

### **Subject: Water cooled models in high water pressure applications**

Scotsman's water cooled machines are rated to work up to 120 PSI of water pressure. In some high rise situations, the cooling circuit water pressure can be much greater than that.

Installing units on water pressures in excess of the rated number will void the warranty and likely cause severe damage to the product.

It is possible to field retrofit a higher rated water regulating valve, allowing connection to water cooling circuits with water pressures up to 350 PSI. Potable water limits do not change.

Two water regulating valves that meet this criteria have been identified:

- Johnson Controls: Their part number is: V146EK-1C. This is a 3/4" valve that is similar in construction to Scotsman's standard valve, although some modifications will be required to install it. The discharge pressure must be adjusted in the field.
- Metrex: Their part number is WCCW-3050. This is a 3/8" valve whose construction is somewhat different than the standard valve Scotsman uses. It is probable that more field modifications will be needed to install it than the Johnson Controls valve. Discharge pressure must be adjusted after installation.