

HYDRO FROST SOLUTION CHILLER



Engineered for hydroponic cultivation, Hydro Frost Solution Chillers provide precise temperature control for irrigation reservoirs and hydroponic systems. Utilizing commercial-grade components and solid-state electronics, Hydro Frost Solution Chillers offer performance and are built to last for years.

Hydro Frost Solution Chillers integrate seamlessly into a wide range of irrigation applications. These durable units provide a reliable solution for controlling nutrient solution temperatures, ensuring optimal crop performance.



Commercial Rated

Available in 2-5hp for
400-1000 gallons



Titanium Heat Exchanger

Anti-corrosive for saltwater
and freshwater



Digital Controls

Microcomputer control
system and LCD display



Environmentally Friendly

No Freon, all units use
R410a refrigerant

Maintain Hydroponic Reservoirs At The Perfect Temperature

High Efficiency

Designed to achieve the highest coefficient of performance (COP), contributing to significant energy savings.

Premium Construction

Galvanized steel housing with a durable powder coated finish. Industry leading components.

High-Performance Rotary Compressor

Extremely efficient and reliable. Internationally recognized and exclusively used in all units.

Titanium Coaxial Heat Exchanger

Ensures high performance with low energy consumption. Anti-corrosive for saltwater and freshwater applications.

Computer Intelligent

Microcomputer control system and LCD display. Auto restart and temperature memory in the event of a power failure.

Intuitive and Accurate Settings

Easy to operate, with real-time water temperature control and accurate temperature readings. Over current and overheat auto-protection system.

Decreased Noise Levels

High air volume and low noise design allow for quiet operation.

Minimal Maintenance

Designed for years of reliable use, serviceable with replacement components. 1-year warranty.



2 HP

300-400 Gallon.



3 HP

500-600 Gallon



5 HP

900-1000 Gallon

Hydro Frost Chiller Specifications

Model No.	HF-2 HP	HF-3 HP	HF-5 HP
Unit Dimensions	31 x 16 x 23 in.	31 x 16 x 27 in.	36 x 20 x 41 in.
Maximum Tank Size	400 gal. / 1514 Lt.	600 gal. / 2271 Lt.	1000 gal. / 3785 Lt.
Cooling Capacity	5,200W	7,200W	17,400W
Rated Voltage	208-230v /60HZ	208-230v /60HZ	208-230v/60HZ/3-Phase
Rated Power	2 HP (1550w)	3 HP (2400w)	5 HP(3700w)
Current	7.5A - 8.2A	11.2A - 12.5A	17.5A - 18.3A/Ph
Refrigerant	R410A	R410A	R410A
Recommended Flow Rate	>1189 Gal./H / 4,500 Lt.	>1320 Gal./H / 5,500 Lt.	>1717 Gal./H / 6,500 Lt.
Outlet / Inlet Size	1" in. (25.4 mm)	1.5" in. (38.1 mm)	2" in. (50 mm)
Weight	121 lbs. (55kg)	132 lbs. (60kg)	275 lbs. (125kg)
Maximum Operating Pressure	25 psi	25 psi	25 psi