

# Closed Loop Evaporative Cooling Systems for Vacuum Furnaces

## Aqua-Vent<sup>®</sup>

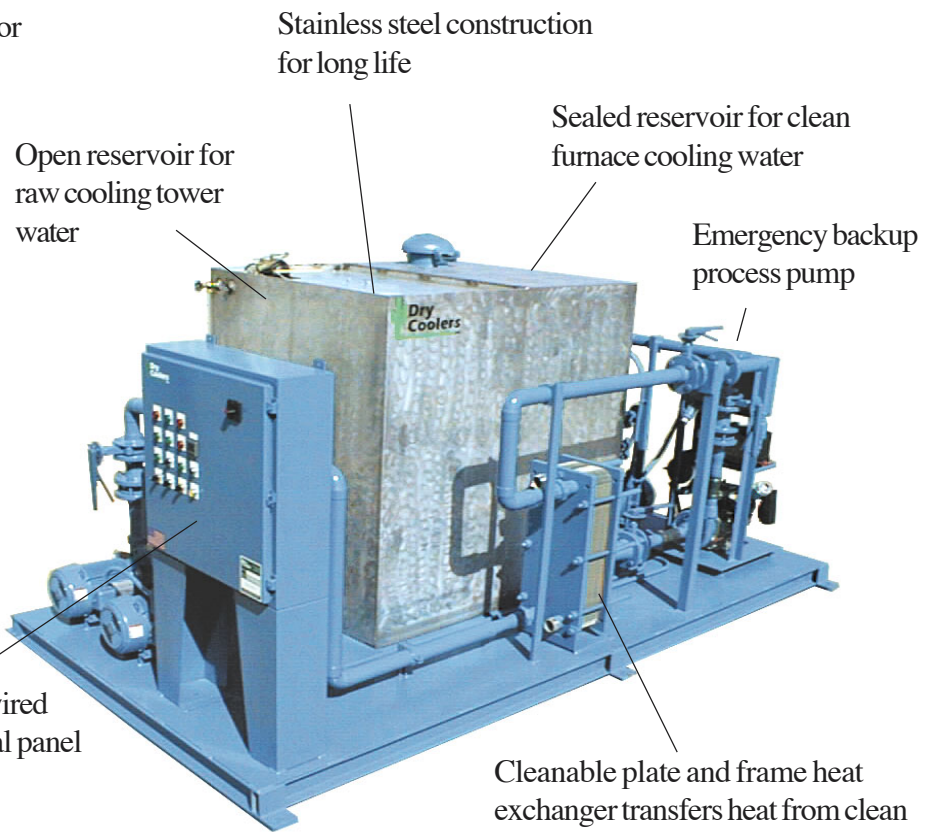
### VXO Series

- Protects furnaces from scaling and corrosion
- Skid Mounted for Easy Installation
- Standard Packages from 50 to 700 GPM



Cooling fan with belt drive motor

Evaporative cooling tower rejects heat to the atmosphere, gravity drains to indoor sump for freeze protection



Stainless steel construction for long life

Open reservoir for raw cooling tower water

Sealed reservoir for clean furnace cooling water

Emergency backup process pump

All controls pre-wired to central electrical panel

Cleanable plate and frame heat exchanger transfers heat from clean furnace loop to raw open tower water.

