

OVS2 Smoke Tube Type COMPOSITE BOILER

OSAKA BOILER MFG.CO.,LTD.
 2-28, Takejima 5-Chome, Nishiyodogawa-ku, Osaka
 555-0011, Japan
 TEL : +81-6-6471-2451 FAX : +81-6-6474-1740
 MAIL : marine@osakaboiler.co.jp

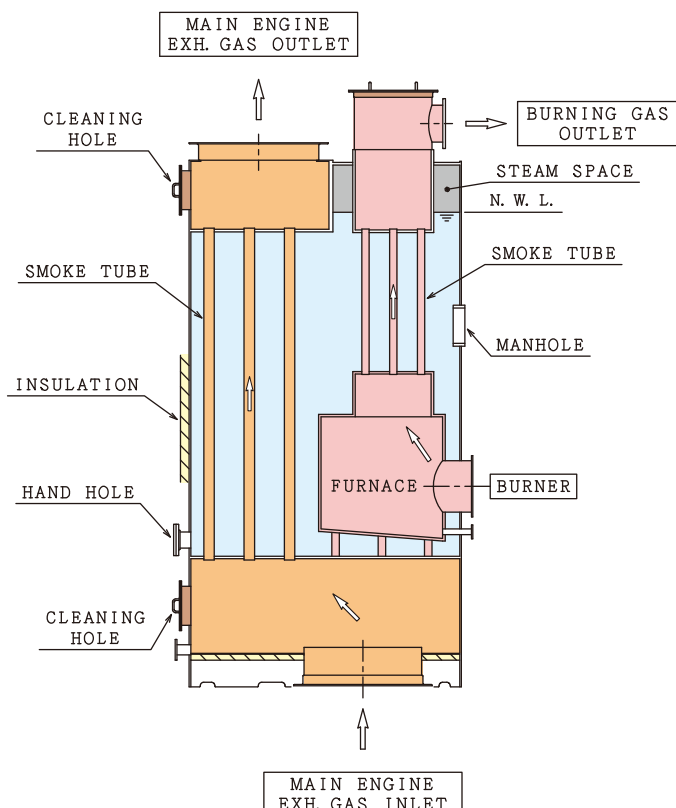
立形煙管式コンポジットボイラ Vertical Cylindrical Smoke Tube Type Composite Boiler

"OVS2" 型コンポジットボイラはすでに 2,000 缶以上の納入実績があり、高い評価を得ています。
 Nowadays "OVS2" has been installed to over 2,000 vessels, and is receiving good evaluation.

設計圧力 Design pressure	: 0.5 MPaG~0.8MPaG
蒸発量 Evaporation	: 油焚側 400~3,000kg/h Oil firing side 排ガス側 300~3,000kg/h Exhaust gas side
伝熱面構成 Heating surface	: 立形煙管(油焚側・排ガス側共) Vertical smoke tube (Oil firing side & Exhaust gas side)
火炉 Furnace	: 完全水冷壁式 (耐火材は不要) Full water-cooled type (No use of refractory material)

適用バーナ Adaptable 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
廃油焼却 Waste oil burning	: オプション Option
低硫黄燃料 Low sulfur fuel	: 使用可能 Possible

製品断面図 GENERAL VIEW



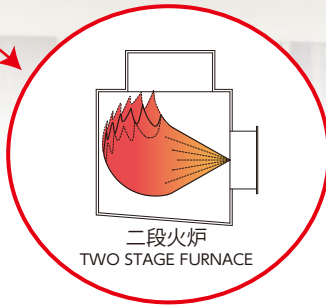
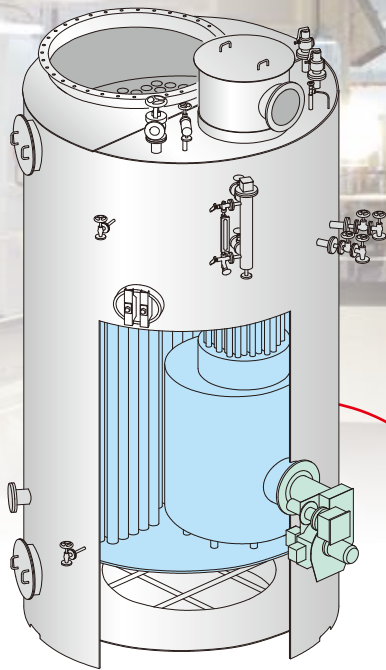
Oil Firing Side Evaporation	Exhaust Gas Side Evaporation
400 ~ 600 kg/h	300 ~ 3,000 kg/h
601 ~ 1,000 kg/h	300 ~ 3,000 kg/h
1,001 ~ 1,250 kg/h	300 ~ 3,000 kg/h
1,251 ~ 1,600 kg/h	300 ~ 3,000 kg/h
1,601 ~ 2,000 kg/h	300 ~ 3,000 kg/h
2,001 ~ 2,500 kg/h	300 ~ 3,000 kg/h
2,501 ~ 3,000 kg/h	300 ~ 3,000 kg/h

Note:
 1. Boiler dimension is designed based on the exhaust gas condition.

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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、伝熱管の長寿命化を図る。**
By adopting two stage furnace structure, lifetime of heating tubes can be prolonged.
- 4. 煙管の採用により、水管群で発生するカルマン渦による鳴音発生が無い。**
By adopting smoke tubes, the noise by "Karman Vortex" is not occurred.
- 5. 油焚側にスパイラル管を採用し、ボイラ全体のコンパクト化に貢献。**
By adopting spiral tubes for oil firing side, boiler size improves to be compact.
- 6. 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.