

OVS1 Smoke Tube Type AUXILIARY BOILER

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立形煙管式専焼ボイラ Vertical Cylindrical Smoke Tube Type Auxiliary Boiler

"OVS1" 型補助ボイラは油燃焼、油 / ガス混焼、ガス燃焼に対応しております。
"OVS1" is possible to deal with oil burner, gas burner and oil/gas combination burner whichever.

ガス焚バーナにも対応しております。
Correspond to gas burner.

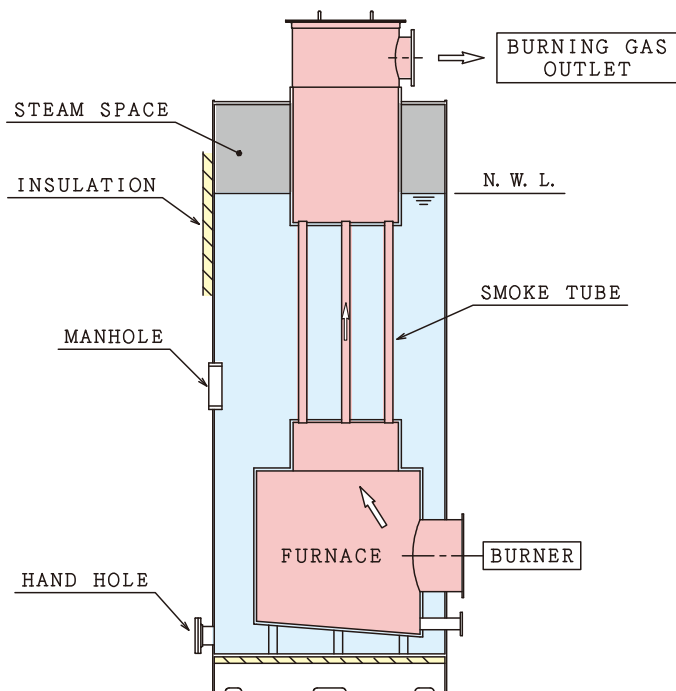
設計圧力 Design pressure	: 0.5 MPaG~0.8 MPaG
蒸発量 Evaporation	: 600 kg/h~15,000kg/h
伝熱面構成 Heating surface	: 立形煙管 Vertical smoke tube
火炉 Furnace	: 完全水冷壁式 (600kg/h ~7,000kg/h) Full water-cooled type 火炉耐火材式 (8,000kg/h ~15,000kg/h) Refractory furnace bottom type

適用バーナ Adaptable burner	: ガス焚バーナ Gas burner 油/ガス混焼バーナ Oil/Gas combination burner 油圧噴霧式バーナ Pressure jet type burner ロータリーカップバーナ Rotary cup type burner 蒸気噴霧式バーナ Steam atomizing type burner
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廃油焼却 : オプション
Waste oil burning Option

低硫黄燃料 : 使用可能
Low sulfur fuel Possible

製品断面図 GENERAL VIEW



OVS1	STANDARD SPECIFICATION			
Evaporation	Diameter	Height	Boiler Weight	Water Contents
600 kg/h	1,400 mm	4,000 mm	4.19 ton	3.92 m ³
1,250 kg/h	1,600 mm	4,244 mm	5.86 ton	5.09 m ³
1,600 kg/h	1,700 mm	4,429 mm	7.16 ton	5.93 m ³
2,000 kg/h	1,800 mm	4,529 mm	7.95 ton	6.85 m ³
2,500 kg/h	1,900 mm	4,629 mm	9.01 ton	7.44 m ³
3,000 kg/h	2,000 mm	4,887 mm	10.13 ton	8.56 m ³
4,000 kg/h	2,200 mm	5,095 mm	12.54 ton	11.01 m ³
5,000 kg/h	2,300 mm	5,297 mm	14.33 ton	12.15 m ³
6,000 kg/h	2,500 mm	5,358 mm	16.97 ton	14.47 m ³
8,000 kg/h	2,700 mm	6,355 mm	22.20 ton	18.31 m ³
10,000 kg/h	2,800 mm	6,855 mm	25.28 ton	20.16 m ³
12,500 kg/h	3,000 mm	7,155 mm	31.30 ton	22.76 m ³
15,000 kg/h	3,150 mm	7,455 mm	34.91 ton	25.00 m ³

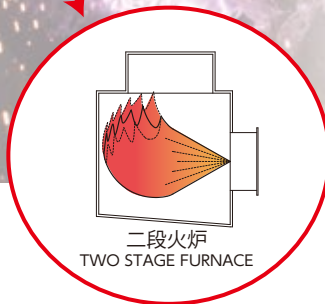
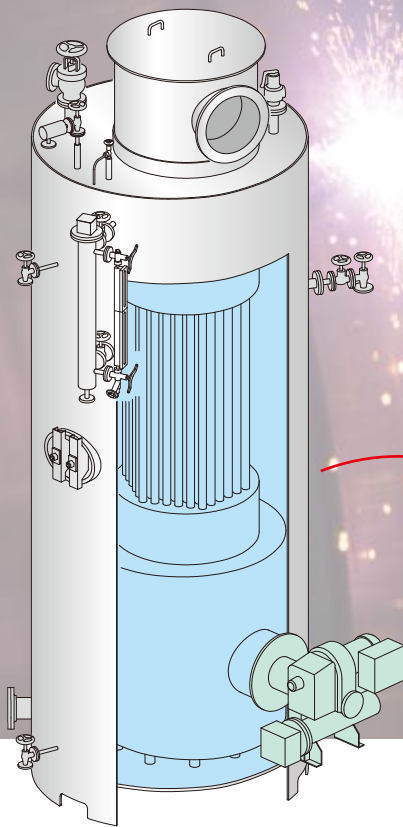
* 油専焼の場合
(This specification corresponds to oil burner only)

Note:
1. Boiler weight includes the boiler proper, insulation, fittings and burner equipment.
2. Water contents show capacity to N.W.L.

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DESIGN FEATURE

- 1. シンプルな伝熱面の構成で、クリーニング・保守整備が容易。**
Simple structure of heating surface makes cleaning and maintenance easy.
- 2. すべての伝熱面が目視可能で、メンテナンススペースを広く確保。**
All heating tubes are visible and keeping the wide/enough maintenance space.
- 3. 二段火炉構造により熱負荷を低減させ、伝熱管の長寿命化に貢献。**
By adopting two stage furnace structure, lifetime of heating tubes can be prolonged.
- 4. スパイラル管を採用し、ボイラ全体のコンパクト化を達成。**
By adopting spiral tubes for oil firing side, boiler size improves to be compact.
- 5. 万が一伝熱管を交換する際は、伝熱管 1 本からでも交換可能（犠牲管は不要）。**
In case of trouble, one piece of heating tubes is possible to exchange without cutting sacrificed heating tubes.