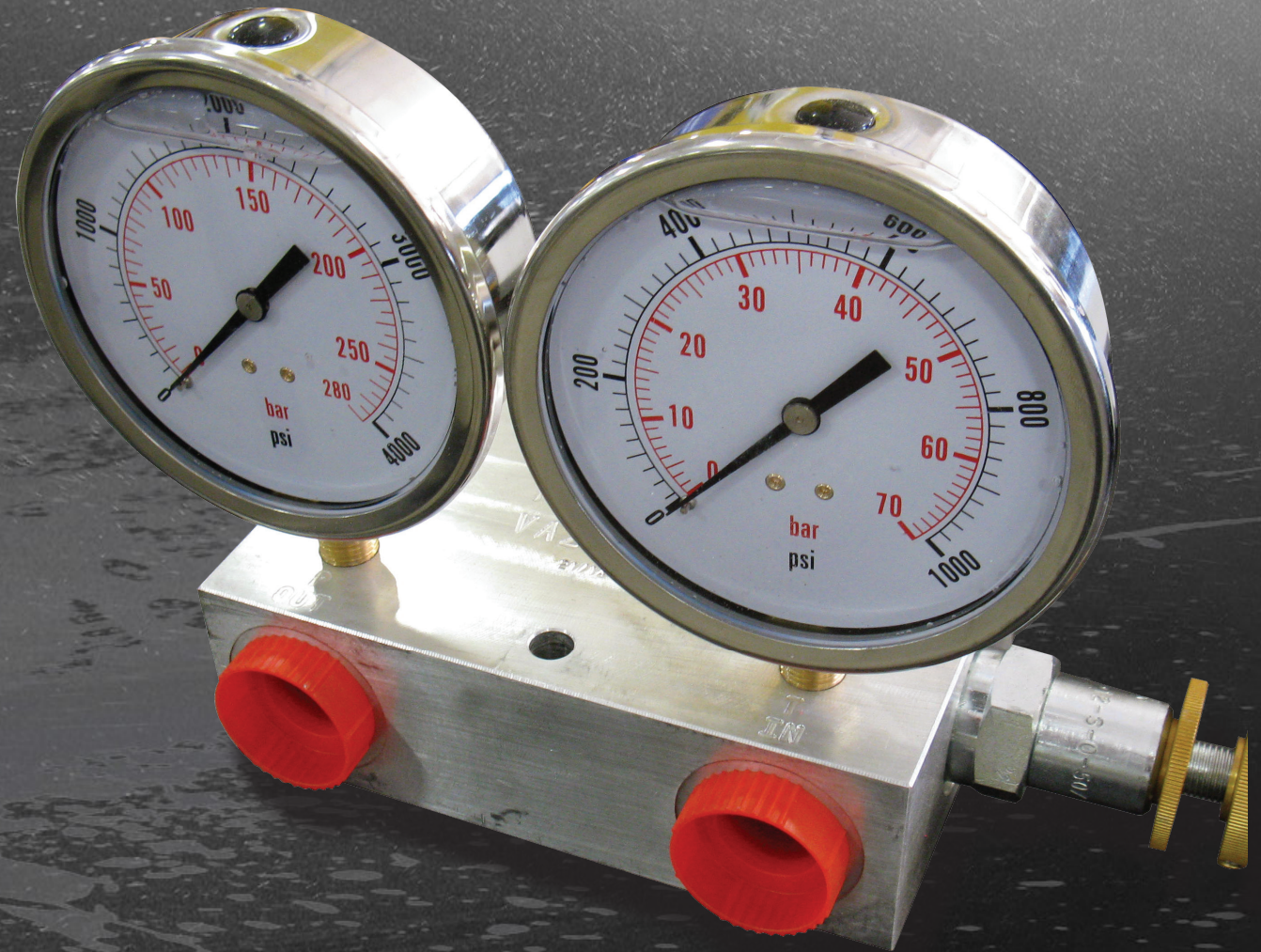


# **DIGGA**

**MACHINERY  
ATTACHMENTS**



**DIGGA INLINE PRESSURE RELIEF VALVE**  
**SIMPLE - ACCURATE - ESSENTIAL FOR SCREW PILING**



# INLINE PRESSURE RELIEF VALVE

## PURPOSE-BUILT FOR PILING PROTECTION

The Digga Inline Pressure Relief Valve (PRV) is designed to protect your drive unit and screw piles during high-load installations. Installed between your host machine and auger drive, this compact valve helps monitor and control hydraulic pressure with precision and ease.

Whether you're working with ground anchors or small to medium screw piles, the Inline PRV gives you real-time visibility and control to help prevent overload — making it a must-have for efficient, damage-free piling.



