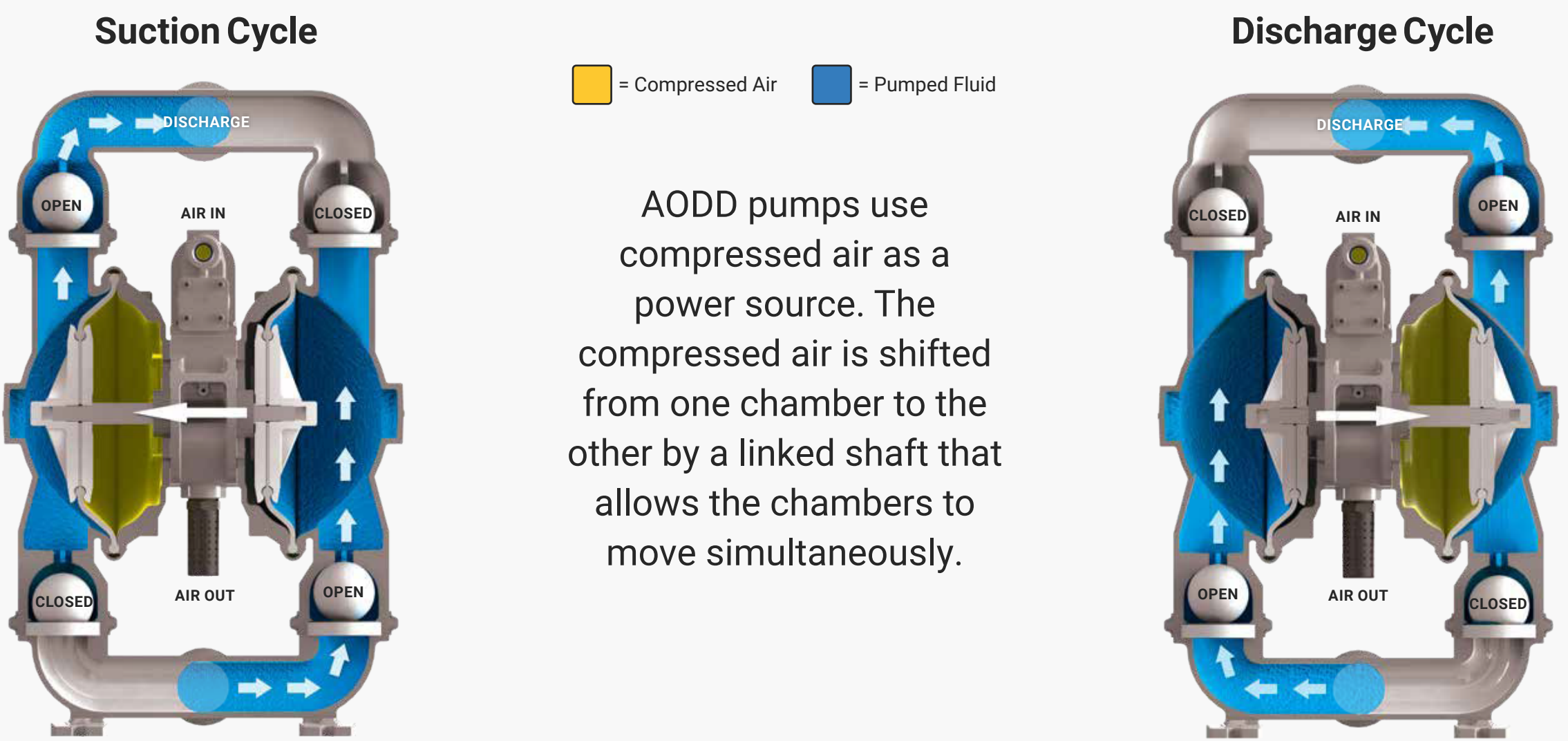


UNDERSTANDING COMPRESSED AIR AND AODD PUMPS

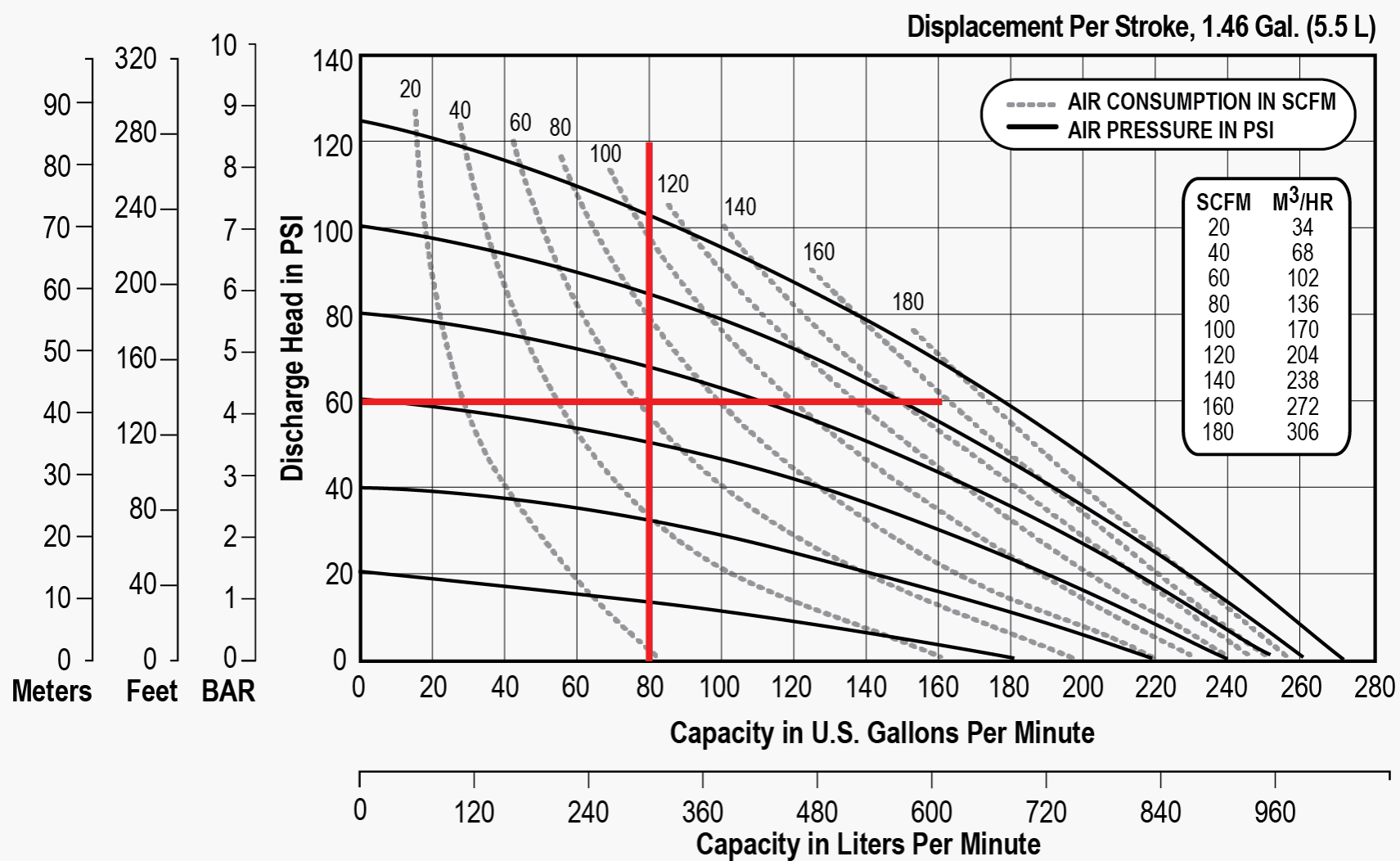
How AODD Pumps Work



Know Your Pump's Operating Point

The pump will always operate where the system and the pump curves intersect. **Most AODD pumps can operate at any air pressure, typically up to a maximum of 8.6 bar or 125 PSI.** You need an air compressor that can keep up with the air your pump is consuming, which is measured in CFM, also referred to as SCFM. Every AODD pump requires a certain amount of CFM, or SCFM, to deliver the required GPM.

How to Use Flow Curves to Accurately Determine the Amount of Compressed Air You Need



In the curve above, consider a 3" unit pumping 80 gpm at 60 feet TDH (total dynamic head). The point at which the two red lines intersect determines compressed air requirements for the pump. At the point of intersection, the pump will require about 70 PSI of air pressure and 60 SCFM of air volume.