

HVVCP

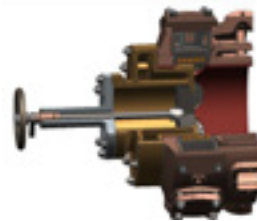
Hydraulic Variable Volume Clearance Pocket

With decades of experience our innovative HVVCP capacity control technology is safer than handwheel-operated variable volume clearance pockets, and allows automatic capacity adjustments while the compressor is running under load.

Stepless Capacity Control

The HVVCP hydraulic variable volume clearance pocket manufactured by Siemens can be applied to virtually any reciprocating gas compressor. Mounted in the outer head, it controls capacity of the head end of the cylinder by adjusting the clearance volume.

The HVVCP provides stepless capacity control capabilities that respond rapidly to changes in process demand, all while the compressor is running under load. This is a replacement for the handwheel-operated variable volume clearance pocket.



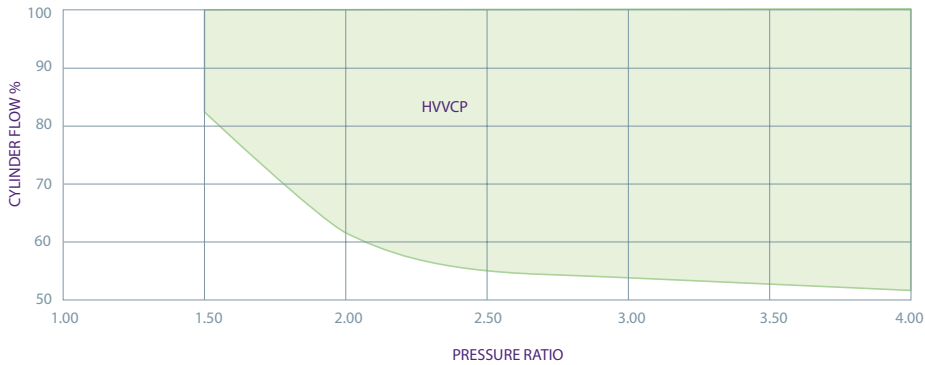
Handwheel-operated variable volume clearance pocket.



Hydraulic-operated variable volume clearance pocket.

HVVCP Application

HVVCPs are applicable for process machines, gas field machines, heavy/light gases, lube/non-lube, clean/dirty service, and sour gas applications.



Features	Benefits
"Bolt-on" adaptability	<ul style="list-style-type: none"> • Allows direct replacement for any head mounted handwheel-operated pockets • Does not require modification to the compressor cylinder
Manual, automatic, or remote control	<ul style="list-style-type: none"> • Provides fully adjustable capacity control on head end within limits set by pocket volume (~100% - 55%) • Allows safe and reliable capacity adjustment while the compressor is running under load • Provides operational cost savings • Reduces horsepower consumption and energy costs compared to bypass
Vent and purge capability	<ul style="list-style-type: none"> • Reduces fugitive emissions
No compressor speed limitation	<ul style="list-style-type: none"> • Can be applied to virtually any reciprocating compressor
Self-contained hydraulic system	<ul style="list-style-type: none"> • Requires no external hydraulic reservoir or power supply • Utilizes standard hydraulic components
Proven OEM design	<ul style="list-style-type: none"> • Achieves optimum reliability for reduced maintenance and downtime

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