



SF100-D-P-L HYDRONIC SYSTEM FEEDER TECHNICAL INFORMATION

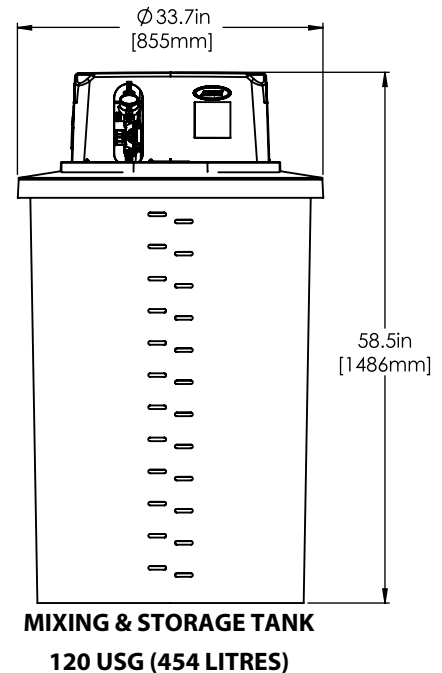
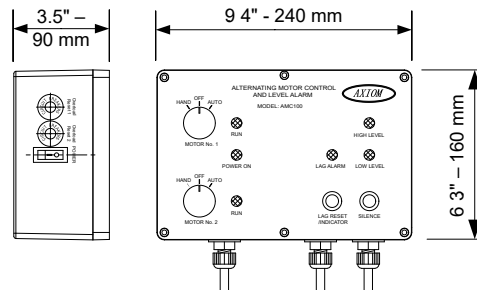
DIMENSIONS :

WEIGHT :

System Feeder 37 kg, 82 lbs (Empty)
Panel - 2 kg (5 lbs)

ELECTRICAL :

Pumps - 115/60/1, 0.7 amps
Panel Ratings - 110-125V/60/1
7 full load amps max. per motor
Dry contact limits - 2A/120Vac.



PUMP PERFORMANCE (2 PUMPS) :

0.09 l/s (1.4 gpm) @ free flow
Combined Flow : 0.18 l/s (2.8 gpm)
0.06 l/s (1.0 gpm) @ 345 kPa (50 psig)
Combined Flow : 0.12 l/s (2.0 gpm)
Self-priming up to 2.1 m (7 feet)
Maximum liquid temp. 77 C (170 F)

SPECIFICATION :

Hydronic system feeder and alternating panel shall be AXIOM INDUSTRIES LTD. Model SF100-D-P-L. System shall include 454 litre (120 US gallon) storage/mixing tank with cover; pump suction hose with inlet strainer; two pressure pumps with thermal cut-out; pump isolation valves; two integral pressure switches; integral check valve; pre-charged accumulator tank with EPDM diaphragm; manual diverter valve for purging air and agitating contents of storage tank; factory set pressure relief valve; pressure regulating valve adjustable (35 – 380 KPa; 5 – 55 psig) complete with pressure gauge; built-in check valve; union connection; 12 mm (½”) x 900 mm (36”) long flexible connection hose with check valve; high level float; low level float and pump cut-out. Pressure pumps shall be capable of running dry without damage. Power supply 115/60/1 2 A. Unit shall be completely pre-assembled.

The control panel shall operate in an alternating lead/lag configuration to control the pumps as required. The control panel enclosure shall be manufactured from ABS. The components shall include : 1 power indication light, 2 “Hand-Off-Auto” switches, 2 motor run lights; alarms for low level, high level, and lag run. Alarms shall have lights, a buzzer with silence button, and selectable use dip switch. Inputs shall be selectable for NO or NC operation. There shall be dry contact outputs for remote indication of motor run, low and high level, and lag alarm. A low-level condition shall shut down the motor outputs. The panel shall carry an electrical rating of 7 FLA per circuit at 120-125V/60/1. Each circuit to have overload and short circuit protection and utilize individual overload reset buttons. The dry contacts shall be rated for 2A/120VAC. The control panel shall be certified by a recognized testing agency to CSA standard C22.2 No. 61010-1.

OPTIONAL ACCESSORIES :

☐ **2PRV** -- Second Pressure Reducing Valve, Pressure Gauge, System Connector Hose and Check Valve to allow for independent pressure supply to a second system.

LIMITED WARRANTY :

The SF100-D-P is warranted against defects in materials and workmanship for one year.

Project

Location

Consultant

Contractor

Unit Tag

Sales Agent