



VPH-10000-1 & VPH-10000-2 Vaporizers

Vaporizer Competitive Comparisons:

See why Hydro Instruments sets the new industry standard for chlorine, sulfur dioxide and ammonia vaporizers.

Feature	Hydro Instruments VPH-10000-1	Hydro Instruments VPH-10000-2	Wallace & Tiernan 50-200	Capital Controls 71V3000
Superheat Monitoring	Display and Output	Display and Output	None	None
Low Superheat Alarm	Yes	Yes	None	None
Chlorine Temperature Monitoring	Thermocouple	Thermocouple	Temperature Gauge	Temperature Gauge
Chlorine Pressure Monitoring	Pressure Transmitter (0-300 Psig)	Pressure Transmitter (0-300 Psig)	Pressure Gauge (0-300 Psig)	Pressure Gauge (0-300 Psig)
Water Temperature	Thermocouple	Thermocouple	Temperature Switches and Gauge	Temperature Switches and Gauge
Heater/Water Temperature Control	SCR using Set Point Control with Thermocouple	SCR using Set Point Control with Thermocouple	Thermostatic based on Temperature Switches	Thermostatic based on Temperature Switches
Heater Power	18 kW (Due to Enhanced Process Control)	18 kW (Due to Enhanced Process Control)	12, 15, or 18 kW	12, 15, or 18 kW
Modbus Communication	Yes	Yes	No	No
4-20 Outputs	6	6	0	0
Alarm Relays	5	5	3	3
Pressure Reducing Valve Relays	2 available as duty/standby	2 available as duty/standby	1	1
Water Tank	Stainless Steel	Stainless Steel	Galvanized Steel	Stainless Steel
Superheat Baffles	Yes	Yes	No	Yes
Water Circulation	Yes	No	Yes	No
Drain Valve	1-1/2"	1-1/2"	3/4"	1"
Automatic Water Level Control	Yes	Yes	Yes	Yes
Cathodic Protection	Yes	Yes	Yes	Yes
Maximum Capacity	10,000 PPD (200 kg/hr.) Cl ₂	10,000 PPD (200 kg/hr.) Cl ₂	10,000 PPD (200 kg/hr.) Cl ₂	10,000 PPD (200 kg/hr.) Cl ₂
ASME Sect. VIII Div. 1 Certification	Yes	Yes	Yes	Yes
Chlorine Institute Conformance	Yes	Yes	Yes	Yes
Factory Assembled	Yes	Yes	Yes	Yes