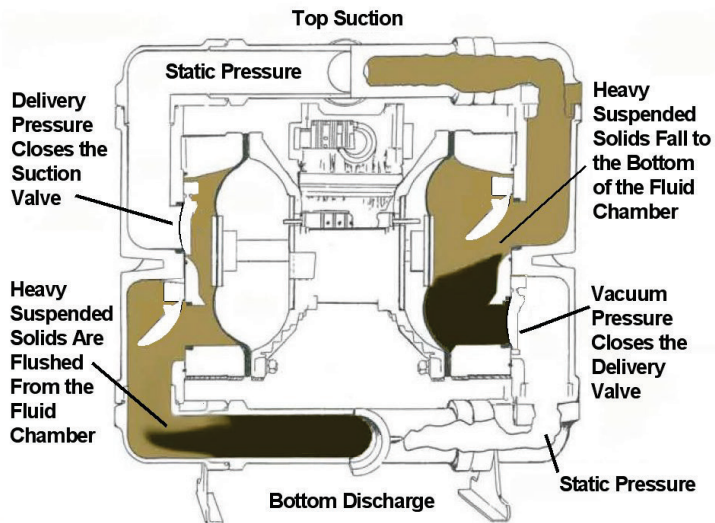


Pumps 2000 offer both Ball Valve and Slurry Valve pumps. This creates unique advantages over competitive pump manufacturers. All air operated diaphragm pumps, when correctly installed, effectively pump clean water and fluids. What sets the Pumps 2000 Pumps apart is our effectiveness in transferring both dirty water and slurries.

### Slurry Valve Pump

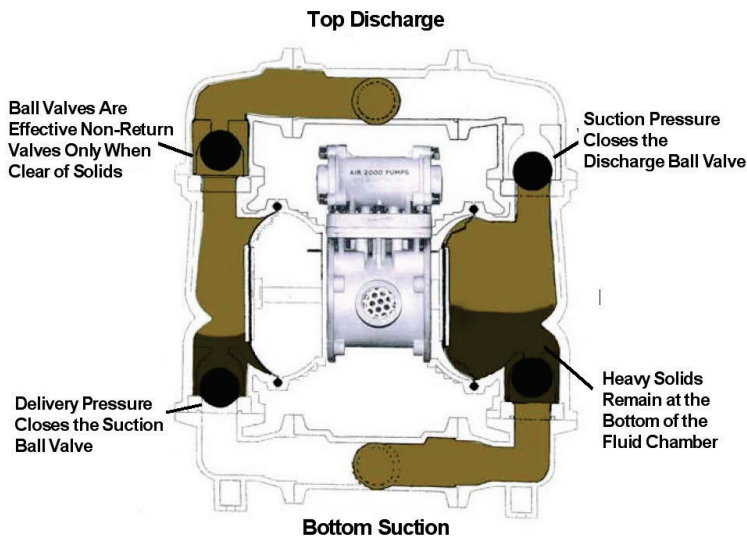


Slurry Valve pumps have a bottom discharge allowing the gravity assisted and free transfer of suspended solids through the pump. The top suction allows suspended solids to fall into the lower section of the fluid chamber. First the solids, then the fluid, is forced from the chamber through the discharge valve. Each stroke flushes the slurry solids using the fluid from the upper portion of the chamber.

The slurry valve design also offers significant advantages to conventional ball valve pumps when pumping even the the smallest of suspended solids. The Slurry Valve seats vertically, allowing suspended solids to move away from the non-return valve as it seats.

Ball valve pumps have a top discharge allowing the accumulation of suspended solids starting from the bottom of the chamber.

### Ball Valve Pump



The ball valve seats horizontally allowing small solids to lodge between the cage, ball and seat. When a ball valve pump fails to seal it's valves, the pump

continues to stroke but does not pump. So the pump is using compressed air but the fluid just moves back and forth between the chambers.

Pumps 2000's unique, patented design has addressed these issues with a ball and seat arrangement that allows for the passage of larger solids and prevents the accumulation of particulate.