# KEY FEATURES

## ✓ ADJUST PRESSURE CONTROL

- Set maximum pressure independently of host machine relief.
- Easily adjust using the built-in pressure screw.
- Helps prevent over-torque and protects screw pile integrity.

## 📈 LIVE PRESSURE MONITORING

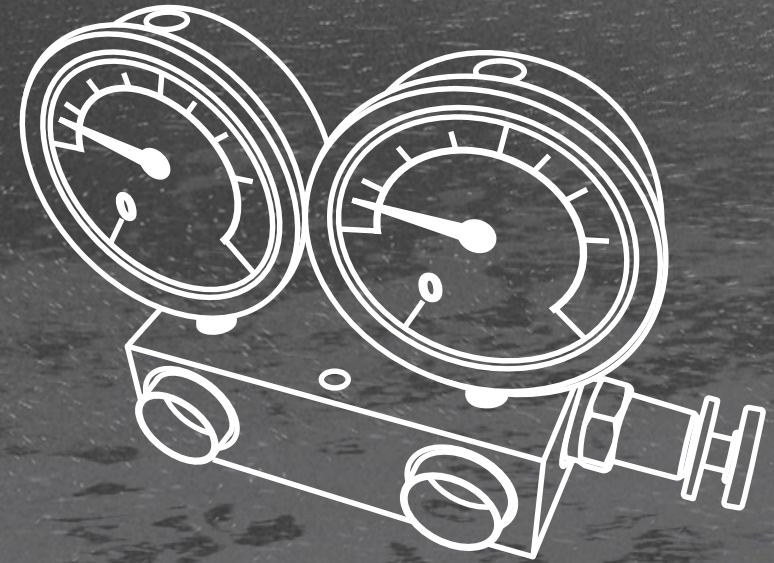
- Dual pressure gauges show;
  - Feed pressure (into drive motor)
  - Return pressure (to tank)
- Large display gauges mounted for operator visibility.
- Real-time monitoring helps track when peak pressure is reached.

## 📈 TORQUE REFERENCING

- Use displayed pressure values alongside a Digga torque chart.
- Theoretical chart based on 100% efficiency offers a torque reference point during pile installation.

## 🛡️ BUILT-IN RELIEF PROTECTION

- Adds a secondary layer of protection to your drive motor.  
Especially useful when using high-torque drives on smaller piles.



**INLINE  
PRESSURE  
RELIEF  
VALVE**

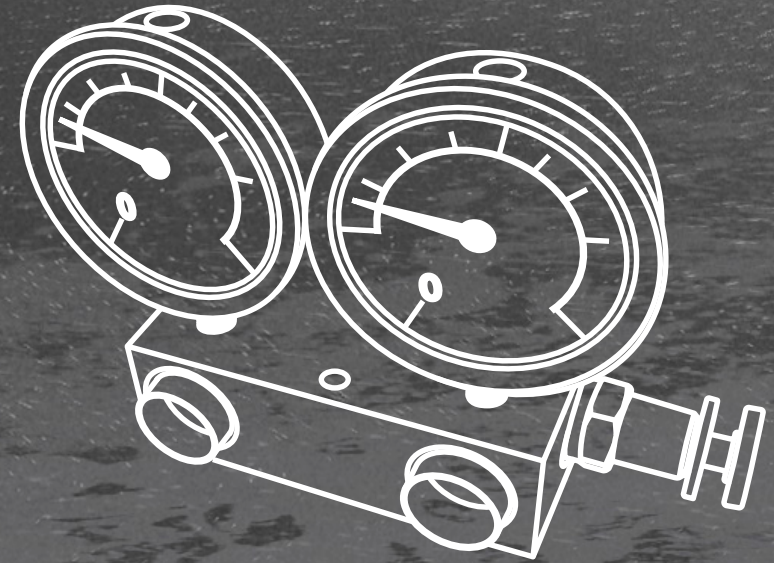


## PERFORMANCE BENEFITS

- **Independent torque control** - Protect screw piles from excessive force.
- **Plug & play installation** - Fast, easy, and compatible with all Digga drives.
- **Field adjustable relief** - Set ideal performance limits without reconfiguring the host machine.

## MOUNTING & COMPATIBILITY

- Designed for **close mounting to drive unit** for responsive relief.
- Mount directly to the **gimbal frame** on MM Series drive.
- Ensure gauges are **visible to the operator** during use for maximum effectiveness.



