

# GAUMER PROCESS

HEATERS  
SYSTEMS  
CONTROLS

## Gaumer Heat Transfer Fluid Vaporizer Type GVOH

### APPLICATIONS

Designed for use in process industries such as chemical, petrochemical, textile, and others requiring large amounts of accurately controlled heat at high temperatures with low operating pressures. Recirculating fluids such as Dowtherm A, Dowtherm J, and Therminol VP-1 can be maintained at temperatures as high as 750° F. Utilizing the vapor phase of these heat-transfer fluids promotes high heat transfer rates and also close temperature control.

### STANDARD FEATURES

- Pre-engineered and proven design package that has been field tested under many kinds of conditions.
- Low Watt-density Heavy Wall (.035 in.thick) Incoloy 800 sheathed heating elements arranged to provide "Even Heat" inside tube bundle.
- All Welded 300 lb. Carbon Steel Tank Construction includes Hartford Loop Circuit if desired.
- Vessel and Relief Valve 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.
- Process Controlling Digital Pressure Switch with 4-20ma output to SCR Thyristor System.
- Over-pressure Cutout Switch
- Liquid Level Control with Low Level Lockout
- Fully gasketed electrical control enclosure with door mounted disconnect handle, temperature indicator, pilot lights, and switches.



### MORE STANDARD FEATURES

- Heating element sheath sensing thermocouple for quickest response to overheat conditions.
- SCR Thyristor Power Control - assures more accurate pressure/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.

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# Gaumer Heat Transfer Fluid Vaporizer

## Type GVOH

### CONSTRUCTION

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

### OPTIONS

- Condensate Return Pump
- Condensate Return System
- Condensate Return System mounted on skid with integrally mounted controls.
- Chart recorder or data logger.
- Clock timer - 7 day with skip-a-day feature.

### Type: GVOH

### Watt Density 12

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
GVOH2-12	12	240	40.944	6F12N33H2S	12	2	20	51	36	44		800
GVOH4-12	12	480	40.944	6F12N33H4S	12	2	20	51	36	44		800
GVOH2-15	15	240	51.180	6F12N40H2S	12	2	20	58	36	44		870
GVOH4-15	15	480	51.180	6F12N40H4S	12	2	20	58	36	44		870
GVOH2-18	18	240	61.416	6F12N48H2S	12	2	20	66	36	44		940
GVOH4-18	18	480	61.416	6F12N48H4S	12	2	20	66	36	44		940
GVOH2-25	25	240	85.300	6F12N61H2S	12	2	20	79	36	44		1040
GVOH4-25	25	480	85.300	6F12N61H4S	12	2	20	79	36	44		1040
GVOH2-33	33	240	112.596	6F12N78H2S	12	2	20	96	36	44		1180
GVOH4-33	33	480	112.596	6F12N78H4S	12	2	20	96	36	44		1180
GVOH2-38	38	240	129.656	6F12N95H4D	12	2	20	106	36	44		1280
GVOH4-38	38	480	129.656	6F12N95H4S	12	2	20	106	36	44		1280
GVOH2-42	42	240	143.304	6F12N106H4D	12	2	20	124	36	44		1470
GVOH4-42	42	480	143.304	6F12N106H4S	12	2	20	124	36	44		1470
GVOH2-45	45	240	153.540	6F12N120H4D	12	2	20	138	36	44		1600
GVOH4-45	45	480	153.540	6F12N120H4S	12	2	20	138	36	44		1600
GVOH2-53	53	240	180.836	6F12N140H4D	12	2	20	158	36	44		1800
GVOH4-53	53	480	180.836	6F12N140H4S	12	2	20	158	36	44		1800
GVOH2-60	60	240	204.720	6F12N160H4D	12	2	20	178	36	44		2000
GVOH4-60	60	480	204.720	6F12N160H4S	12	2	20	178	36	44		2000
GVOH2-75	75	240	255.900	8F24N95H4D	24	4	24	112	40	54		1700
GVOH4-75	75	480	255.900	8F24N95H4S	24	4	24	112	40	54		1700
GVOH2-84	84	240	286.608	8F24N106H4D	24	4	24	130	40	54		2000
GVOH4-84	84	480	286.608	8F24N106H4S	24	4	24	130	40	54		2000
GVOH2-90	90	240	307.080	8F24N120H4D	24	4	24	144	40	54		2200
GVOH4-90	90	480	307.080	8F24N120H4S	24	4	24	144	40	54		2200
GVOH2-105	105	240	358.260	8F24N140H4D	24	4	24	164	40	54		2600
GVOH4-105	105	480	358.260	8F24N140H4S	24	4	24	164	40	54		2600
GVOH2-121	121	240	412.852	8F24N160H4D	24	4	24	184	40	54		2900
GVOH4-121	121	480	412.852	8F24N160H4S	24	4	24	184	40	54		2900
GVOH4-150	150	480	511.800	12F48N95H4S	48	8	30	124	48	66		2500
GVOH4-167	167	480	569.804	12F48N106H4S	48	8	30	142	48	66		2800
GVOH4-180	180	480	614.160	12F48N120H4S	48	8	30	156	48	66		3000
GVOH4-210	210	480	716.520	12F48N140H4S	48	8	30	176	48	66		3300

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GVOH4-225	225	480	767.700	14F72N95H4S	72	12	36	130	54	80		2900
GVOH4-241	241	480	1.000	12F48N160H4S	48	8	30	196	48	66		3600
GVOH4-250	250	480	3.000	14F72N106H4S	72	12	36	148	54	80		4100
GVOH4-270	270	480	2.000	14F72N120H4S	72	12	36	162	54	80		4800
GVOH4-315	315	480	4.000	14F72N140H4S	72	12	36	182	54	80		5200
GVOH4-361	361	480	26.000	14F72N160H4S	72	12	36	202	54	80		5600
GVOH4-405	405	480	27.000	14F72N180H4S	72	12	36	222	54	80		5900