

# SYSTEM FEEDER



## SF100-D-P



- Ⓐ Adjustable pressure set point between 5-55 psi
- Ⓐ Includes **Two** pumps for seamless and reliable operations
- Ⓐ Alternating Control Panel for lead/lag operation, high level alarm and H/O/A pump switches
- Ⓐ 55 USG reservoir tank stores (208) liter of fluid
- Ⓐ No direct connection to potable water supply eliminates need for backflow prevention
- Ⓐ Feeders are compatible with both water and glycol/water solutions
- Ⓐ Translucent reservoir provides notice that system may have developed a leak and mitigates potential for flooding disaster
- Ⓐ Diverter valve allows easy purging of air on initial start-up and manual mixing of fluid in the tank
- Ⓐ Fluid drained for service from the system can easily be recovered to the tank
- Ⓐ Fluid level switch shuts pump off if the storage tank level gets too low
- Ⓐ All units plug into any standard 115 VAC outlet

**5-55 Psi**  
(55 USG)

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 HYDRONIC SYSTEM FEEDER TECHNICAL INFORMATION

### **DIMENSIONS :**

**WEIGHT :** 56.6 kg, 125 lbs (Empty)

### **PUMP ELECTRICAL :**

115/60/1, 0.7 amps  
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 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. System shall include 208 litre (55 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; 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 3.8 A. Unit shall be completely pre-assembled and certified by a recognized testing agency to CSA standard C22.2 No 68.

### **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 \_\_\_\_\_  
Consultant \_\_\_\_\_  
Unit Tag \_\_\_\_\_

Location \_\_\_\_\_  
Contractor \_\_\_\_\_  
Sales Agent \_\_\_\_\_