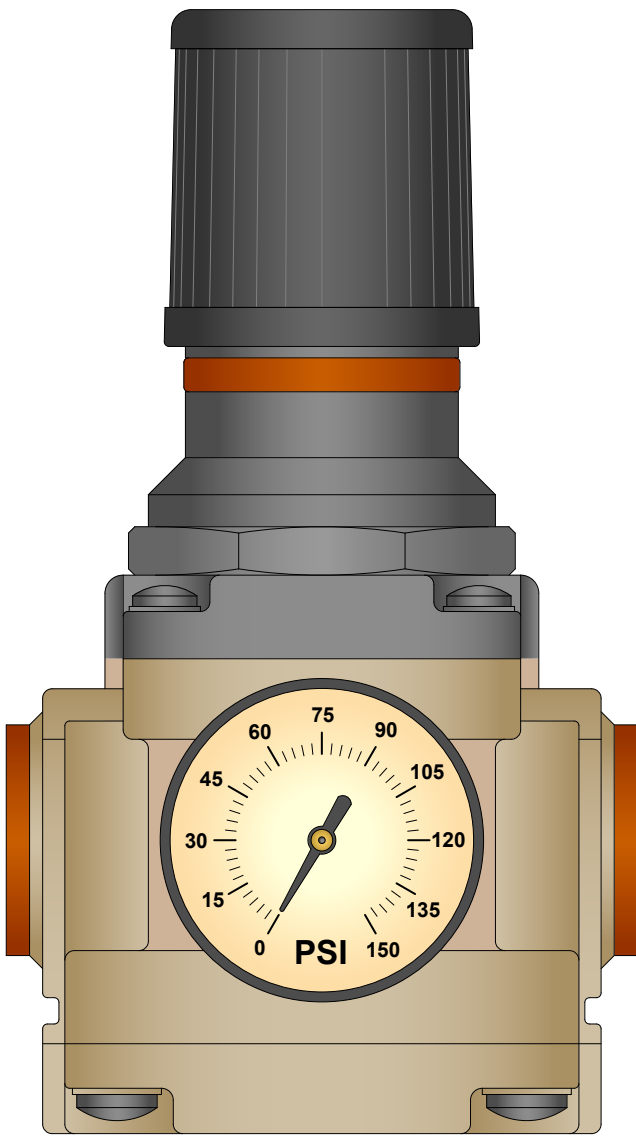


# Master Regulators for 2-Stage Compressors



## So What is a Master Regulator?

A master regulator is a regulator that has been specially configured to provide unusually high surge flows. In addition, they do not have the venting function of more mainstream regulators.

## Specifications

Max. Input Pressure: 200 PSI

Max. Output Pressure: 125 PSI

### 1/2" FNPT

Max Flow Rate: 140 SCFM

Compressor Size: 5 HP

### 3/4" FNPT

Max Flow Rate: 175 SCFM

Compressor Size: 7.5 & 10 HP

### 1" FNPT

Max Flow Rate: 210 SCFM

Compressor Size: 15 & 20 HP

The fundamental reason for two-stage air compressors is efficiency. They are specifically designed to produce more SCFM of compressed air per KW of electrical energy used. To achieve this efficiency, they must work at an operating pressure between 145 ~ 175 PSI, a pressure range that is too high for most normal compressed air applications. Rather than resetting the pressure switch to a lower setting, which will reduce efficiency, two-stage air compressors should be equipped with a master regulator. The output of the regulator is set to the desired shop pressure, 100 ~ 120 PSI, and, at the same time the compressor can operate at its highest efficiency range.

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