

SB2005 – Pump Adjustments

The pumps on this machine are supplied with built-in internal pressure relief valves. These are in place to prevent pump and motor damage that can occur when the discharge line is blocked or closed off. They can be adjusted and set to desired operating pressure, or they can be bypassed. We have set them to the maximum pressure as this works best for the majority of products.

When the relief valve opens, the material re-circulates within the pump instead of discharging. If one component re-circulates while the other side is pumping, (due to different viscosities), the end product will be off-ratio. Monitor the products you are pumping to ensure they are uniformly discharging. If not, you can set the pressure relief valves to your desired operating pressure, or bypass them altogether.

Instructions:

To reduce the pressure setting, loosen the lock nut, and turn the set screw out (counter-clockwise).

To increase the pressure setting, loosen the lock nut and turn the set screw in (clockwise). When desired pressure is achieved, tighten the lock nut.

To bypass the pressure relief valves, remove the NPT pipe plug from the pump cover, and then insert the enclosed bypass plug until bottomed out. Then reinstall the NPT pipe plug. **Caution:** When eliminating the bypass function, you run the risk of blowing a seal in the pump, or causing other damage to the pump or motor.

Adjust Pump Pressure

Eliminate Pressure Relief Valve Function

