

**MODEL SF100-D PACKAGED HYDRONIC SYSTEM FEEDER  
“DUPLEX UNIT”**

*The SF100-D 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.*



**Duplex Unit**

**FEATURES and BENEFITS**

- *Two pumps for seamless and reliable operation*
- *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*



# INDUSTRIES LIMITED

## SF100-D HYDRONIC DUPLEX SYSTEM FEEDER TECHNICAL INFORMATION

**WEIGHT** - 18 kg, 40 lbs.

### ELECTRICAL

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

### 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) @ 345KPa (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)

Certified to CAN/CSA  
C22.2 No. 68



9901055  
Conforms to UL73



### SPECIFICATION

Hydronic system feeder shall be AXIOM INDUSTRIES LTD. Model SF100-D. 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; integral pressure switches; 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; integral replaceable strainer; built-in check valve; union connection; 12 mm (1/2”) 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 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-D is warranted against defects in materials and workmanship for one year.

Project \_\_\_\_\_ Location \_\_\_\_\_  
 Consultant \_\_\_\_\_ Contractor \_\_\_\_\_  
 Unit Tag \_\_\_\_\_ Sales Agent \_\_\_\_\_