

**Carrier/Carlyle
06D/06E/05G Compressors
Pressure Unloaders**

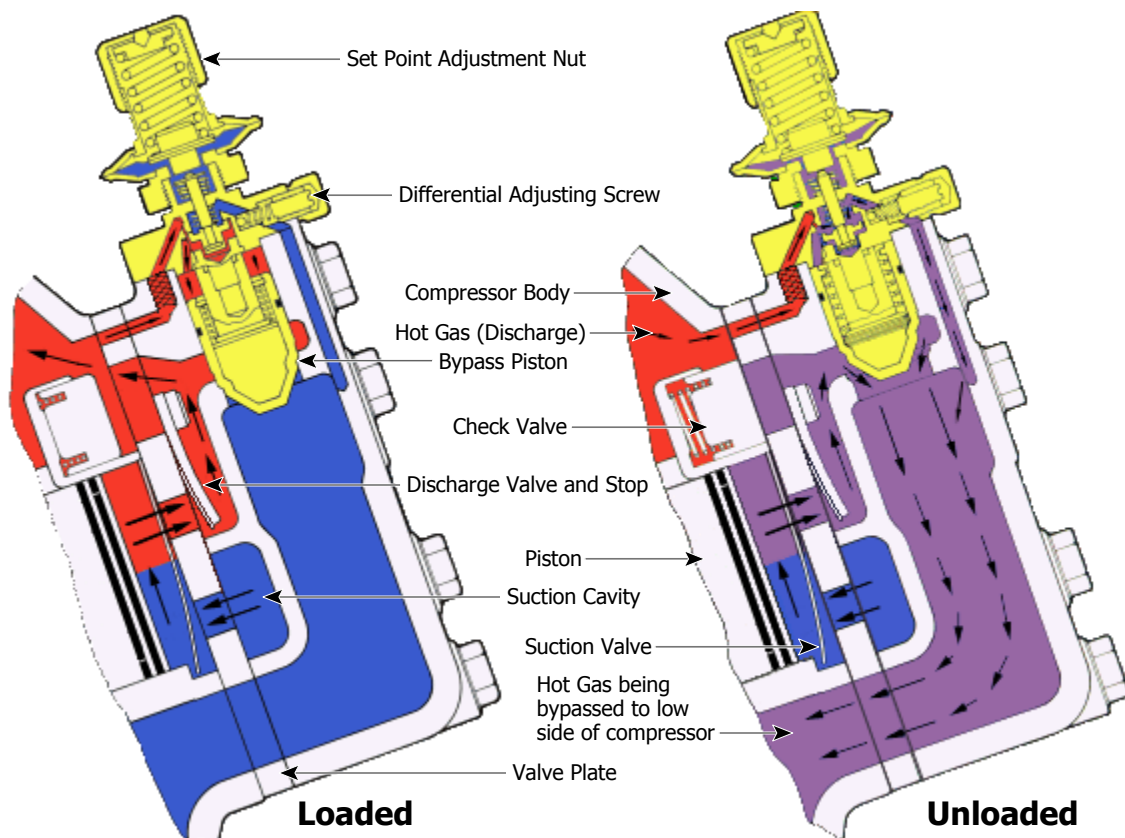
CAPACITY CONTROL ADJUSTMENT:

Control Set Point (cylinder load point) is adjustable from 0 psig to 85 psig. Pressure differential is adjustable from 6 psi to 22 psi.

To regulate Control Set Point: Turn adjustment nut clockwise to its bottom stop. In this position, set point is 85 psig. Control set point is then regulated to desired pressure by turning adjustment nut counterclockwise. Each full turn decreases set point by 7.5 psig. Approximately 11 1/2 turns counterclockwise will decrease set point to 0 psig.

Pressure Differential Adjustment: Turn differential adjusting screw counterclockwise to its back-stop position. In this position, differential is 6 psi. Pressure differential is set by turning adjustment screw clockwise. Each full turn increases differential by 1.5 psi. Approximately 10 turns clockwise will increase pressure differential to 22 psi.

