

03 Diaphragm Pumps

SANITARY

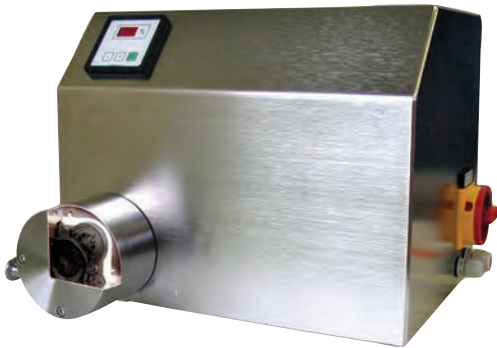


PUREFLO® 21 SUPER HYGIENIC DIAPHRAGM PUMP



FOR INTERNATIONAL & US MARKETS

Jabsco's Pureflo 4-piston diaphragm pump is designed to be used in pharmaceutical, biotech, food or cosmetic applications. The design complies with the stringent requirements of these industries. The pump and controls are mounted in a stainless steel cabinet. The system can be cleaned easily and the simple construction allows safe and easy use.



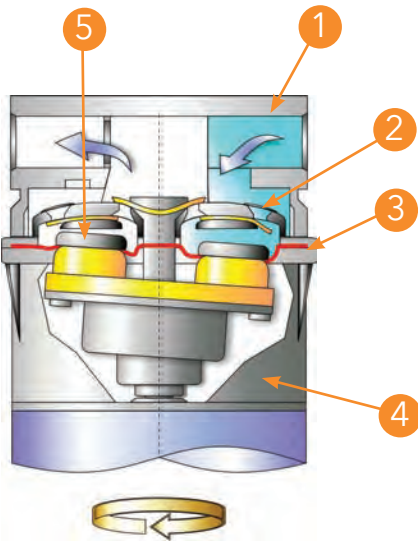
FEATURES

- Bench top complete unit
- Fixed or variable speed AC unit
- Easy to clean, no shaft seals
- Can run dry
- Low noise, constant flow
- Compact and small
- Adjustable flow up to 365 gph (1,380 lph)
- Pressure up to 87psi (6.0 bar), in constant use 72 psi (5.0 bar) should not be exceeded
- Temperature up to 140° F (60° C) in constant use, CIP up to 194°F (90° C) and SIP 275° F (135° C) is possible
- Viscosity up to 250 Centipoise
- Unit supplied with 3.1B material certificates
- SIP Capabilities

SPECIFICATIONS

DRIVE	
MOTOR	24 V DC
MOTOR PROTECTION	IP 54
VARIABLE SPEED	0 - 3,000 rpm
TORQUE	0.42 Nm at 3,000 rpm
MOTOR POWER	132 Watt, 8.7 Amp
ELECTRICAL DETAILS	
POWER SUPPLY	Intelligent controls enable operation at most single phase supplies, 115-240 V AC, 50 or 60 Hz
CONTROLS VOLTAGE	24 V DC
PROGRAMMABLE CONTROLS	Touch Pad 1 - 100 % nof speed
MATERIALS / SURFACES	
Parts in contact with fluid are manufactured from FDA conforming materials only.	
Surface finish Ra < 0.8 µ standard (32 micro inch), 0.5 µ (20 micro inch) and electro polish is available on request.	
PARTS IN CONTACT WITH FLUID	
HEAD	Stainless Steel 316L
DIAPHRAGM	Santoprene
VALVES / O-RING	EPDM / Buna
VALVE CHAMBER & PISTONS	Polypropylene
PORTS	Tri-Clamp ¾" (19mm)

TECHNICAL AND CONSTRUCTION DETAILS



1. Low carbon 316L pump head for reduced carbide precipitation, increased corrosion resistance and minimal carbon pullout.
2. Chemical resistant Polypropylene valve chamber and piston guarantees long-life of the system.
3. Hygienic Santoprene® diaphragm conforms to FDA requirements.
4. Non-contact cam assembly ensures super hygienic standards are maintained.
5. Valves in EPDM for optimum chemical resistance capability.

MODEL	PUREFLO 21	
Port Size	(inch)	Tri-Clamp ¾
	(mm)	19
Max Flow (per min)	(GPM)	6
	(LPM)	23
Max Pressure	(psi)	87
	(bar)	6
Max Speed	(RPM)	3000
Size LxBxH	(inch)	15x15x11.75
	(mm)	380x385x300
Weight	(lbs)	43
	(kg)	19.5
Max Operating Temp	(°F)	+140 (CIP 194)
	(°C)	+60 (CIP 90)
Viscosity	(cP)	250