**INLINE  
PRESSURE  
RELIEF  
VALVE**

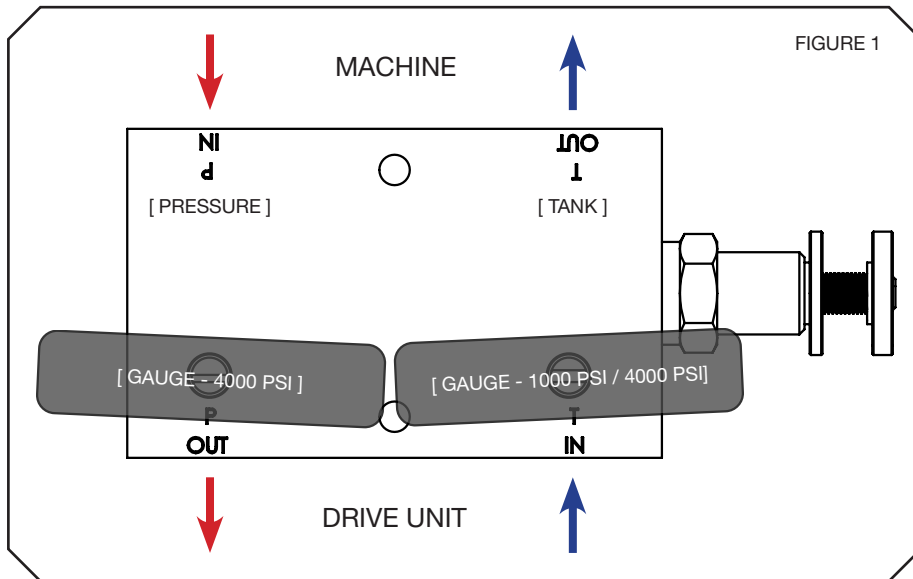


FIGURE 1

# 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.

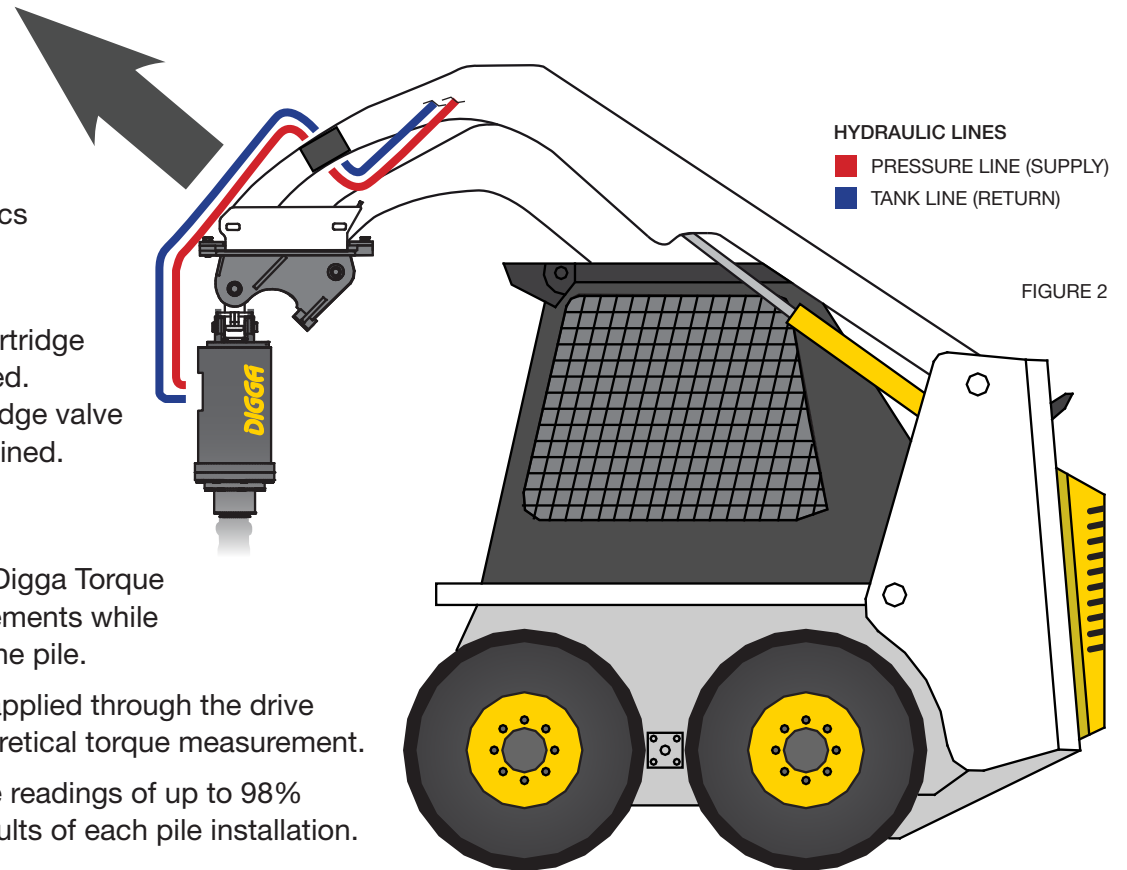


FIGURE 2



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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.