

Regulator and Unloader Valve Operation

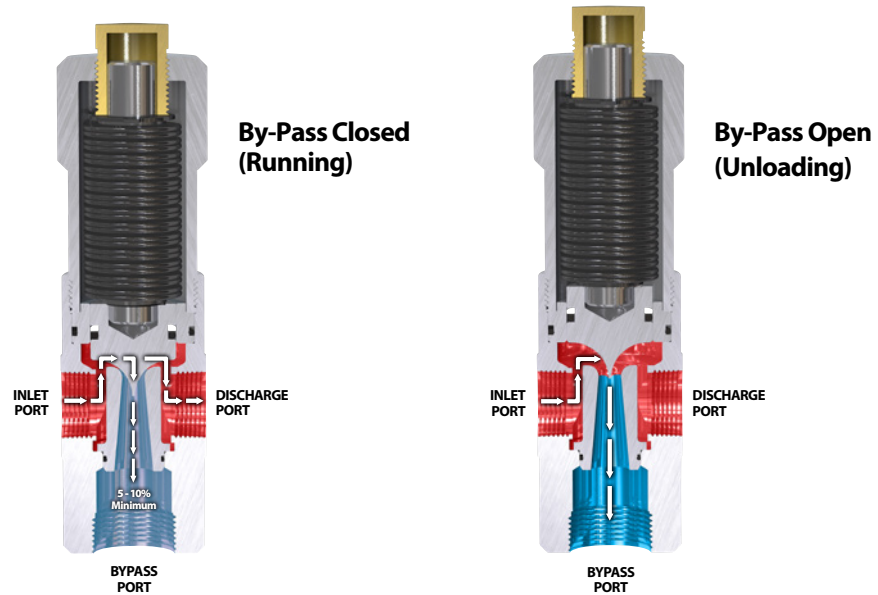


Regulators/Relief Valves and unloaders are used to set and maintain system pressure, which requires bypassing a portion of pump flow. Visit Cat Pumps YouTube page at www.youtube.com/user/catpumps1968 to view Regulator vs. Unloader Valve Product Comparison.

Regulator/Relief Valve Operation

When a downstream device or shut-off gun is closed, a regulator maintains full system pressure, diverting full pump flow at system pressure.

- Operating Pressure
- Bypass Pressure



Unloader Operation

An unloader valve contains a check valve that traps pressure between the closed downstream device (shut-off gun) and the unloader, which opens the internal piston allowing the pump to unload at low-pressure.

