Injection System
HW300

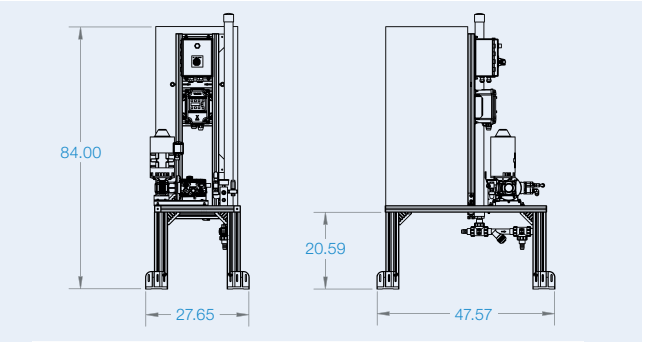


The HW300 Snomax® Injection System is great for small scale snowmaking operations. Fitted with a P200 injection pump and a submersible mixing pump, the HW300 injection system will provide a constant and reliable flow of Snomax® solution into your snowmaking water.

Approx. Weight	300 lbs
Tank Dimensions (Cylindrical)	64" H x 22" Dia.
Overall Dimensions	84" H x 48" L x 28" W
Metering Pump	Hydracell P200
Capacity	*see attached table*
Max Pressure	1000 psi
Motor	1 HP
Electrical Specs	60 Hz, 15 Amp
Mix Pump	Little Giant Submersible Pump
Capacity	27 GPM @ 10' H
Motor	1/4 HP
Electrical Specs	60 Hz, 8.5 Amp

Injection system needs a 15 amp dedicated circuit with a standard 110 volt 2 gang outlet.

…all Snomax®-Systems can be made with **220V** upon request!



MAXIMUM FLOW (mL/min) AT DESIGNATED PRESSURES

	Drive Freq. (Hz)	100 psi	250 psi	500 psi	1000 psi	Pump RPM	Motor RPM
P200	60	2536	2519	2477	2350	360	1800
	120	5093	5063	4991	4764	720	3600
P400	60	7647	7628	7596	7476	360	1800
	120	15331	15299	15230	14997	720	3600

Snomax®
INTERNATIONAL

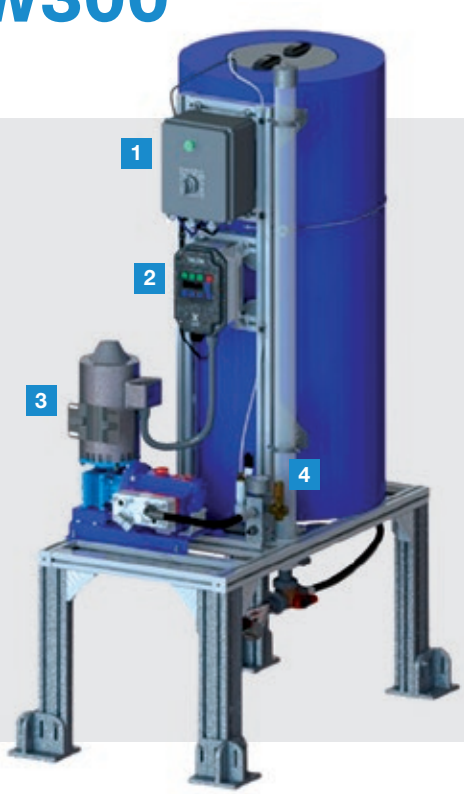
PRODUCT **INJECTION SYSTEM HW300**

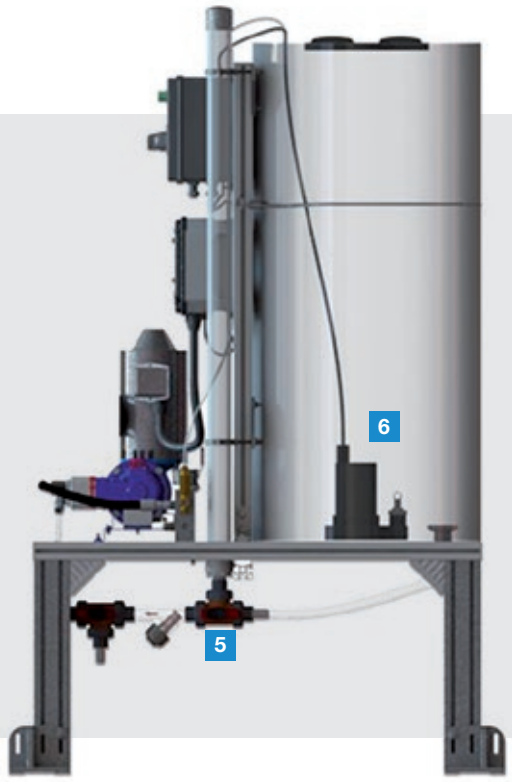


600 000 003	INJECTION SYSTEM HW300 W/P200

Snomax®
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Injection System
HW300







1 Mix Pump Timer Panel
- Automatically initiates mix pump
- Remotely run mix pump via 4-20 mA signal



2 Vacon Variable Frequency Drive
- Vary injection rate with easy-to-use controls
- Control injection rate remotely via 4-20 mA signal



3 Motor and P200 Injection Pump
- 1 HP, 3 Phase, 1750 RPM inverted duty motor
- 3-piston diaphragm pump to deliver uniform flow at a range of operating pressures
- Suitable for wet or humid locations



4 Injection Pump Manifold
- Regulates pressure on pump discharge
- Contains pressure relief valves and a pressure gauge



5 Low Pressure Plumbing
3-way ball valves to properly configure system for operation or maintenance



6 Submersible Mixing Pump
- Circulates solution in tank to ensure Snomax® is well mixed
- Initiated automatically by timer panel 4-20 mA signal



7 Basket Strainer (Optional)
Before the Snomax® solution enters the injection pump, the fluid is passed through a basket strainer to remove particulates that may clog the injection pump check valves.

MAJOR COMPONENTS OF **INJECTION SYSTEM HW300**

	**600 200 010**	MIX PUMP TIMER PANEL ISOLATED
	**600 200 005**	VACON X SERIES VFD-1HP 110V INPUT
	**600 800 042**	HYDRA-CELL METERING PUMP P200 COMPLETE
	**600 700 025**	AL MANIFOLD BLOCK- SYSTEMS
	**600 500 007**	3 WAY BALL VLV 1" HORZ SOCKET
	**600 500 010**	GF Y-STRAINER 1" SOCKET (old system type)
	**600 800 040**	1/6HP 115V SUB MIXING PUMP
	**600 500 032**	PVC BASKET STRAINER 1" SXT

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