



Gas-oil fired steel hot water boilers DG series



ISO 9001:2008

8 years guarantee

Hot water boilers of DG series are certified for gas and oil from Technigas in Belgium



Steel hot water boilers for gas-oil DG series

Thermolev hyper-pressuring hot water boilers for gas and oil of DG series are known for their high technological level and their best performance which is more than 92%.

Thermolev products follow strict specification; DG series hot water boilers for gas and oil are certified in accordance with the European standards ISO 9001:2008, CE with the directive 92/42/EEC and the certification for gas appliances according to the directive 90/396/EEC. This directive is essential for the safety in operation of gas boilers.

Their high quality construction and design offer to its costumers high output of two stars (**), economic operation and long-life.

The automatic manufacturing process ensures that consumers receive a final product of utmost reliability and efficiency. Thermolev grants its costumers wish for noiseless operation, low fuel consumption and low emission fuel. DG series hot water boilers for oil and gas are the best choice for all small and big heating installations.

Advantages of hot water boilers DG series

Boilers are manufactured according to the standards and the approval of ELOT, Din 17100. 4702.

There are three exhaust routes for better utilization of exhaust heat and the highest possible efficiency.

Excellent completion of the combustion and heat transfer is achieved because of the circular section and the cylindrical shape of the boiler.

The smoke chamber is studied to have such a bulk as to preserve high dP in the boiler.

Hot water boilers of DG series have air pipes (tubes), from a tube without seam, with the addition of special fumes turbines for the accomplishment of the biggest performance and absorption of heat.

The boiler door is opened, right or left at the costumer's choice.

They have strong thermal insulation for even greater energy savings.

Thermolev hot water boilers are offered with a control panel for complete operation monitoring.





Control panel Thermolev

Thermolev control panel for DG boilers include:

- · General switch on/off with indicative valve
- ·Thermal safety
- · Burner thermostat
- · Circulator thermostat
- · Water thermometer



Burner and hot water boiler DG series

Oil or gas steel hot water boilers Thermolev are compatible with any kind of oil or gas burner which is certified and approved according European standards.

Oil burners must be certified and approved according DIN 4787, EN 267 with appliance directive 92/42/EEC. Gas burners must be approved according DIN 4788, EN 676 and also to be accompanied by the directive 90/369/EEC for gas appliances.



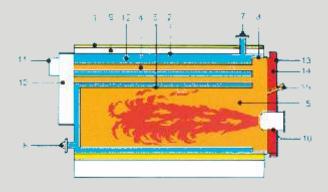
Alteration from oil to gas

Steel oil boiler DG series can be transformed to gas boiler quickly, easily and economically with the addition of GAS KIT.

This KIT includes:

- ·Safety switch which is placed on the boiler's door in order to stop burner's operation when door opens
- ·Control panel with an extra inlet for the general switch connection
- · Door cover and insulation
- · Different dimensions of spiral restrictors for all the flame pipes

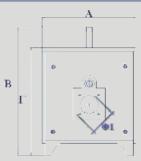
Drawing of the combustion chamber

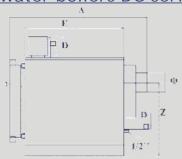


- 1. External boiler's cover
- 2. External boiler's casing
- 3. Cylinderal thin sheet of metal blade
- 4. Flame pipes
- 5. Chamber of combustion
- 6. Cylinder of flame-chamber
- 7. Exit of hot water
- 8. Returning water entrance
- 9. Boiler's insulation
- 10. Smoke chamber
- 11. Fume's exit
- 12. Water area
- 13. Boiler's door
- 14. Fire-proof door cover



Technical characteristics of hot water boilers DG series





Туре	Heat Output [kcal/h]	Heat Output [kw]	[mm]	1 [mm]	D [in]	Max work.pr [bar]	W.Pr.Drop [mbar] (t 15 C)	Pressure Comb.Ch. [mbar]	Weight [kgr]						
DG 030	30000	34,7	545	635	620	810	575	455	118	140	1 1/4	5,0	8	0,25	117
DG 040	40000	46,3	615	765	705	875	640	535	148	147	1 1/4	5,0	9	0,25	154
DG 050	50000	57,9	615	765	705	945	720	535	148	147	1 1/4	5,0	10	0,30	163
DG 060	60000	69,4	655	820	745	1005	780	575	148	147	1 1/2	5,0	10	0,40	190
DG 080	80000	92,6	705	910	815	1090	790	600	177	163	2	5,0	12	0,70	273
DG 100	100000	115,7	705	910	815	1200	890	600	177	163	2	5,0	13	0,80	293
DG 130	130000	150,5	770	1080	975	1315	1000	755	196	178	2 1/2	5,0	18	1,20	394
DG 160	160000	185,2	770	1080	975	1565	1260	755	196	178	2 1/2	5,0	20	1,40	473
DG 200	200000	231,5	770	1080	975	1835	1510	755	196	222	2 1/2	6,0	21	1,80	535
DG 250	250000	289,4	805	1100	980	1985	1670	755	215	222	2 1/2	6,0	24	2,10	636
DG 300	300000	347,2	965	1210	1090	2130	1765	830	245	Flange	3	6,0	40	2,90	814
DG 350	350000	405,1	965	1210	1090	2205	1845	830	245	Flange	3	6,0	40	3,50	992
DG 400	400000	463,0	1030	1300	1185	1985	1695	830	345	Flange	4	6,0	27	3,90	1100
DG 450	450000	520,8	1030	1300	1185	2100	1840	830	345	Flange	4	6,0	28	4,10	1221
DG 500	500000	578,7	1030	1300	1185	2300	2040	830	345	Flange	4	6,0	29	4,30	1343
DG 550	550000	636,6	1030	1300	1185	2500	2240	830	345	Flange	4	6,0	31	4,55	1417
DG 600	600000	694,4	1230	1485	1345	2590	2150	1000	345	Flange	5	6,0	29	4,80	1490
DG 700	700000	810,2	1230	1485	1345	2860	2420	1000	345	Flange	5	6,0	31	5,20	1654
DG 800	800000	925,9	1480	1740	1590	2750	2290	1205	398	Flange	5	6,0	37	5,70	1718
DG 900	900000	1041,7	1480	1740	1590	2850	2400	1205	398	Flange	5	6,0	37	5,80	1969
DG 1000	1000000	1157,4	1480	1740	1590	2950	2510	1205	398	Flange	5	6,0	38	5,90	2220
DG 1200	1200000	1388,9	1480	1740	1590	3180	2720	1205	398	Flange	6	6,0	41	6,40	2710
DG 1400	1400000	1620,4	1480	1740	1590	3070	2610	1205	398	Flange	6	6,0	44	6,60	3227
DG 1500	1500000	1736,1	1480	1740	1590	3255	2795	1205	398	Flange	6	6,0	45	6,70	3458
DG 1600	1600000	1851,9	1480	1740	1590	3440	2980	1205	398	Flange	6	6,0	47	6,80	3688
DG 1800	1800000	2083,3	1480	1740	1590	3810	3350	1205	398	Flange	7	6,0	50	7,00	4149
DG 2000	2000000	2314,8	1480	1740	1590	4180	3720	1205	398	Flange	7	6,0	52	7,20	4610

• μ μ (40mm)









