



SUTTNER
A M E R I C A C O M P A N Y

ST-230 Pressure Relief Valves

Manual

- Adjustable pressure
- Forged brass housing
- Chemical/heat resistant
- Stainless steel ball valve seat
- Quickly rebuildable with repair kit.
- Can be rebuilt without removing from the installation.



#200230500



#200230600
Stainless Steel Nut

SPECIFICATIONS

#200230500

PRESSURE, MAX ----- 3600 PSI
TEMPERATURE, MAX -- 200° F
FLOW RATE ----- 8.0 US GPM
INLET PORT ----- 1/4" FNPT
OUTLET PORT ----- 1/4" FNPT
WEIGHT ----- .84 LBS

#200230600

PRESSURE, MAX ----- 5070 PSI
TEMPERATURE, MAX -- 200° F
FLOW RATE ----- 8.0 US GPM
INLET PORT ----- 1/4" FNPT
OUTLET PORT ----- 1/4" FNPT
WEIGHT ----- .84 LBS

INSTALLATION INSTRUCTIONS

The ST-230 regulator valve can be mounted in any position. It should be located in the pressure line between the pressure pump and trigger gun, preferably as close as possible to the outlet of the pump. Plumbing should be minimized.

To use as a safety relief valve:

1. After setting the bypass unloader to the desired working pressure, shut off the machine and release any pressure from the system.
2. Connect the ST-230 valve inlet into the pressure line. This can be done by using a "Tee," or more commonly, by adapting to an outlet in the head of the pump.
3. Connect the valve outlet to relief. This relief can be directed back to the water inlet, or more commonly, an open-ended hose is used to direct it away from the operator.
4. With the ST-230 adjustment cap positioned about midway, operate the machine at normal working pressure.
5. Turn the adjustment cap (cw +, ccw -) until the valve opens (or closes) at the working pressure.
6. Turn the adjustment cap 1-3 turns clockwise so the valve stays closed at the working pressure.*
7. Tighten the jam nut to secure the setting.

****Some unloaders will spike upon releasing the gun trigger; some additional turns may be required for proper relief pressure adjustment.***

To use as a pressure regulator:

WARNING: These valves are intended to regulate pressure in the line, **THIS IS NOT A BYPASS UNLOADER.** A system bypass may still be required.

1. Connect the ST-230 valve inlet into the pressure line.
2. Connect the valve outlet to bypass. This bypass can be directed back to the water inlet, or to a float tank.
3. Turn the adjustment cap (cw +, ccw -) to set the desired line pressure.
4. Tighten the jam nut to secure the setting.