

Gaumer Ammonia Vaporizer Type GVAH

APPLICATIONS

For changing state of Ammonia from liquid to gas and for maintaining desired pressure conditions of the gas vapors.

STANDARD FEATURES

- Pre-engineered and proven design package that has been field tested under rugged conditions.
- Low Watt-density Incoloy 800 sheath heating elements arranged to provide "Even Heat" inside tube bundle.
- 300 Lb. Carbon Steel Tank Construction
- ASME Certified to 150psig @ 750° F.
- Industrial quality pressure gauges.
- Gate valves (inlet and outlet) provide system isolation from process when required.
- Flanged inlet and outlet.
- All welded construction.
- Complies with ANSI K61.1
- Fully gasketed electrical control enclosure with door mounted disconnect handle, temperature indicator, pilot lights, and switches.
- Heating element sheath sensing thermocouple for quickest response to overheat conditions.
- SCR Thyristor Power Control - assures more accurate temperature control than conventional systems and effectively reduces watt-density during normal operations.
- Electronic over-temperature control with separate safety contactor and illuminated reset button.
- Electronic PID Type indicating temperature control.
- Installation, Operation, Parts List Manuals.



CONSTRUCTION

- Weatherproof Construction (NEMA IV)
- Explosion Resistant Construction (NEMA VII)
- Separate control package for remote mounting.
- Multiple systems on one skid.

CONTROL OPTIONS

- Level Sensors
- Pressure Sensors

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Watt Density 23

Gaumer Model Number	KW Output	Volts	MBH/HR Output	Flanged Heater Catalog No.	Quantity Elements	Quantity Circuits	Chamber Diam.	Length (Inches)	Width (Inches)	Height (Inches)	Volume (gal.)*	Net Weight
GVAH2-15	15	240	51.180	4F6N40M2	6	2	16	40	30	40		720
GVAH4-15	15	480	51.180	4F6N40M4	6	2	16	40	30	40		720
GVAH2-20	20	240	68.240	4F6N52M2	6	2	16	52	30	40		770
GVAH4-20	20	480	68.240	4F6N52M4	6	2	16	52	30	40		770
GVAH2-25	25	240	85.300	4F6N64M2	6	2	16	64	30	40		820
GVAH4-25	25	480	85.300	4F6N64M4	6	2	16	64	30	40		820
GVAH2-30	30	240	102.360	4F6N77M2	6	2	16	77	30	40		900
GVAH4-30	30	480	102.360	4F6N77M4	6	2	16	77	30	40		900
GVAH4-34	34	480	116.008	4F6N88M4	6	2	16	88	30	40		1000
GVAH4-38	38	480	129.656	4F6N106M4	6	2	16	106	30	40		1100
GVAH2-40	40	240	136.480	6F12N52M2	12	4	20	52	36	44		810
GVAH4-40	40	480	136.480	6F12N52M4	12	4	20	52	36	44		810
GVAH4-47	47	480	160.364	4F6N120M4	6	2	16	120	30	40		1200
GVAH2-50	50	240	170.600	6F12N64M2	12	4	20	64	36	44		920
GVAH4-50	50	480	170.600	6F12N64M4	12	4	20	64	36	44		920
GVAH4-53	53	480	180.836	4F6N140M4	6	2	16	140	30	40		1350
GVAH2-60	60	240	204.720	8F18N52M2	18	6	24	52	40	54		1100
GVAH4-60	60	480	204.720	8F18N52M4	18	6	24	52	40	54		1100
GVAH4-61	61	480	208.132	4F6N160M4	6	2	16	160	30	40		1500
GVAH2-63	63	240	214.956	6F15N64M2	15	5	20	64	36	44		929
GVAH4-63	63	480	214.956	6F15N64M4	15	5	20	64	36	44		920
GVAH4-67	67	480	228.604	6F12N88M4	12	4	20	88	36	44		1100
GVAH2-72	72	240	245.664	8F24N48M2	24	8	24	48	40	54		1000
GVAH4-72	72	480	245.664	8F24N48M4	24	8	24	48	40	54		1000
GVAH2-75	75	240	255.900	6F15N77M2	15	5	20	77	36	44		1020
GVAH4-75	75	480	255.900	6F15N77M4	15	5	20	77	36	44		1020
GVAH4-76	76	480	259.312	6F12N106M4	12	4	20	106	36	44		1280
GVAH2-80	80	240	272.960	8F24N52M2	24	8	24	52	40	54		1100
GVAH4-80	80	480	272.960	8F24N52M4	24	8	24	52	40	54		1100
GVAH4-84	84	480	286.608	6F15N88M4	15	5	20	88	36	44		1100
GVAH4-90	90	480	307.080	10F36N40M4	36	12	30	40	48	66		1000
GVAH4-94	94	480	320.728	6F12N120M4	12	4	20	120	36	44		1400
GVAH4-95	95	480	324.140	6F15N106M4	15	5	20	106	36	44		1280
GVAH4-101	101	480	344.612	8F18N88M4	18	6	24	88	40	54		1400
GVAH2-102	102	240	348.024	8F24N64M2	24	8	24	64	40	54		1200
GVAH4-102	102	480	348.024	8F24N64M4	24	8	24	64	40	54		1200
GVAH4-105	105	480	358.260	6F12N140M4	12	4	20	140	36	44		1650
GVAH4-108	108	480	368.496	10F36N48M4	36	12	30	48	48	66		1200
GVAH4-113	113	480	385.556	8F18N106M4	18	6	24	106	40	54		1600
GVAH4-115	115	480	392.380	10F27N64M4	27	9	30	64	48	66		1500
GVAH4-117	117	480	399.204	6F15N120M4	15	5	20	120	36	44		1600
GVAH2-120	120	240	409.440	8F24N77M2	24	8	24	77	40	54		1300
GVAH4-120	120	480	409.440	8F24N77M4	24	8	24	77	40	54		1300
GVAH4-121	121	480	412.852	6F12N160M4	12	4	20	160	36	44		1850
GVAH4-131	131	480	446.972	6F15N140M4	15	5	20	140	36	44		1650
GVAH4-134	134	480	457.208	8F24N88M4	24	8	24	88	40	54		1400
GVAH4-135	135	480	460.620	10F27N77M4	27	9	30	77	48	66		1650
GVAH4-140	140	480	477.680	8F18N120M4	18	6	24	120	40	54		1850
GVAH4-144	144	480	491.328	12F48N48M4	48	16	30	48	48	66		1200

