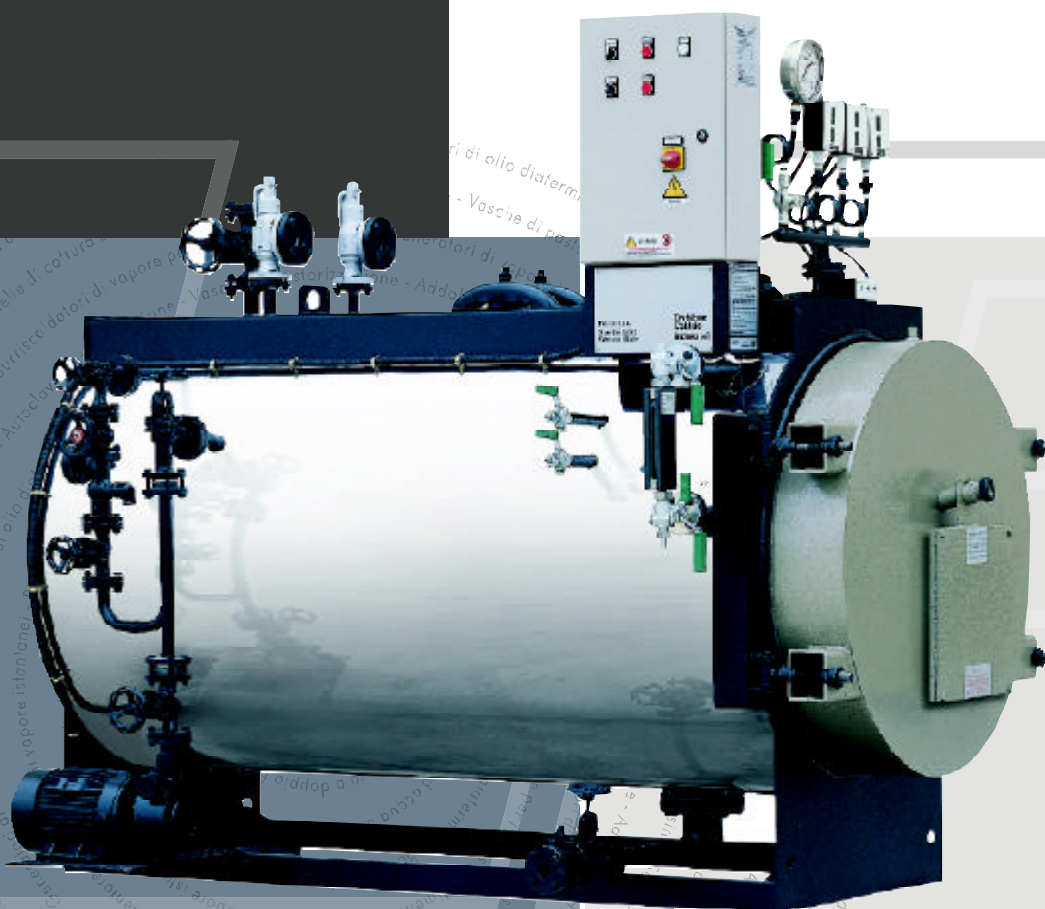


Vaporex HVP (medium pressure 12-15 bar) with flame reversal

www.lpvcaldaie.com



Single-structure all-steel saturated steam generator, with flame reversal, cooled end plate for combustion in a pressurised furnace, on liquid or gas fuel. The HVP model (medium pressure) is available with a maximum pressure rating of 12-14.8 bars. These modern-concept generators have been designed and developed in compliance with the most recent national and European standards on pressurised vessels. The volume of the combustion chamber is suitably sized

to ensure heat loads of around 1 MW/m² and low NOx emissions. The large heat exchange surface allows the average thermal flow to be limited to around 35 kW/m², guaranteeing high efficiency (minimum 90%). Some versions of the HVP generators feature one or two omega-shaped expansion joints, which as well as providing reinforcement, also absorb the expansion and contraction during operation. The feed pump, electrical panel, level indicators and

controls, safety valves, fill and discharge valves and steam outlet are all supplied. Upon request, these generators may be fitted with flanged stubs, to allow the installation of probes and valves, as per the TRD 604 standards. All the accessories fitted are supplied by leading Italian brands. Vaporex HVP generators come in models ranging from 150 to 4500 kg/h of steam output.

