



Penn Valley Pump's *Maintain in Place* System

With an extremely low wear rate due to the low friction design, the Double Disc Pump™ will last thousands of hours between rebuilds. When maintenance is required, our patented **Maintain In Place** hinged housing design allows for quick and straightforward disassembly and reassembly, without disturbing the piping. With only five elastomeric components and a gasket set, PVP's double disc pumps can quickly be placed back into service.

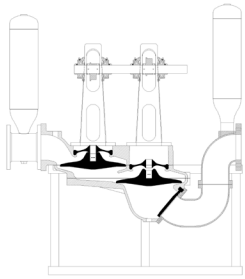


Figure 1

The process is started by removing the bolts from the suction housing starting from the discharge end.

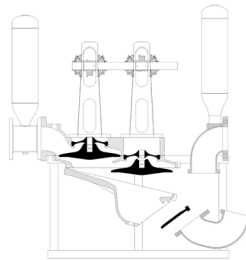


Figure 2

Then the bolts are removed from the swan neck allowing the housing to swing down via the hinge to the intermediate housing.

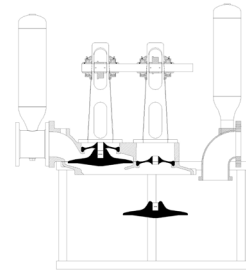


Figure 3

Once this is complete, the suction disc is removed, allowing for easy access and clearance under the frame.

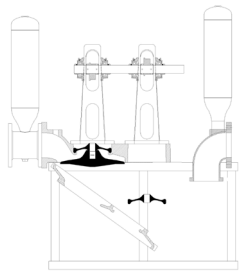


Figure 4

Next, the intermediate housing is removed for access to the suction trunnion and discharge disc. The intermediate housing also utilizes a hinge attachment to the discharge housing, allowing for easy removal of and access to the discharge disc.

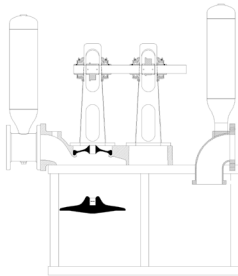


Figure 5

Removal of discharge disc after removal of intermediate housing.

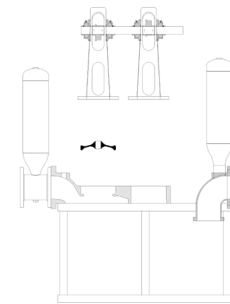


Figure 6

The drive assembly is then lifted from the discharge housing to allow removal and replacement of the discharge trunnion.

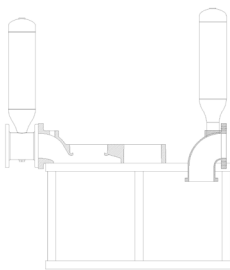


Figure 7

This design allows the discharge housing to remain in the frame and suction and discharge piping undisturbed. The discharge housing does not have a wear surface so there is rarely a need to remove this housing from the frame.

