

# SYSTEM FEEDER

AXIOM

## SF100-HP-L



- Adjustable pressure set point between 25-85psi
- No direct connection to potable water supply eliminates need for backflow prevention
- 100 USG reservoir tank stores suitable replacement fluid to automatically maintain system pressure
- 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

**25-85 Psi**  
(100 US Gal)

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.

✉ [info@axiomind.com](mailto:info@axiomind.com)

☎ (877)651-1815

🌐 [WWW.AXIOMIND.COM](http://WWW.AXIOMIND.COM)

PressurePal



## SF100-HP-L HYDRONIC SYSTEM FEEDER TECHNICAL INFORMATION

### DIMENSIONS :

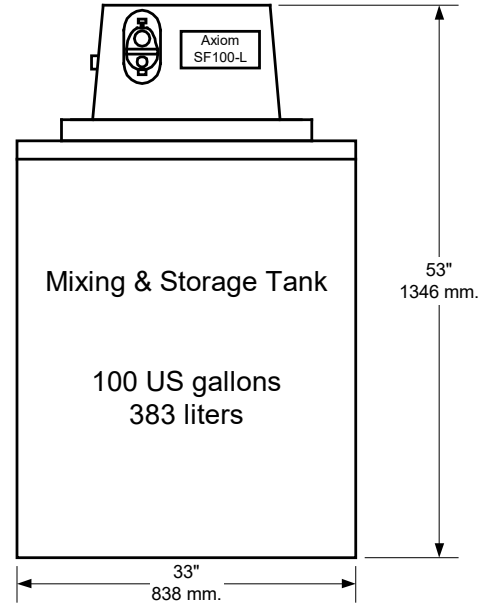
**WEIGHT :** 25 kg, 55 lbs (Empty)

### PUMP ELECTRICAL :

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

### PUMP PERFORMANCE :

0.10 l/s (1.6 gpm) @ free flow  
0.08 l/s (1.3 gpm) @ 585 kPa (85 psig)  
Self-priming up to 2.1 m (7 feet)  
Maximum liquid temp. 77 C (170 F)



**Certified to CAN/CSA  
C22.2 No. 68**

**Intertek**

**Conforms to  
UL 739901055**

### SPECIFICATION :

Hydronic system feeder shall be AXIOM INDUSTRIES LTD. Model SF100-HP-L. System shall include 383 litre (100 US gallon) storage/mixing tank with cover; pump suction hose with inlet strainer; pressure pump with thermal cut-out; integral pressure switch; integral check valve; cord and plug; pre-charged accumulator tank with EPDM diaphragm; manual diverter valve for purging air and agitating contents of storage tank; pressure regulating valve adjustable (173 – 600 KPa; 25 – 85 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 pump shall be capable of running dry without damage. Power supply 115/60/1 0.9 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.
- RIA10-1-SAA** -- Low level Alarm Panel c/w Remote Monitoring Dry Contacts and Selectable Audible Alarm

### LIMITED WARRANTY :

The SF100-HP-L is warranted against defects in materials and workmanship for one year.

Project \_\_\_\_\_  
Consultant \_\_\_\_\_  
Unit Tag \_\_\_\_\_

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