

Clean Steam

Clean Dry Quick Recovery
High Pressure Steam

GAS FIRED

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OIL FIRED

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GAS/OIL FIRED

Four-Pass Vertical Tubeless

High Performance Multi Featured Boiler

More Steam Storage:

Capacity to Handle Swing and Spike Loads- Quick Recovery - Quick Response

Larger Steam-Release Surface:

Reducing Carry Over of Unevaporated Water.

Four-Pass Design:

Producing Higher Efficiency and Eliminating The Metal Stress due to Uneven Heat transfer, Common in Other Designs.

Eye High Burner:

No Step Ladder is Needed or bending Over to Service Burner

VHP Series



Reliability:

The Furnace Crown is Water Cooled , Eliminating Troublesome refractory Breakdown inherent in units of inferior design.
No Fire Tubes, Water Coils or In-The-Fire Mud Rings to Burn Out.

Turbulent Flame:

Heat is Forced Down, With The Fire Whirling and Spinning Against its Natural Flow, Enhancing Recirculation, Mixing and heat Transfer.

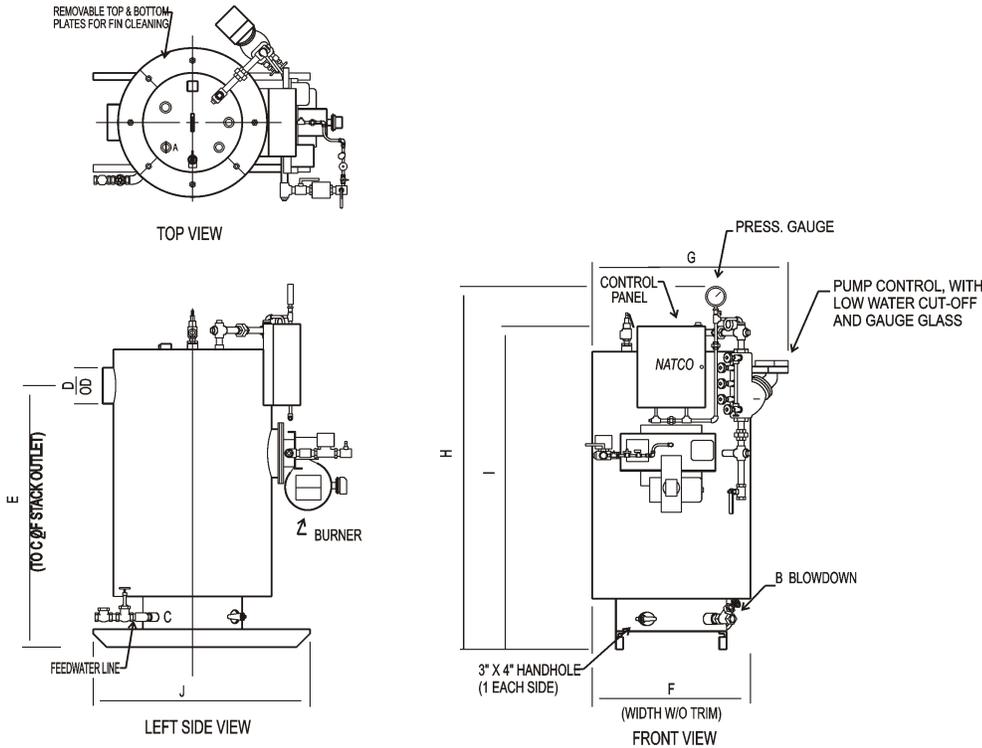
**NATCO**



Clean Steam VHP Series

STANDARD STEAM TRIM

Steam pressure gauge with syphon and test cock
 McDonnell & Miller 157 combination low water cut-off and pump control with water column blowdown valve
 McDonnell & Miller probe auxiliary low water cut-off and relay
 Water column gauge set with drain valve
 ASME safety relief valve
 Operating and high-limit pressure controls
 Feed check and shut-off valves included on boilers up to and including 30 Hp
 Y-Type blowdown valve included on boilers up to and including 30 Hp
 Steam outlet valve included on boilers up to and including 30 Hp



150# STEAM NATCO VHP SERIES SPECIFICATIONS

BOILER HORSEPOWER		6	10	15	20	25	30	40	50	60	70	80	100
STEAM FROM & OUTPUT AT 212°F	LBS./HR. KG./HR.	207 94	345 157	518 235	690 313	863 392	1035 470	1380 626	1725 783	2070 940	2415 1096	2760 1252	3450 1568
MBH OUTPUT		201	335	502	669.5	837	1004	1340	1674	2009	2344	2680	3348
INPUT REQUIRED	BTU x 1000 KCAL x 1000	252 63.2	420 105.3	630 158	840 211	1050 264	1260 317	1680 421	2100 530	2520 636	2940 738	3360 842	4184 1060
A	STEAM HIGH PRESSURE OUTLET LOW PRESSURE	1 2	1 2	1 2	1 2	1-1/4 3	1-1/2 3	2-1/2 4	2-1/2 4	2-1/2 4	2-1/2 4	2-1/2 6	3 6
B	BLOWDOWN	1	1	1	1	1	1-1/4	1-1/4	1-1/4	1-1/4	1-1/2	1-1/2	1-1/2
C	FEEDWATER	3/4	3/4	3/4	3/4	1	1	1	1	1	1	1	1 1/4
D	STACK DIAMETER	8	8	8	8	8	10	12	12	12	14	14	14
E	STACK HEIGHT	52	52	58	64	64	63	73.5	86	86	82.5	82.5	88.5
F	WIDTH WITHOUT TRIM	35.2	35.2	35.2	35.2	35.2	41	50	50	50	59	59	68
G	WIDTH WITH TRIM	45	45	45	45	45	50	55	55	55	64	64	72
H	OVERALL HEIGHT	80	80	85	92	92	91	98	110	110	108	108	114
I	HEIGHT WITHOUT TRIM	71	71	76	76	76	78	89	101	101	99	99	105
J	OVERALL LENGTH	73	73	73	77	77	76	92	92	92	95	95	103
	WATER CAPACITY @NWL GALLONS	52	52	58	58	58	79	150	172	172	207	207	261
	WATER CAPACITY FLOODED GALLONS	62	62	68	79	79	113	209	231	231	286	286	452
	APPROXIMATE SHIPPING WEIGHT LBS	2275	2275	2450	2675	3075	3200	5900	6200	6200	7200	7600	8400

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Four-Pass
 Vertical Tubeless
 High Performance
 Multi Featured
 Boiler

Available with design pressures to 300 PSIG. Low pressure steam or hot water models available. We assume no responsibility for errors in data Certified dimensions. Specifications and drawings are available on request.

Outlet connections over 4"inch on low pressure model are 150# flanges. All other connections are NPT

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Represented By