

# MODEL SF100 PACKAGED HYDRONIC SYSTEM FEEDER

The SF100 contains everything required to feed and pressurize closed hydronic heating or cooling systems in a neat, simple package that is easy to install and operate. It is compatible with both water and water/glycol solutions.



- 208 litre (55 US gallon) tank for storage and mixing
- Plugs into any standard 115 VAC outlet
- Fluid level switch shuts the pump off if the storage tank level gets low
- Accumulator tank prevents excessive pump cycling
- *No direct connection to potable water supply eliminates need for backflow prevention*
- *Make-up fluid stored in the feeder tank can be pre-treated*
- Diverter valve for purging of air on initial start-up and manual agitation of solution
- Prevents major floods in the event of system rupture, only the contents of the tank can be pumped into the system
- Provides leak detection dropping fluid level provides immediate notice that the system has developed a leak
- Fluid drained for service can easily be put back into the system
- Flexible connection hose with system check valve makes installation easy

Represented By:

www.axiomind.com





# **INDUSTRIES LIMITED**

# SF100 HYDRONIC SYSTEM FEEDER TECHNICAL INFORMATION

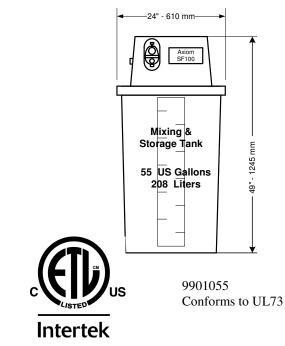
WEIGHT - 16 kg, 35 lbs.

## **ELECTRICAL**

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

## PUMP PERFORMANCE

0.09 l/s (1.4 gpm) @ free flow 0.06 l/s (1.0 gpm) @ 345KPa (50 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

#### **SPECIFICATION**

Hydronic system feeder shall be AXIOM INDUSTRIES LTD. Model SF100. System shall include 208 litre (55 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 (35 – 380 KPa; 5 – 55 psig) complete with pressure gauge; built-in check valve; union connection; 12 mm ( $\frac{1}{2}$ ") 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 0.7 A. Unit shall be completely pre-assembled and certified by a recognized testing agency to CSA standard C22.2 No 68.

#### **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 is warranted against defects in materials and workmanship for one year.

Project	Location
Consultant	Contractor
Unit Tag	Sales Agent