Vaporex HVP (medium pressure 12-15 bar) with flame reversal



TYPE		160	250	300	400	500	600	800	1000	1500	2000	2500	3000	3000S	4000	5000
Steam production	kg/h	150	250	300	400	500	600	800	1000	1500	1990	2500	2990	2990	4000	4990
Output	kcal/h	90300	146400	179740	239940	300140	360340	479880	600280	900420	1194540	1500700	1793960	1793960	2400260	2994520
	kW	105	174	209	279	349	419	558	698	1047	1389	1745	2086	2086	2791	3482
Input	kW	116	193	232	310	387	465	620	775	1163	1543	1938	2317	2317	3101	3868
Total content	litri	410	510	630	740	910	1110	1280	1560	2820	3800	4260	5380	5380	6320	7070
Minimum level content	litri	300	370	460	530	650	800	940	1140	2100	2800	3220	4060	4810	4810	5380
Smoke side pressure drop (GAS OIL / FUEL OIL)	mbar	2,00	3,80	5,50	3,50	4,50	6,80	4,60	7,20	5,10	7,20	6,20	7,80	5,50	8,00	10,50
Dimensions	A	mm	1040	1040	1040	1220	1220	1220	1450	1450	1790	1790	2020	2020	2250	2250
	B	mm	1325	1325	1325	1510	1510	1510	1780	1780	2120	2120	2370	2370	2620	2620
	C	mm	1498	1778	2078	1788	2108	2488	2146	2546	2776	3576	3272	3992	3900	4340
	D	mm	1230	1230	1230	1410	1410	1410	1640	1640	2000	2000	2320	2320	2640	2640
	E	mm	600	600	600	600	600	600	550	550	550	550	550	550	550	550
	F	mm	1140	1420	1720	1420	1740	2120	1760	2160	2380	3180	2860	3580	3460	3900
	G	mm	140	140	140	140	140	140	140	140	140	140	140	140	140	140
	H	mm	218	218	218	228	228	228	246	246	256	256	272	272	300	300
Connections	P	mm	645	645	645	730	730	730	830	830	970	970	1080	1080	1195	1195
	Q	mm	1020	1020	1020	1180	1180	1180	1420	1420	1720	1720	1920	1920	-	-
	ø1	DN	25	25	25	40	40	50	50	65	65	80	80	100	100	100
	ø2	DN	25	25	25	25	25	25	25	40	40	40	40	40	40	40
	ø3	DN	25	25	25	25	25	25	25	25	25	40	40	40	40	40
	ø4	Ø	150	150	150	200	200	200	250	250	350	350	400	400	500	500
	ø5	Ø	220	220	220	240	240	240	270	270	300	300	360	360	430	430
	ø6	DN	40	40	40	40	40	40	40	40	40	40	40	50	50	50
Weight	kg	1160	1500	1780	2120	2300	2410	2700	3450	4600	5600	6500	7900	10050	10080	10880

Accessories available on request:

connections TRD
manhole ring 320 x 120
hand opening ring 150 x 200 (standard from HVP 1500)

Key

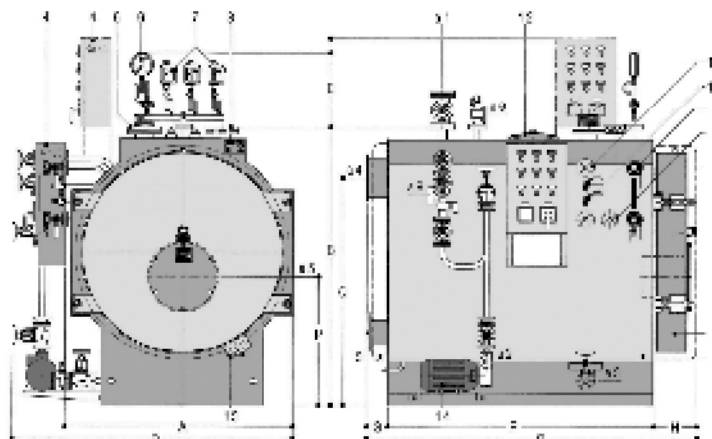
- 1 Boiler
- 2 Door
- 3 Smokebox
- 4 Control panel
- 5 Level indicator
- 6 Dial pressure gauge

- 7 Pressure switches
- 8 Level indicator (optional)
- 9 Water level gauge
- 10 Level tester
- 11 Water level gauge (optional)
- 12 Manhole

- 13 Hand opening
- 14 Feed pump
- ø1 Steam outlet
- ø2 Pump feed
- ø3 Boiler drain
- ø4 Flue gas drain

- ø5 Burner connection
- ø6 Safety drain
- ø9 Auxiliary feed

Complete layout



The measurements indicated are subject to modification without notice

LPV
C A L D A I E

LPV CALDAIE S.r.l.

Via Cremonese, 150/c - 43010 Località Fontana - Parma (Italy)
Tel. +39 0521 674088 - Fax +39 0521 674082
www.lpvcaldaie.com info@lpvcaldaie.com