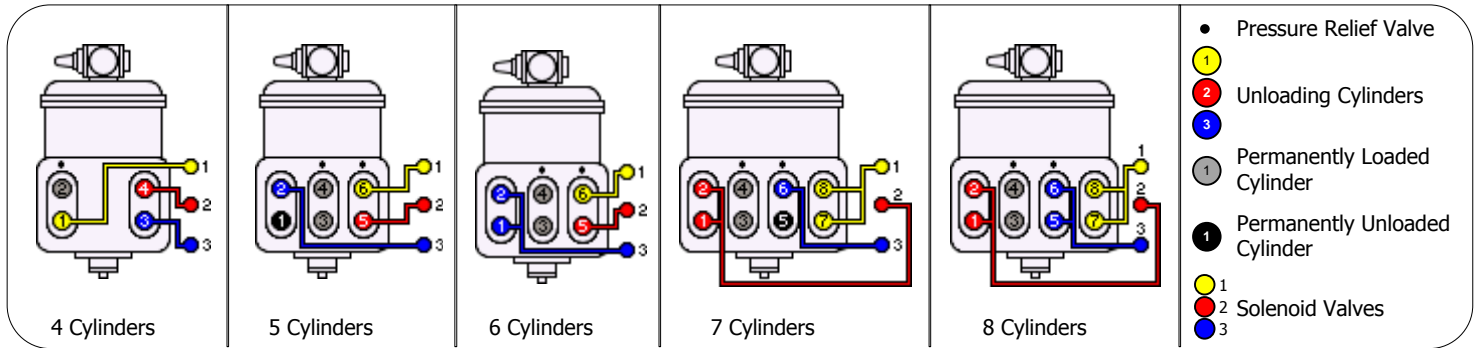
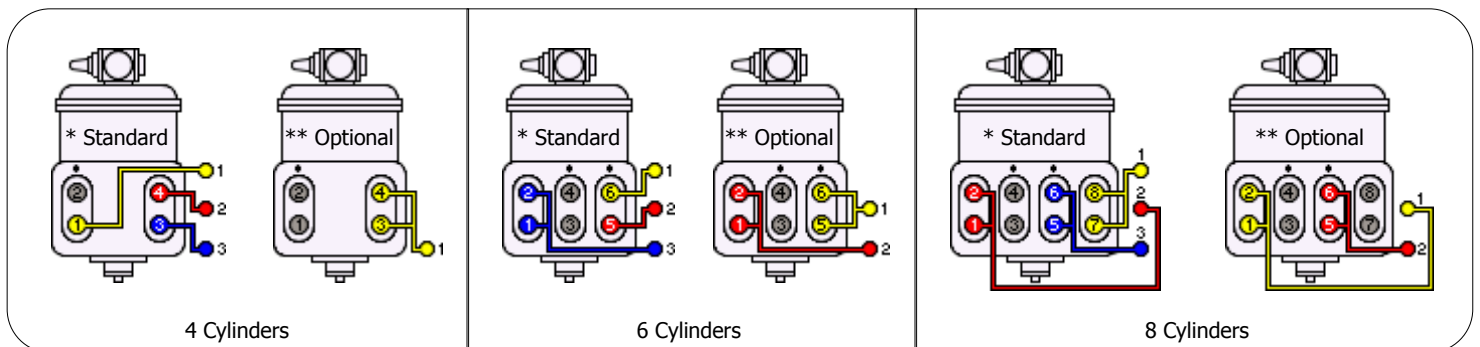


York
Model J Compressors
Unloading Characteristics

Style A, B, C, and D

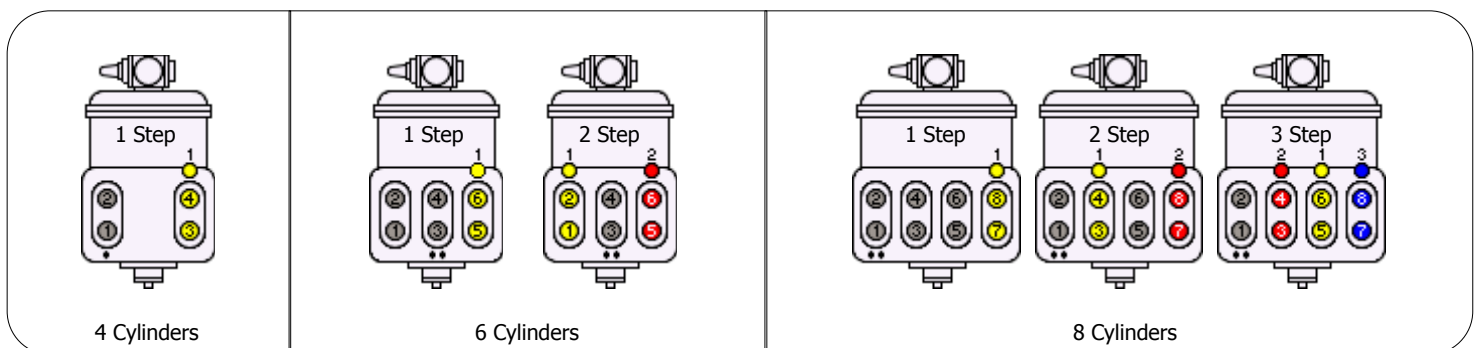


Style E and F



* Standard Unloading.
** Optional Unloading.

Style G, K, M



Solenoid valve numbers indicate loading sequence. Solenoid valves must be de-energized to load the cylinders for all styles.

York Model J Compressors Unloading Characteristics

Style E and F compressors are available in 4, 6, and 8 cylinder models only. Earlier styles (A, B, C, D) were also available in 5 and 7 cylinder models. A 5 cylinder model is basically a 6 cylinder compressor with one cylinder permanently unloaded. A 7 cylinder model is basically an 8 cylinder compressor with one cylinder permanently unloaded.

It may become necessary to convert a Style E or F (not Style G) 6 cylinder compressor to 5 cylinders, or an 8 cylinder compressor to 7 cylinders in the field in order to match capacity of an existing unit. This can readily be accomplished by removing the suction valve and suction valve springs from one cylinder of the compressor. It is important that these parts be removed from the correct cylinder to assure proper compressor operation. To convert to 5 cylinders, remove the suction valve and springs from cylinder number 1 of a 6 cylinder compressor. To convert to 7 cylinders, remove the suction valve and springs from cylinder number 5 of an 8 cylinder compressor.

The unloaders are actuated by an external power assembly (Style A only), an internal capacity control valve (Style A only), or electric solenoid valves. All three types of controls are installed in one of the crankcase cover plates (Styles A-F). The first two types of controls are responsive to suction pressure (and are no longer available). Style G, K, & M compressors have solenoid valves located near the heads (cylinders) that they control. These Style G solenoid valves control pistons that either block or allow the flow of suction gas to the cylinders. Solenoid valves are de-energized to load the cylinders and energized to unload the cylinders.