



Refrigerated Display Case Condensate Pumps Prevent Water Damage and Shutdown of Refrigerated Display Cases

Our self-learning, self-monitoring condensate pumps utilize Proactive AI Technology, predictive analytics, diagnostics, and a proactive alarm system.

Refrigerated display cases operate more efficiently and trouble free with smart, predictive and preventive care.

Two models:

- Horizontal, low profile 2.44"/62mm height with 1 gallon/4 liter reservoir - under cabinet model
- Vertical, larger 2 gallon/8 liter reservoir model

FEATURES:

- Non-intrusive audible & visual alarm highlighting any alarm status without causing major disruptions
- 7 alarms identified by audio/visual indication
- Self-calibrating pump monitoring system, using Hartell's AI Pro-active alarm technology
- Trouble-free installation
- Input voltage: 115V or 230V 50/60hz +/- 10%
- Inlet Connection: 2 in. (50mm) ID
- Outlet Connection: ½ in.(14mm) OD

**Keeps Refrigerated Display
Cases Running Smoothly
with Smart, Predictive, and
Preventive Care**



HDP-Ai-X

The non-intrusive audible alarm highlights any alarm status, without causing major disruption, while the multi-function visual indicator provides instant diagnostics for the maintenance engineer with a quick and easy diagnostic of the status of the system. Potential alerts include:



Unique Alarm Features:

- ▶ Pump Head Too High.
- ▶ Discharge Line Open.
- ▶ Discharge Line Partially Restricted.
- ▶ Discharge Line Fully Restricted.
- ▶ Pump Motor Internal Restricted.
- ▶ Pump Motor Fault.
- ▶ Filter Blocked.
- ▶ Built-in Maintenance Monitor.

Key Features:

- ▶ Two Available Models:
HDP-Ai-V1 7.8 l Reservoir.
HDP-Ai-H1 4.0 litre Reservoir/62mm Height
- ▶ 35m Pumping Head.
- ▶ 80 l/hr Flow Rate.
- ▶ Volt-Free BMS Interface.
- ▶ Built-in Audio-Visual Alarm.
- ▶ Optional Remote Visual Indicator.
- ▶ Self-Calibrating Ai Monitoring Technology.
- ▶ Built-in Maintenance Monitor.
- ▶ Input Voltage 230v 50Hz.
- ▶ 40mm & 50mm Inlets.
- ▶ 16mm Outlet Connection.

No specialist commissioning or training for installation is required as Hartell's AI technology is self-calibrating and the maintenance monitor ensures the pumps are regularly maintained.

Lift/Feet	0'	32.8'	65.6'	98.4'	115'
Lift/Meters	0	10	20	30	35
Horizontal Run 3'/1m	21.1 gal/hr (80 l/hr)	9.5 gal/hr (36 l/hr)	6.0 gal/hr (23 l/hr)	4.2 gal/hr (16 l/hr)	
	17.9 gal/hr (68 l/hr)	7.9 gal/hr (30 l/hr)	5.16 gal/hr (19.5 l/hr)	3.59 gal/hr (13.6 l/hr)	
	15.2 gal/hr (57.8 l/hr)	6.7 gal/hr (25.5 l/hr)	4.38 gal/hr (16.6 l/hr)	3.0 gal/hr (11.5 l/hr)	
	13 gal/hr (49.1 l/hr)	5.7 gal/hr (21.7 l/hr)	3.72 gal/hr (14.1 l/hr)	2.6 gal/hr (9.8 l/hr)	