

# Injection System HW300

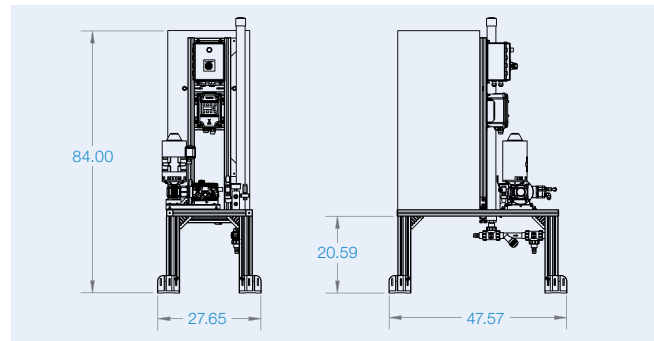


The HW300 Snomax® Injection System is great for small scale snowmaking operations. Fitted with a P200 injection pump and a submersible mixing pump, the HW300 injection system will provide a constant and reliable flow of Snomax® solution into your snowmaking water.

<b>Approx. Weight</b>	300 lbs
<b>Tank Dimensions (Cylindrical)</b>	64" H x 22" Dia.
<b>Overall Dimensions</b>	84" H x 48" L x 28" W
<b>Metering Pump</b>	Hydracell P200
<b>Capacity</b>	see attached table
<b>Max Pressure</b>	1000 psi
<b>Motor</b>	1 HP
<b>Electrical Specs</b>	60 Hz, 15 Amp
<b>Mix Pump</b>	Little Giant Submersible Pump
<b>Capacity</b>	27 GPM @ 10' H
<b>Motor</b>	1/4 HP
<b>Electrical Specs</b>	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
<b>P200</b>	60	2536	2519	2477	2350	360	1800
	120	5093	5063	4991	4764	720	3600
<b>P400</b>	60	7647	7628	7596	7476	360	1800
	120	15331	15299	15230	14997	720	3600



## PRODUCT INJECTION SYSTEM HW300



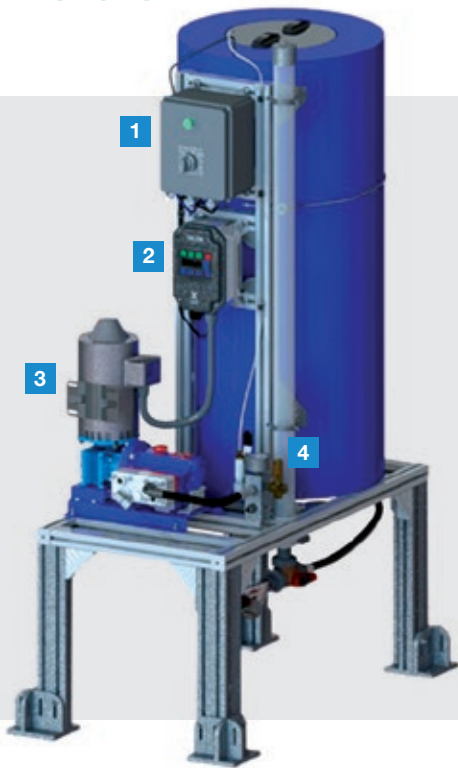
**600 000 003**

INJECTION SYSTEM HW300 W/P200



# Injection System HW300

**Snomax®**  
INTERNATIONAL



### 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

### 5 Low Pressure Plumbing

- 3-way ball valves to properly configure system for operation or maintenance



6

### 6 Submersible Mixing Pump

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



7

### 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

