

SYSTEM FEEDER

AXIOM

SF100-D-P-4x



5-55 Psi
(60 USG)

- A Adjustable pressure set point between 5-55 psi
- A Includes **Two** pumps for seamless and reliable operations
- A **[NEMA 4x]** rated Alternating control panel for lead/lag operation, high level alarm and H/O/A pump switches
- A 60 USG reservoir tank stores (227) liter of fluid
- A No direct connection to potable water supply eliminates need for backflow prevention
- A Feeders are compatible with both water and glycol/water solutions
- A Translucent reservoir provides notice that system may have developed a leak and mitigates potential for flooding disaster
- A Diverter valve allows easy purging of air on initial start-up and manual mixing of fluid in the tank
- A Fluid drained for service from the system can easily be recovered to the tank
- A Fluid level switch shuts pump off if the storage tank level gets too low
- A All units plug into any standard 115 VAC outlet

Axiom System Feeders are designed to simplify the process of maintaining the cold static fluid pressure in closed-loop heating and cooling systems. Having a reservoir of suitable make-up fluid eliminates the need for backflow prevention and helps solve many of the associated problems when using domestic water as a make-up fluid.

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PressurePal



SF100-D-P-4x HYDRONIC SYSTEM FEEDER TECHNICAL INFORMATION

DIMENSIONS :

WEIGHT :

System Feeder 32 kg, 70 lbs (Empty)
Panel - 2 kg (5 lbs)

PUMP ELECTRICAL :

115/60/1, 0.7 amps each pump
3-prong plug and cord

PUMP PERFORMANCE :

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 3.3 m (11 feet)
Maximum liquid temp. 77 C (170 F)

SPECIFICATION :

Hydronic system feeder and Alternating panel shall be AXIOM INDUSTRIES LTD. Model SF100-D-P-4x. System shall include 227 litre (60 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; low level pump cut-out. Pressure pumps shall be capable of running dry without damage. Power supply 115/60/1 1.4 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 shall be mounted inside an ABS 4x enclosure c/w wall mounting kit. 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.
- SF100-2240** -- 454 litre (120 US gallon) containment tank

LIMITED WARRANTY :

The SF100-D-P-4x is warranted against defects in materials and workmanship for one year.

Project

Location

Consultant

Contractor

Unit Tag

Sales Agent

