DSF100 HYDRONIC SYSTEM FEEDER TECHNICAL INFORMATION

DIMENSIONS :

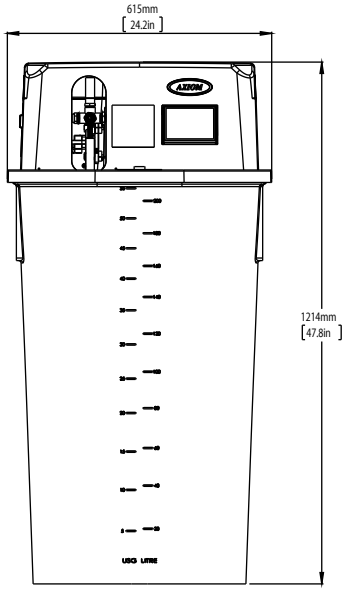
WEIGHT : 20 kg, 43 lbs (Empty)

PUMP ELECTRICAL :

120/60/1, 5.0 amps
3-prong plug and cord

PUMP PERFORMANCE :

0.09 l/s (1.4 gpm) @ free flow
0.05 l/s (0.8 gpm) @ 621 kPa (90 psig)
Self-priming up to 2.1 m (7 feet)
Maximum liquid temp. 77 C (170 F)



MIXING & STORAGE TANK
60 USG (227 LITRES)

Certified to CAN/CSA C22.2 No. 68

Intertek 9901055

Conforms to UL 73

SPECIFICATION :

Hydronic digital system feeder shall be AXIOM INDUSTRIES LTD. Model DSF100. System shall include a digital pressure controller with electronic pressure sensor; 227 L (60 US gallon) storage/mixing tank with cover and volume markings in litres and US gallons; low-level float switch with pump cut-out; self-priming, dry-run-capable pump with internal thermal cut-out; suction hose and inlet strainer; cord and plug with a minimum length of 1.83 m (6 ft); combination air-purging and solution-agitation valve; integral check valve; system drain valve; and 1/2 in. NPT system connection.

Controller shall continuously display system pressure and be adjustable from 0 to 621 kPa (0 to 90 psig). Pump cut-in and cut-out pressure shall be independently adjustable. Controller shall include adjustable low and high-pressure alarms and adjustable maximum pump cycle time. Adjustable maximum system pressure setting shall override normal pump control and prevent pump operation above the set limit.

Controller shall include on-screen identification and silencing of low-level, low-pressure, and high-pressure alarms. Visual and audible alarms shall be provided. Low-level, low-pressure, and high-pressure alarm conditions shall activate a shared remote dry-contact alarm output. Alarm output operation shall be configurable as normally open (N.O.) or normally closed (N.C.) operation. Controller shall include functional tests for pump operation and dry-contact output.

Power supply shall be 120 VAC, 60 Hz, 1 phase, 5.0 A. Unit shall be pre-assembled, compatible with water and compatible, non-flammable glycol solutions, and certified to CAN/CSA C22.2 No. 68 and UL 73.

OPTIONAL ACCESSORIES :

☐ **SF100-2240** -- 120 U.S. gallon spill containment basin

LIMITED WARRANTY :

The DSF100 is warranted against defects in materials and workmanship for one year.

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

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