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GVAH4-151	151	480	515.212	6F15N160M4	15	5	20	160	36	44		1850
GVAH4-153	153	480	522.036	10F36N64M4	36	12	30	64	48	66		1500
GVAH4-157	157	480	535.684	8F18N140M4	18	6	24	140	40	54		2150
GVAH4-160	160	480	545.920	12F48N52M4	48	16	30	52	48	66		1300
GVAH4-170	170	480	580.040	10F27N106M4	27	9	30	106	48	66		2100
GVAH4-180	180	480	614.160	14F54N52M4	54	18	36	52	54	80		1500
GVAH4-187	187	480	638.044	8F24N120M4	24	8	24	120	40	54		1850
GVAH4-200	200	480	682.400	14F60N52M4	60	20	36	52	54	80		1500
GVAH4-202	202	480	689.224	10F36N88M4	36	12	30	88	48	66		1800
GVAH4-204	204	480	696.048	12F48N64M4	48	16	30	64	48	66		1500
GVAH4-210	210	480	716.520	8F24N140M4	24	8	24	140	40	54		2150
GVAH4-211	211	480	719.932	10F27N120M4	27	9	30	120	48	66		2400
GVAH4-227	227	480	774.524	10F36N106M4	36	12	30	106	48	66		2100
GVAH4-230	230	480	784.760	14F54N64M4	54	18	36	64	54	80		1700
GVAH4-240	240	480	818.880	12F48N77M4	48	16	30	77	48	66		1650
GVAH4-242	242	480	825.704	8F24N160M4	24	8	24	160	40	54		2500
GVAH4-255	255	480	870.060	14F60N64M4	60	20	36	64	54	80		1700
GVAH4-268	268	480	914.416	12F48N88M4	48	16	30	88	48	66		1800
GVAH4-270	270	480	921.240	14F54N77M4	54	18	36	77	54	80		1950
GVAH4-302	302	480	1030.424	12F48N106M4	48	16	30	106	48	66		2100
GVAH4-306	306	480	1044.072	14F72N64M4	72	24	36	64	54	80		1700
GVAH4-315	315	480	1074.780	10F36N140M4	36	12	30	140	48	66		2700
GVAH4-336	336	480	1146.432	14F60N88M4	60	20	36	88	54	80		2100
GVAH4-340	340	480	1160.080	14F54N106M4	54	18	36	106	54	80		2400
GVAH4-360	360	480	1228.320	14F72N77M4	72	24	36	77	54	80		1950
GVAH4-362	362	480	1235.144	10F36N160M4	36	12	30	160	48	66		3100
GVAH4-374	374	480	1276.088	12F48N120M4	48	16	30	120	48	66		2400
GVAH4-403	403	480	1375.036	14F72N88M4	72	24	36	88	54	80		2100
GVAH4-414	414	480	1412.568	12F48N140M4	48	16	30	140	48	66		2700
GVAH4-421	421	480	1436.452	14F54N120M4	54	18	36	120	54	80		2700
GVAH4-454	454	480	1549.048	14F72N106M4	72	24	36	106	54	80		2400
GVAH4-476	476	480	1624.112	12F48N160M4	48	16	30	160	48	66		3100
GVAH4-525	525	480	1791.300	14F60N140M4	60	20	36	140	54	80		3200
GVAH4-543	543	480	1852.716	14F54N160M4	54	18	36	160	54	80		4700
GVAH4-562	562	480	1917.544	14F72N120M4	72	24	36	120	54	80		2700
GVAH4-630	630	480	2149.560	14F72N140M4	72	24	36	140	54	80		3800
GVAH4-724	724	480	2470.288	14F72N160M4	72	24	36	160	54	80		4700