



TECHNICAL COMPANY

# DAI VIET

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Head office : 563 Núi Thành street, Đà Nẵng city  
Factory : No.03 Road – Hoa Cam industry Zone – Da Nang city

## ABSOLUTE SAFETY BOILER

### Introduction of oil/gas steam boiler Type : 3 pass horizontal



The DAVITECCO oil/gas (diesel) is three-return fired tube steam boiler with wet back structure. The high temperature flue gas will be injected into the atmosphere after convection heat transfer through the reversal chamber into the first flue tube bundle and then from the front smoke box with turning 180°C into the second flue tube bundle.

#### Feature of oil/gas steam boiler

- 1) Newly design and advanced technology: 100% corrugated furnace and spirally corrugated tube: have good thermal flexibility. Adopting the high efficient glass fiber thermal insulation material of multilayer insulation protection.
- 2) Scientific airflow design: The temperature of the furnace inside is uniformity and also can absorb flame heat effectively.
- 3) Excellent imported burner: Italy famous burner, the fuel can burn completely and meet the most stringent international environmental requirements.
- 4) Easy to maintain and repair: The inside of the furnace body equipped with man hole, head pore and hand hole which make the repairmen and maintenance much simpler and convenient.
- 5) Intelligent control: The boiler can work automatically according to the users setting program.
- 6) Safe and reliable: with safety valve, pressure controller, water level control protector, water level alarm, exhaust thermal protective device and multiple chain protection device.



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## ABSOLUTE SAFETY BOILER

### Parameter of oil/gas steam boiler

Model	DV- OGSB- 1T-H	DV- OGSB- 1,5T-H	DV- OGSB- 2T-H	DV- OGSB- 3T-H	DV- OGSB- 4T-H	DV- OGSB- 5T-H	DV- OGSB- 6T-H	DV- OGSB- 8T-H	DV- OGSB- 10T-H	DV- OGSB- 15T-H	DV- OGSB- 20T-H
Rated evaporation capacity(t/h)	1	1.5	2	3	4	5	6	8	10	15	20
Rated steam pressure(Mpa)	0.7/1.0	1.0/1.25	1.0/1.25	1.0/1.25	1.0/1.25	1.0/1.25	1.25/1.6	1.25/1.6	1.25/1.6	1.25/1.6	1.25/1.6
Rated steam temperature( °C)	170/184	184/194	184/194	184/194	184/194	184/194	194/204	194/204	194/204	194/204	194/204
water supply temperature( °C)	20	20	20	20	20	20	20	20	20	20	20
heating area(m2)	25	36	60	77	113	127	181	190	232	346	467
thermal efficiency(%)	90	90	90.2	90.5	91	91.3	91.3	91.6	91.6	91.8	92
fuel available	light oil      heavy oil      natural gas										
motor power(KW)	3.6	4.8	7	10	13	16	19	29	33	60	90
light oil consumption(kg/h)	66.5	99	133	196	266	332	399	532	660	997	1204
natural gas consumption ( Nm3/h )	75	112	150	225	300	375	450	600	750	1125	1418
weight(t)	4	4.5	8	9	13	14.3	19	22.6	25.5	34	45
size:LxWxH (m)	3.6x2.0 x2.0	3.8x2.0 x2.0	4.8x2.5 x2.46	5.3x2.5 x2.5	5.8x2.85 x2.8	6.3x2.9 x2.8	7.25x3.1 x3.15	7.45x3.2 x3.2	8.7x3.26 x3.2	8.7x3.7 x3.5	10x3.6 x4.0

Notes : Design capacity at the request of the customer



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## ABSOLUTE SAFETY BOILER

### Introduction of gas /oil steam boiler type Vertical



1. This boiler is three-pass water tube steam boiler with top-fired burner. The flame can completely spread from the top to the bottom and burn sufficiently.
2. The gas need to make a three-return heat transfer, so the heat loss will be reduced and the thermal efficiency will be higher

#### Advantages of gas/oil steam boiler

1. Safety and reliable: with a safety valve, pressure controller, water level control protector, double counter-current and exhaust thermal protective device, multiple chain protection device.
2. Good quality: choose imported Italian burner, burning more fully, more stable operation and lower noise.
3. Quickly startup, achieving high temperature and pressure in short time.
4. Nature circle, be able to endure different temperature.
5. Small installing area: vertical type, easy to install.
6. Environmental protect: the boiler has the function of dust removal, which makes the soot discharge meet the national environmental standards requirements.



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## ABSOLUTE SAFETY BOILER

### Parameter of gas/oil steam boiler

Model		DV-OGSB-0.1T-H	DV-OGSB-0.2T-H	DV-OGSB-0.3T-H	DV-OGSB-0.5T-H	DV-OGSB-0.7T-H	DV-OGSB-1T-H
Rated steam capacity(t/h)		0.1	0.2	0.3	0.5	0.7	1
Rated steam pressure(Mpa)		0.4	0.4	0.4/0.7	0.4/0.7	0.4/0.7	0.7/1.0
Steam temperature(C)		151	151	151/170	151/170	151/170	170/184
Supply water temperature(C)		20	20	20	20	20	20
Heating area(m <sup>2</sup> )	Body	3	6	8.4	15	21.5	26.32
	Economizer			4.8	4.8	8.96	10.24/11.52
Thermal efficiency(%)		89	89.2	90.6	90.6	93.9	92
Fuel available		Light diesel oil heavy oil natural gas					
Motor General power(kw)		1.1	2.6	2.66	2.96	3.2	4
Fuel consumption	Light oil (Kg/h)	6.6	14	20.62	34.37	46.53	67.88
	Natural gas (Nm <sup>3</sup> /h)	9	19	24.98	41.69	56.22	82.61
Boiler weight(t)		0.83	1	2.113	2.657	3.64	3.75/3.9
Boiler size(m)(LxWxH)		0.8x1.94	0.9x2.7	1.34x1.30x2.51	1.54x1.50x2.86	1.90x1.80x3.040	1.90x1.80x3.310

Notes : Design capacity at the request of the customer