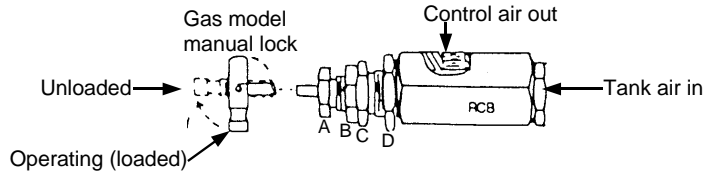


Adjusting Unloader Pilot Value



Operation: Pilot valves are used on gas engine or electric motor driven compressors, where the compressor is to maintain a constant pressure range while running continuously. The pilot valve may be used to operate a discharge line unloader or an unloading device in the compressor head.

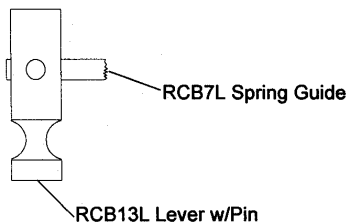
Unloading occurs when the receiver reaches a preset cut-out pressure. The pilot valve opens, actuating the unloading device and allows the compressor to run in an unloaded mode. When the receiver pressure drops to the preset cut-in pressure, the pilot valve closes allowing the unloading device to close and the compressor once again pumps into the receiver.

Pressure Adjustment: Loosen nut "B" and adjust screw "A" to desired cut-out pressure. Turn "A" clockwise to increase and counter clockwise to decrease. After setting tighten lock nut "B".

Differential Adjustment: Loosen nut "D", turn barrel "C" counter clockwise to decrease differential. This will lower top pressure, i.e., 100-120 lbs. to 100-130 lbs. If pilot valve "chatters", increase differential.

Manual Lock or Knob: Allows you to manually unload the compressor (for starting or warm-up) with air pressure in the tank. To unload, turn manual knob clockwise or flip lever to in-line position. Be sure to return lever to "loaded" position after starting engine or the pump will not operate at preset pressures.

Manual Control Model



Parts breakdown for Pilot Valve

Pilot Valve - RCB