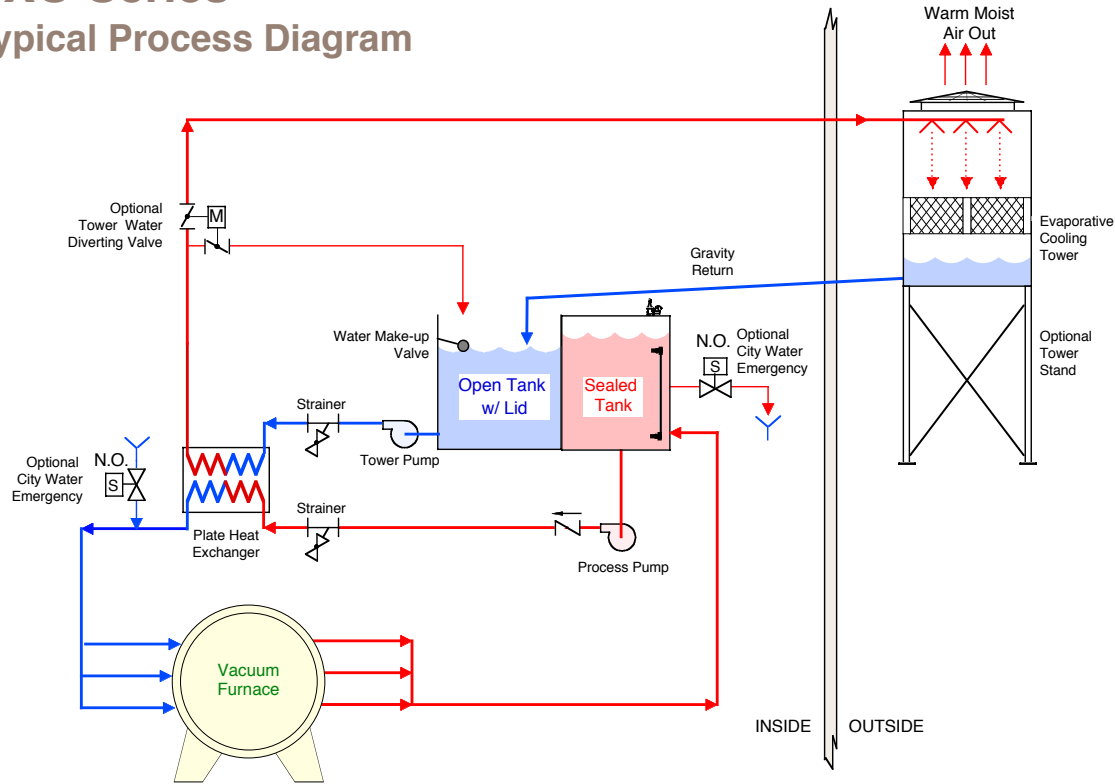
**Integrated tower sump and process tank**  
**Large reservoir for rapid quenches**  
**Emergency backup cooling**

#### More Quality Features:

- Digital indicating temperature controller
- Liquid level sight glass
- Low water level cutout switch with alarm
- Fused disconnect
- Pilot lights for pumps and fans
- Selector switches for manual or automatic operation

# Closed Loop Systems Protect Furnaces

## VXO Series Typical Process Diagram



## CAPACITIES and DIMENSIONS

Note: Btu/hr = MBH x 1000. Based on 78°F wet bulb ambient air. Dimensions are subject to change. Consult factory for certified drawings. Consult factory for larger systems which are available upon request.

Model No.	Capacity		Evaporative Tower		Tower Pump HP	Process Pump HP	Tank Gal	Piping Size	Skid Dimensions LxWxH (ft)
	GPM	MBH	Fan HP	Size (WxLxH)					
VXO-50	50	300	1	3'x3'x7'	3	5	350	2"	5'x5'x5'
VXO-100	100	600	2	4'x4'x9'	3	7.5	750	2-1/2"	5'x8'x6'
VXO-150	150	900	3	4'x4'x9'	5	10	900	3"	6'x8'x6'
VXO-200	200	1,125	5	4'x4'x10'	5	15	1,500	4"	8'x8'x7'
VXO-300	300	1,650	5	8'x6'x11'	7.5	15	1,900	4"	8'x8'x8'
VXO-400	400	2,175	7.5	8'x9'x12'	10	20	2,400	6"	8'x8'x8'
VXO-500	500	2,850	10	8'x9'x11'	15	25	2,400	6"	10' x 8' x 8'
VXO-600	600	3,225	15	8'x12'x11'	15	30	3,000	6"	10' x 8' x 8'
VXO-700	700	3,900	20	8'x12'x11'	20	30	3,600	6"	12' x 8' x 8'



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