



**CPE SYSTEMS
INCORPORATED**

HIGH PROOF ALCOHOL PORTABLE VARIABLE SPEED PUMP ASSEMBLY

FOR CRAFT FOOD AND BEVERAGE INDUSTRIES

PUMPS

-

HOSES

-

HEAT EXCHANGERS

-

FLOW METERS

-

GASKETS

-

VALVES

-

FITTINGS

-

THERMOMETERS

-

PORTABLE SYSTEMS

-

AND MORE





High Proof Alcohol Pump Assembly



FLUX F 460 EX EL MOTOR

Explosion-proof commutator motor type F 460 Ex EL features a compact design, robust double shell housing in aluminium and very low noise level. Tested and certified according to ATEX-Directive 94/9/EC.

Variable speed control is included in the switch knob for an easy control of the delivery rate. Integral no-volt release provides additional safety to prevent any unintentional re-starting after a voltage discontinuity.

Armature is protected by a Ventilator, washer (deflector), and seal for cooling, fume, and moisture protection. It is also dynamically balanced, has heavy gauge wires, lacquer coated windings, and 36 bars for maximum surface area for efficiency.

FEATURES

- F420 thermal overload protection with manual reset
- 6.8 amp rating on nameplate – operates at less amps
- Cable disengagement protection
- Power cord can be replaced without motor disassembly
- Switch & cover are designed to keep out fumes and moisture
- Stator has wrapped coils for protection; also keeps out carbon dust
- Carbon brushes are easily accessible for inspection or replacement
- Insulating disc assures that no carbon dust from brush wear gets into the upper bearing
- Fumes are blocked in 2 areas when housing flange and bearing bracket engages the motor housing – provides fume protection when motor is not operating
- Lower housing two wall construction creates high velocity air flow in the open space for cooling efficiency and quiet operation
- Ergonomically designed heavy-duty handle (aluminum construction / corrosion proof coating)
- Steel drive coupling/ coated for corrosion resistance
- Large bearings are sealed:
 - 24 mm OD, 7 mm w, 9 mm opening
 - 32 mm OD, 10 mm w, 12 mm opening
- Circlip, ball bearing compensation disc, and o-ring assures top-end alignment of the armature

Motor, Electrical:

- Single Phase - 220 volts - 9,500 rpm

Horsepower:

- 1/4 HP

Ø Input

- 230 VAC, 50/60 Hz

Motor Housings:

- TEFC (Totally Enclosed Fan Cooled)
- Alluminum double shell

Approx Dimensions:

- 12" x 7 1/2"



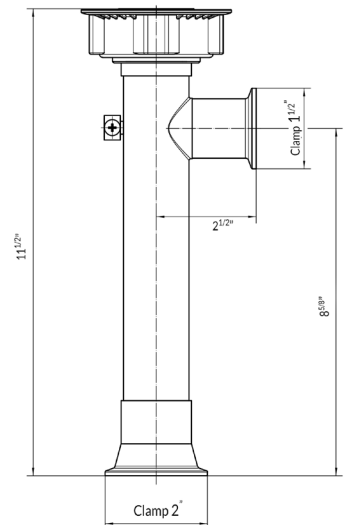
FLUX ATTACHMENT PUMP FP 424 EX

Pump Connections:

- Clamp 2" x 1 1/2"

Pump Construction Materials:

- All wetted parts - 316 SS
- Seals - Carbon (other seals available)
- FKM, EPDM, and PTFE are available
- PTFE impeller





Materials

Parts in contact with product: Stainless steel AISI 316L

Other steel parts: Stainless steel AISI 304

Gaskets in contact with product: EPDM

Mechanical seal

Rotary Seal: Carbon

Stationary Seal: Ceramic

Gaskets EPDM

Surface finish: Bright polish

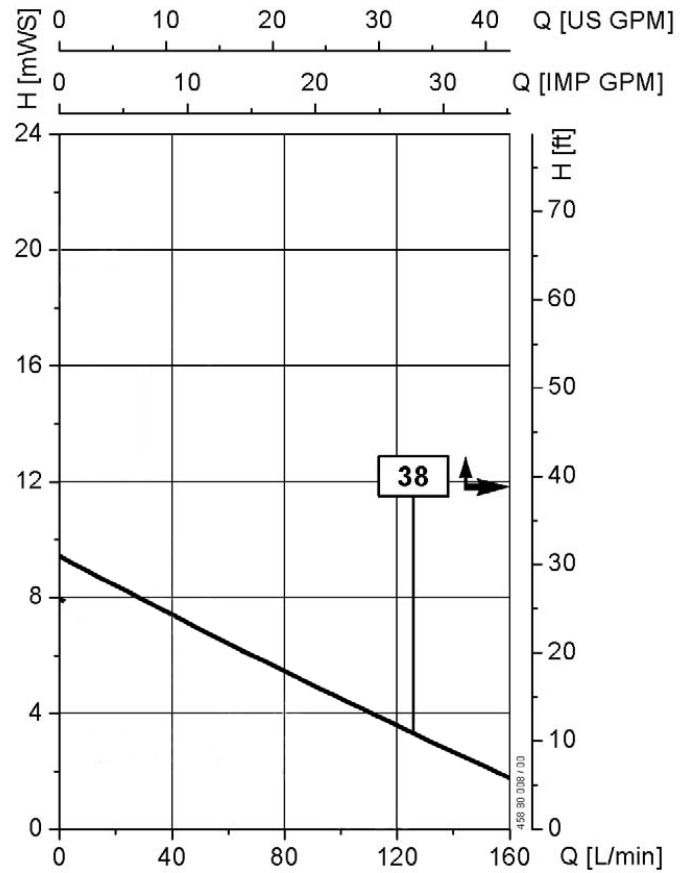
Operating limits

Nominal pressure: 25 ft

Temperature range: 14 °F

Maximum flow: 30 US GPM

Maximum speed: 9500 rpm



Pump Cart



Custom designed for the craft food and beverage industry, this is our smallest pump cart built for up to 2HP pumps. This cart is aerodynamic, tilt draining, has a small footprint and has easy maneuverability. All parts hand welded in Canada for quality assurance and durability.

MATERIAL

Frame 16 ga stainless steel square tube

Handle 16 ga stainless steel square tube

Platform 14 ga Stainless steel AISI 304

Axle 1/2 ga Stainless steel rod axle

Wheels 5" non marking neoprene wheels with sliding pin clips