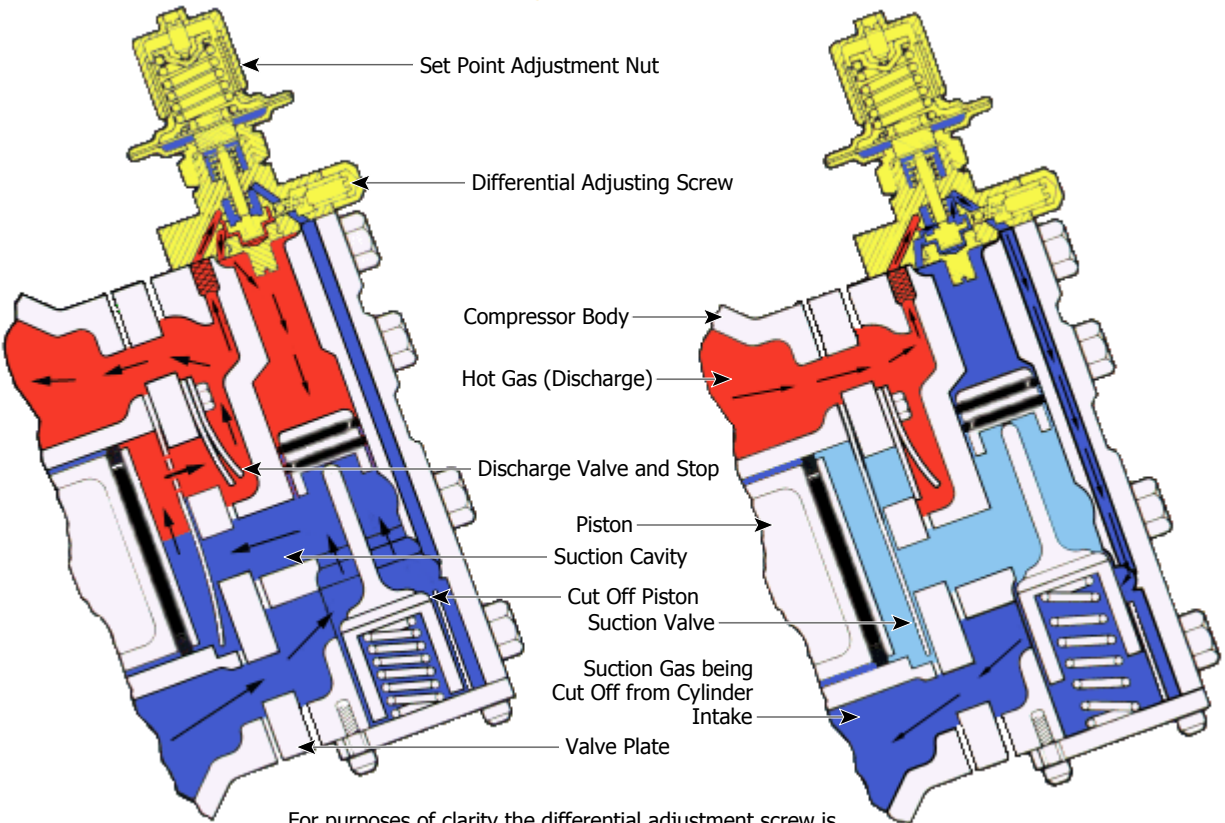
Hot Gas Bypass Unloading



For purposes of clarity the differential adjustment screw is shown as it is in the above diagrams. In reality it is located (behind) 90 degrees further from the front of the diagrams.

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Suction Cut Off Unloading



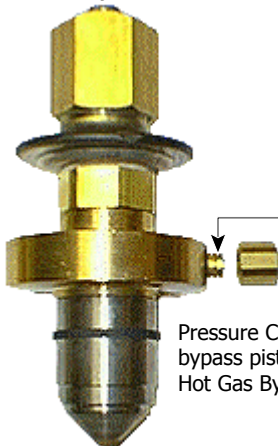
Loaded

For purposes of clarity the differential adjustment screw is shown as it is in the above diagrams. In reality it is located (behind) 90 degrees further from the front of the diagrams.

Unloaded

Set Point Adjustment Nut

Capacity Control Valve



Pressure Control with bypass piston installed for Hot Gas Bypass Operation.

An electric unloader valve is available. The bypass piston is installed for hot gas bypass unloading and removed for suction cut off unloading. It is actuated electrically by and external control.

Differential Adjustment Screw



Pressure Control with bypass piston removed for Hot Gas Bypass Operation.