

# Technical Data

ChemSafe 307 Diaphragm Pump		
	US	Metric
Maximum fluid working pressure	100 psi	0.69 MPa, 6.9 bar
Minimum air startup pressure	30 psi	0.21 MPa, 2.1 bar
Fluid inlet and outlet size	3/8 npt	3/8 bspt
Maximum suction lift (reduced if balls don't seat well due to damaged balls or seats, lightweight balls, or extreme speed of cycling)	Wet: 31.2 ft Dry: 10 ft	Wet: 9.5 m Dry: 3 m
Maximum size pumpable solids	0.08 in.	2 mm
Minimum recommended ambient air temperature for operation and storage. <b>NOTE:</b> ChemSafe pumps may be operated in low temperature environments. Take care to avoid freezing or crystallization of the fluid inside or outside of the pump. Running the pump at temperatures below freezing may accelerate the wear of the elastomer components in the pump.	32° F	0° C
Air consumption at maximum flow	9.3 scfm	0.26 scmm
Fluid flow per cycle	0.011 gallons	0.04 liters
Maximum free-flow delivery	6.7 gpm	25.4 lpm
Maximum pump speed	610 cycles per minute	
Weight	6 lb	2.7 kg
Wetted Parts	PTFE, EPDM, NBR, UHMWPE	
Maximum fluid temperature		
PTFE Pumps	212° F	100° C
UHMWPE Pumps	158° F	70° C
Noise (dBA) <i>Sound power was measured per ISO-9614-2: 1997. Sound pressure was tested 3.28 ft (1 m) from the equipment.</i>		
Sound Power		
At 100 cycles per minute	51.7 dBA	
At 610 cycles per minute	58.1 dBA	
Sound Pressure		
At 100 cycles per minute	61.5 dBA	
At 610 cycles per minute	67.7 dBA	