

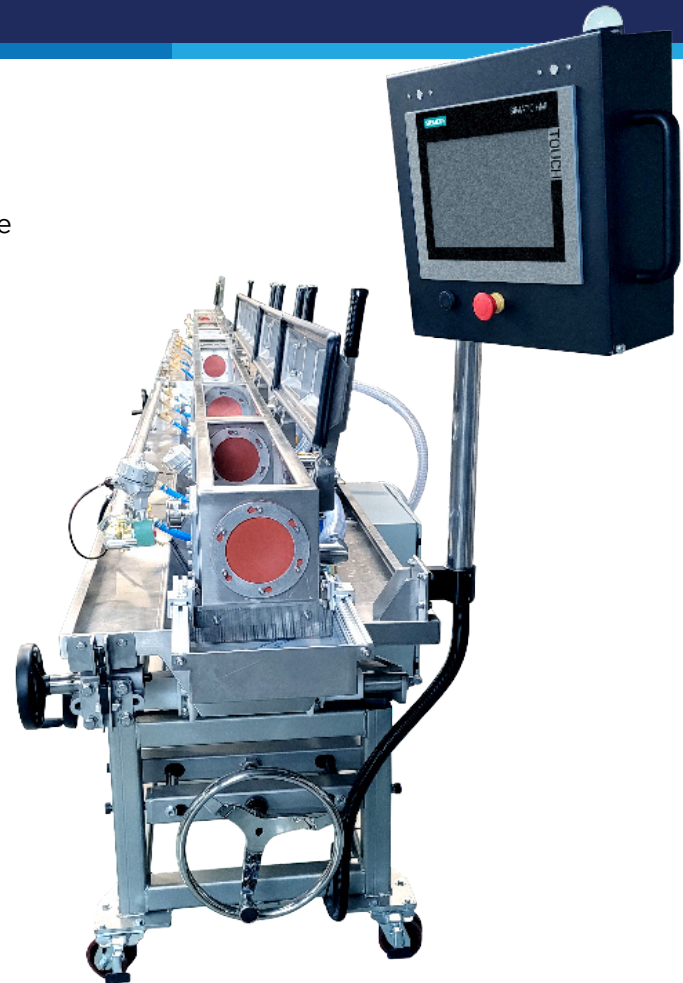
# NVT SERIES VACUUM TANKS



NVT Series Vacuum Tanks are designed to focus on the exacting processes required by today's extrusion processors that require precise vacuum control with little variability. We achieve this with an HMI controlled variable vacuum. We utilize a programmable vacuum vent for extreme position control.

## Key Features:

- 11 Ga. 304 S/S Vacuum Tank
- 14" air wipe section.
- Tank is flood cooling only
- Quick change Tool/Seal interface: (see chart)
- 304 S/S Integral Water Sump and Tray provide functional capacity (no makeup water required at startup)
- 11 Ga 304 S/S lids with integral vacuum
- Stiffeners on all tank sections including water seal and air wipe.
- 1/2" Thick 3.38" x 7.75" Polycarb Sight Glass (one per vac section and sump tank).
- Telescoping end trays with integral water strainer
- Rotary water level control on each vacuum section
- Water ring inside front of tank for cooling tooling with 3/4" valve
- 3 " Quick connecting cam hose fittings and caps selectively and sequentially apply vacuum to 1,2, or 3 sealed tank sections
- Tool free access to vacuum sump and float valves
- 4 " float valves to regulate water level in vacuum sump
- 1" check valve overflow to customer drain.
- 304 S/S water supply manifold with 3/4" supply valves



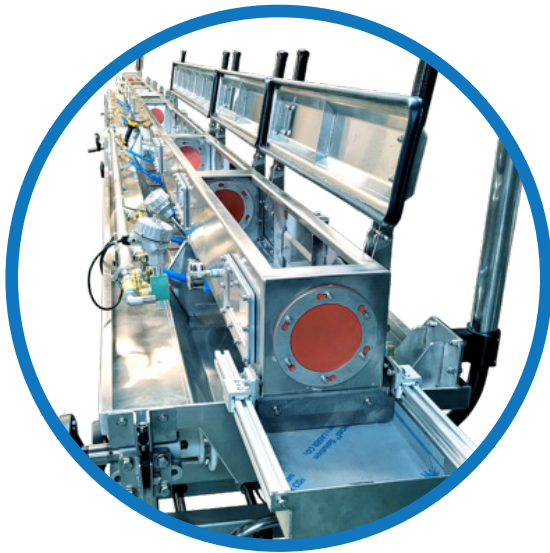
**INCLUDED TOUCHSCREEN HMI  
WITH VACUUM CONTROL BUILT IN**

## **Plus:**

Unique water circulation system enhances water flow throughout the tank minimizing pump cavitation and thus micro-water bubbles, which can cause tubing surface imperfections and ultra-sonic gauging issues leading to poor process control. Quick total system flushing/draining to pump the entire system dry is accomplished with the use of a three-way water valve. A low-level water switch is also included to prevent water pump damage during flushing.

A 7-inch operator touch screen with closed-loop vacuum control is also standard with control and displays to 0.01-inch water resolution. A programmable position vent valve can be adjusted through a drop-down menu to provide optimal CFM operation of the vacuum pump to extreme precision. A water temperature readout is also standard with the potential to add water temperature control as a recommended option.

# NVT SERIES VACUUM TANKS



**14FT X 14FT X 20FT  
VACUUM TANK**



**VARIABLE TANK VACUUM  
CONTROLS FOR EACH SECTION**

Models	NVT080814	NVT080820	NVT141414	NVT141420
Cross-Section	8"x8"x14ft	8"x8"x20ft	14"x14x 14ft	14"x14x 20ft
Product Capacity	3" OD	3" OD	6" OD	6" OD
Water Pump Qty/Size	2HP	2HP	2HP	2HP
Vacuum Pump Qty/Size	2HP 135" Blower	2HP 135" Blower style	5.4HP 200" Blower setup	5.4HP 200" Blower setup
Compartment Size/Qty	3'/3'/6'	3'/3'/6'/6'	3'/3'/6'	3'/3'/6'/6'
Nozzle Configuration	TBD	TBD	TBD	TBD
Gal	90	123	157	157
Bolt/thread circle	6x 1/2-20 - 5.5" bolt circle	6x 1/2-20 - 5.5" bolt circle	8x 1/2-20 - 9" bolt circle	8x 1/2-20 - 9" bolt circle
LxDxH	183x44x70	255x44x70	183x44x70	255x44x70