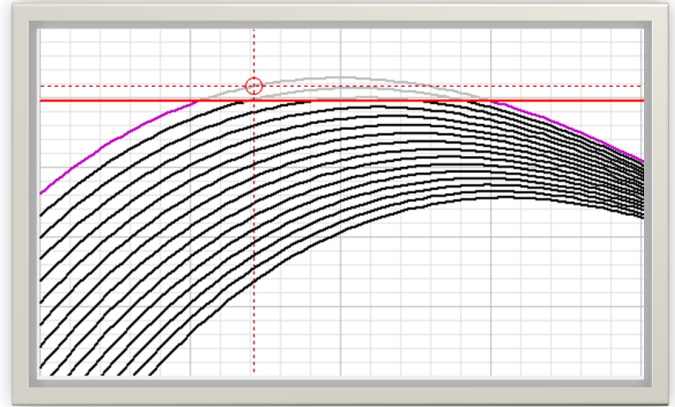


## Multiple Clearance Pockets per Cylinder Front Head

End-users and OEMs alike know that the best place to add clearance pockets is via the cylinder's front head. The reasons are obvious: front head pockets do not affect valve performance, nor do they obstruct maintenance access to valves.

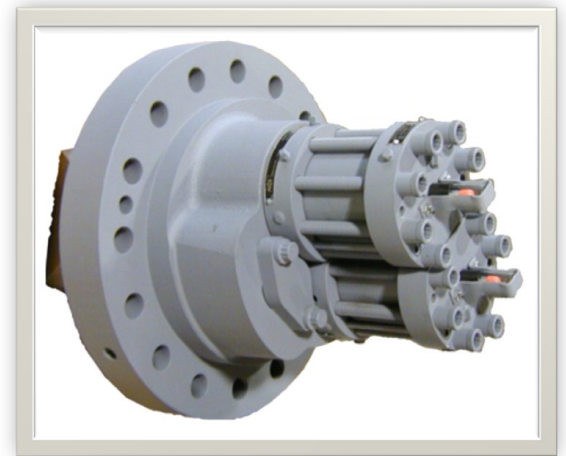
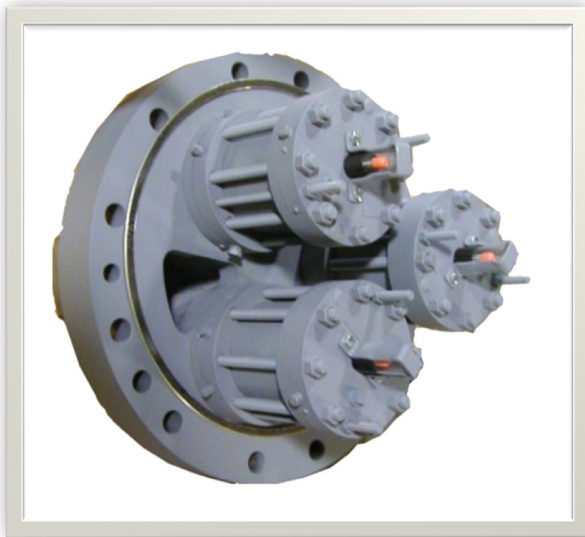
ACI designs and manufactures multiple-pocket heads — MultiPockets™. When the size of these pockets are judiciously chosen, a wide array of possible unloading steps can be realized.

For example, the adjacent curves show the potential coverage from just adding a pair of 2-pocket front heads. With a total of just four (4) distinct pockets, the end-user can achieve a total of sixteen (16) well-spaced load steps to cover the desired operating map.



With today's high-speed units, valve flow area can be very limited. As such, valve cap clearance pockets are often not feasible. Therefore, multiple-pocket heads can maximize the unit's operating potential, and thus providing increased revenues and often increased efficiencies.

MultiPockets™ utilize ACI's proven actuator designs, are available as standard options in some of the leading OEM sizing software, and are pressure-rated at the same MAWP as the cylinder body.



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