



97/23/EC DIRECTIVE  
"Pressure Equipment Directive"



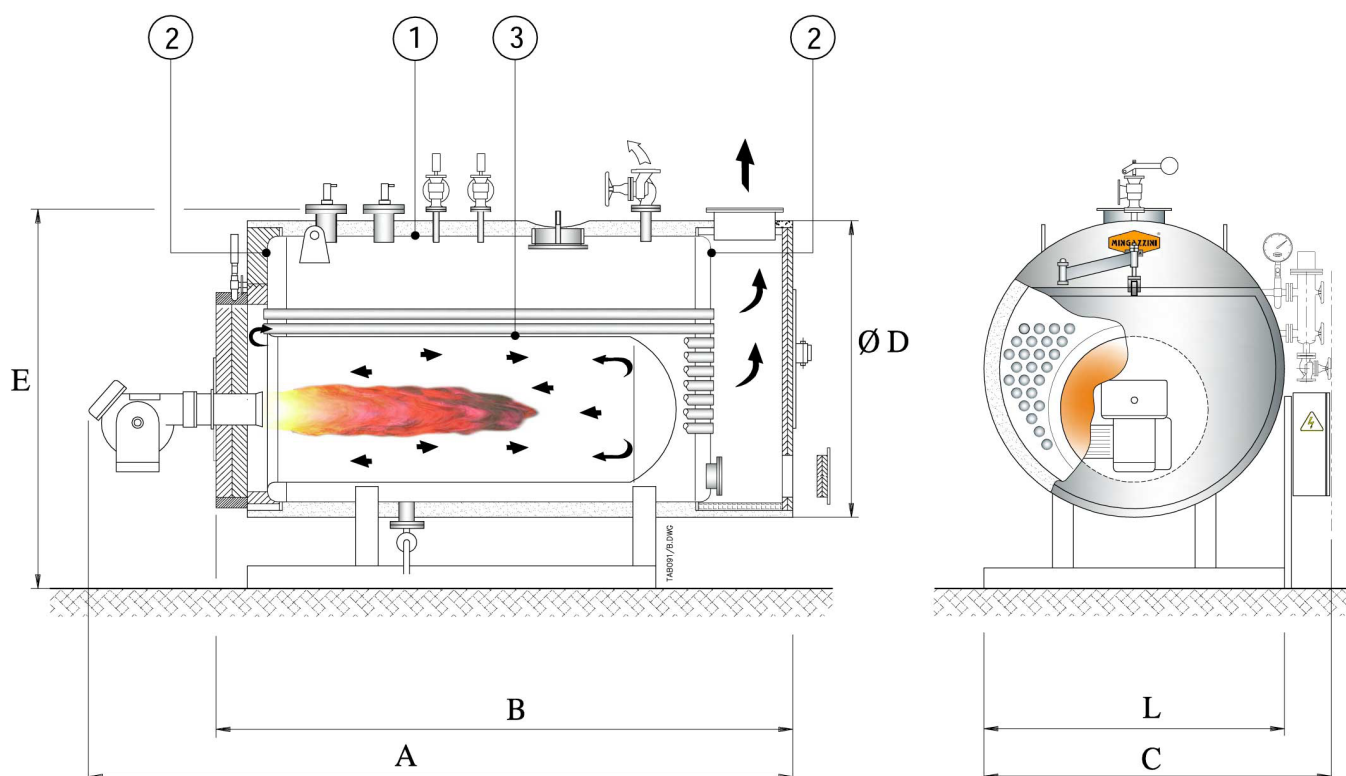
# *STEAM BOILERS REVERSE FLAME DESIGN PVR EU series*



| TECHNICAL FEATURES                          |        | PVR 3 EU | PVR 5 EU | PVR 7 EU | PVR 10 EU | PVR 15 EU | PVR 20 EU | PVR 30 EU | PVR 40 EU | PVR 50 EU |
|---------------------------------------------|--------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| RATED STEAM OUTPUT                          | kg/h   | 350      | 500      | 800      | 1.200     | 1.600     | 2.000     | 3.000     | 4.000     | 5.000     |
| HEAT CAPACITY                               | kcal/h | 201.250  | 287.500  | 460.000  | 690.000   | 960.000   | 1.150.000 | 1.725.000 | 2.300.000 | 2.875.000 |
|                                             | kW     | 234      | 334      | 535      | 802       | 1.116     | 1.337     | 2.006     | 2.675     | 3.343     |
| MAXIMUM PRESSURE                            | bar    | 12       | 12       | 12       | 12        | 12        | 12        | 12        | 12        | 12        |
| HYDRAULIC TEST PRESSURE                     | bar    | 18       | 18       | 18       | 18        | 18        | 18        | 18        | 18        | 18        |
| THERMAL EFFICIENCY                          | %      | 90       | 90       | 90       | 90        | 90        | 90        | 90        | 90        | 90        |
| FEEDING WATER TEMPERATURE                   | °C     | 90       | 90       | 90       | 90        | 90        | 90        | 90        | 90        | 90        |
| MAXIMUM FUEL OIL CONSUMPTION (NCV 9700*)    | kg/h   | 23       | 33       | 53       | 79        | 105,4     | 132       | 198       | 263       | 329       |
| MAXIMUM DIESEL OIL CONSUMPTION (NCV 10200*) | kg/h   | 21,9     | 31,3     | 50,1     | 75,2      | 100,2     | 125,3     | 187,9     | 250,5     | 313,2     |
| MAXIMUM NATURAL GAS CONSUMPTION (NCV 8550*) | Nm³/h  | 26       | 37       | 60       | 90        | 119,6     | 149       | 224       | 299       | 374       |
| INSTALLED POWER WITH FUEL OIL BURNER        | kW     | 6        | 7,5      | 12,5     | 12,5      | 23        | 26        | 36,5      | 38,5      | 48        |
| INSTALLED POWER WITH DIESEL OIL BURNER      | kW     | 3        | 3        | 4,5      | 5         | 7         | 10,5      | 15,5      | 17,5      | 23        |
| INSTALLED POWER WITH GAS BURNER             | kW     | 3        | 3        | 4,5      | 5         | 7         | 10,5      | 13        | 15        | 20        |

\* NCV = Net Calorific Value, expressed in kcal/kg for fuel oil and Diesel oil, in kcal/Nm³ for natural gas.

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|--------------------------------|----|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| STEAM BOILER WEIGHT            | kg | 2.600    | 3.100    | 3.800    | 4.600     | 5.800     | 7.400     | 10.200    | 11.800    | 14.000    |
| LENGTH WITH BURNER (REF. A)    | mm | 2.670    | 2.940    | 3.290    | 3.650     | 4.160     | 4.340     | 5.100     | 5.850     | 5.850     |
| LENGTH WITHOUT BURNER (REF. B) | mm | 2.030    | 2.280    | 2.580    | 2.960     | 3.270     | 3.450     | 4.010     | 4.760     | 4.760     |
| WIDTH (REF. C)                 | mm | 1.570    | 1.670    | 1.750    | 1.850     | 2.000     | 2.240     | 2.550     | 2.550     | 2.640     |
| HEIGHT (REF. E)                | mm | 1.830    | 1.930    | 2.030    | 2.130     | 2.280     | 2.480     | 2.805     | 2.805     | 3.015     |
| SMOKE OUTLET DIAMETER          | mm | 250      | 250      | 250      | 300       | 350       | 400       | 450       | 450       | 550       |



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Values are approximate. According to the continuous search for improvements MINGAZZINI S.R.L. reserves the right to make changes without any advance notice.



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