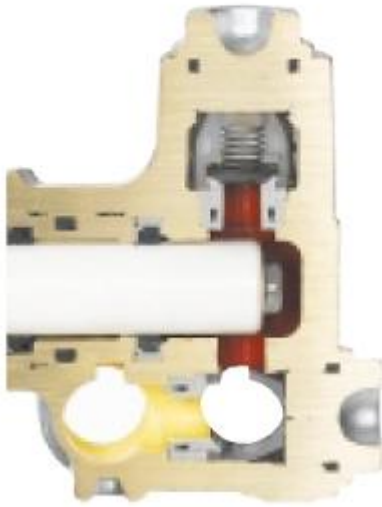


What does the S stamped in the manifold mean?

The - S - stamped in the manifold face indicates the pump contains stainless steel inserts in both the seal and valve chambers. These inserts offer extended life especially in hard water applications.

The New Self-Service Standard

The models 310/340 are the leading pump choices in self-service car wash installations. Their dependability and low maintenance assure your car wash is operating when you need it. The new 310S, 340S and 350S models feature 316SS sleeves in the seal and valve chamber for added life and wear resistance in hard water applications. With lifetime washout protection, the 310S series of pumps offer a new self-service standard.



310S, 340S, 350S

What is wash out?

Washout is erosion within the pump head, generally around sealing surfaces. The valve chamber surface that comes in contact with the valve seat o-ring is a typical place for erosion to begin. The contact point of the Hi-Pressure Seals is another location for erosion to begin. This erosion can occur on the manifold interior, the V-Packing Spacer or V-Packing Cylinder, depending upon the pump style. Pumps with erosion will begin losing pressure or show external water leaks. If the pump continues to operate with leaking seals, the erosion conditions will not be improved with a seal and o-ring change as the contact surfaces within the pump have eroded enough to cause poor sealing with the new seals and o-rings. Erosion can occur as a result of the liquid not being compatible with the liquid-end construction. Hard water, high pH liquids, sea water, acids or other harsh liquids can cause erosion. Continued operation with excessively worn seals and o-rings will also result in erosion. It is important to review your maintenance schedule and initiate a more frequent service cycle, so seals and o-rings are replaced before the pump begins leaking. When pumping difficult liquids, erosion can be minimized with a fresh water flush prior to dormant cycles. Flushing will help eliminate contaminants sitting in the pump for prolonged periods which will minimize attack and prolong the life of the pump. It is also important to review the Chemical Compatibility chart to determine if a 316 SS or Duplex SS upgrade is needed.