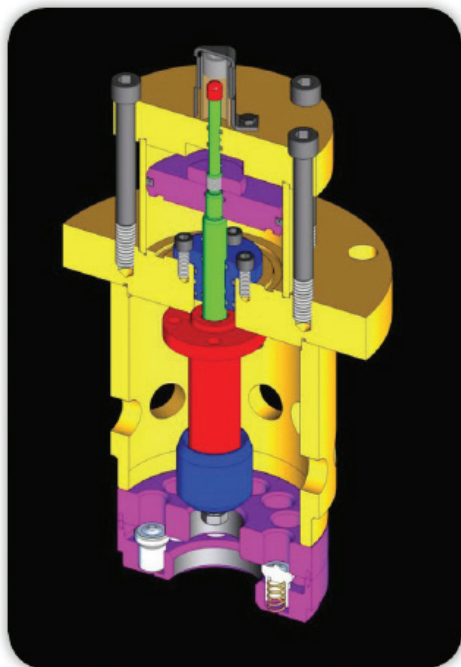


PLUG-TYPE END DEACTIVATOR



END DEACTIVATION USING PLUG-TYPE UNLOADERS

Deactivation of a cylinder end should be considered when significant changes in load or flow are required. When paired with clearance volume pockets, a substantial amount of relatively smooth unloading can be achieved.

When the plug is closed, gas travels through the suction valves as normal. When the plug is raised (opened), the suction valve port remains open, and therefore no gas is compressed. As the piston attempts to compress the gas, it simply pushes the gas back through the opening exposed in the suction valve.

Finger-type unloaders have small, breakable fingers that push on the valve plates while the plug-type unloaders apply no direct force to the valve plates. This key difference results in fewer maintenance issues in a critical component area - compressor valves.



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