



INDUSTRIES LTD.

MODEL SF100-UHP PACKAGED HYDRONIC SYSTEM FEEDER

ULTRA HIGH PRESSURE UNIT

The SF100-UHP 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.

35-125 psi



FEATURES and BENEFITS

- 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

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INDUSTRIES LIMITED

Represented By:

SF100-UHP HYDRONIC SYSTEM FEEDER TECHNICAL INFORMATION

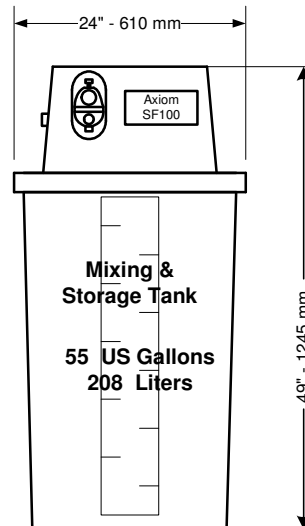
WEIGHT - 16 kg, 35 lbs.

ELECTRICAL

115/60/1, 0.9 amps
3-prong plug and cord

PUMP PERFORMANCE

0.10 l/s (1.5 gpm) @ free flow
0.055 l/s (0.86 gpm) @ 690 KPa (100 psig)
Self-priming up to 2.1 m (7 feet)
Maximum liquid temp. 77 C (170 F)



SPECIFICATION

Hydronic system feeder shall be AXIOM INDUSTRIES LTD. Model SF100-UHP. 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 Butyl rubber diaphragm; manual diverter valve for purging air and agitating contents of storage tank; pressure regulating valve adjustable (241 – 862 KPa; 35 – 125 psig) complete with pressure gauge; integral replaceable strainer; 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.

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-UHP is warranted against defects in materials and workmanship for one year.

Project _____	Location _____
Consultant _____	Contractor _____
Unit Tag _____	Sales Agent _____