

Ammonia Vaporizer

FEATURES

1. Ammonia Gas Compatible Model with Japanese Technology

Ammonia vaporizer EVA-AX5 has the corrosion-resistant structure consisted of stainless steel, rubber and valves including safety relief valve for regular material component in order to deal with the corrosive nature of Ammonia Gas

2. Advanced Safety Mechanism

- Float valve with built-in magnet (KAGLA's Patented Technology) prevents LPG liquid carryover.
- WATER LEVEL SWITCH and SAFETY THERMOSTAT prevents over-heating of water bath



3. User Friendly Interface

Multi-function electric control panel with digital indicator quipped

4. Space Saving Compact Body

AX5 realized the minimum body size backed by long term experience of KAGLA

5. Easy Maintenance Structure

Top cover of AX5 is removable from its body for easy maintenance and overhaul

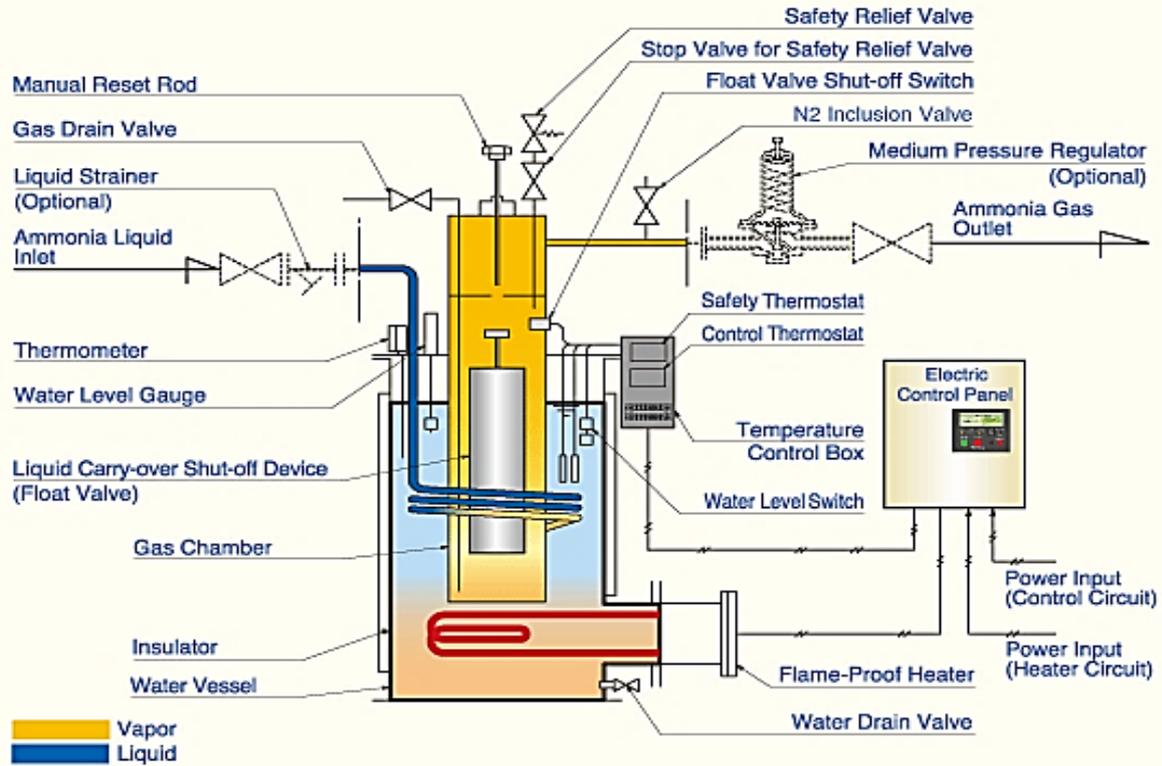
6. Varieties of Line-ups

6 different vaporization capacity models from 50kg/hr to 500kg/hr

7. Drainage Measure

Structure designed to minimize drainage to remain

STRUCTURE AND FLOW SHEET



SPECIFICATION

MODEL		EVA-20AX5	EVA-35AX5	EVA-50AX5	EVA-70AX5	EVA-100AX5	EVA-170AX5
Vaporization Capacity	kg/hr	20	35	50	70	100	170
	U.S Gal/hr**	8.8	15.4	22	30.8	44	74.8
	lb/hr	44	77	110	154	220	374
Water Bath Capacity		50	50	95	120	130	275
Heat Exchanger	kg/cm ²	24.6					
Design Pressure	psig	350					
	MPa	2.42					
Liquid inlet bore		Rc3/4					Rc1
Gas outlet bore		Rc1					Rc1 · 1/4
Hydrostatic Test Pressure	kg/cm ²	36.9					
	psig	525					
	MPa	3.63					
Relief Valve Setting Pressure	kg/cm ²	24.6					
	psig	350					
	MPa	2.42					
Flame-Proof Electric Heater	kW	8	14	21	28 (14kW × 2)	42 (21kW × 2)	63 (21kW × 3)
Electric Requirement	Heater Control Circuit	200/220/380/400/415/440/460V,3-Phase					
		220V,1-Phase					
Dimension (mm)	Width	420	420	480	520	520	670
	Depth	691	649	689	739	739	854
	Height	857	857	1058	1098	1158	1357
Vaporizer Control Panel Dimensions (mm)	Width	300					
	Depth	150					
	Height	400					
Weight	kg	160	160	235	290	320	665
	lb	350	350	510	630	700	1460
Design Standard		Pressure Vessel/JIS B-8265					
Approval		Explosion-Proof Construction/NEPSI (National Supervision and Inspection Center for Explosion Protection and Safety Instrumentation)					

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