

industrial burners

novanta-cinquecento-mille series

INDUSTRIAL

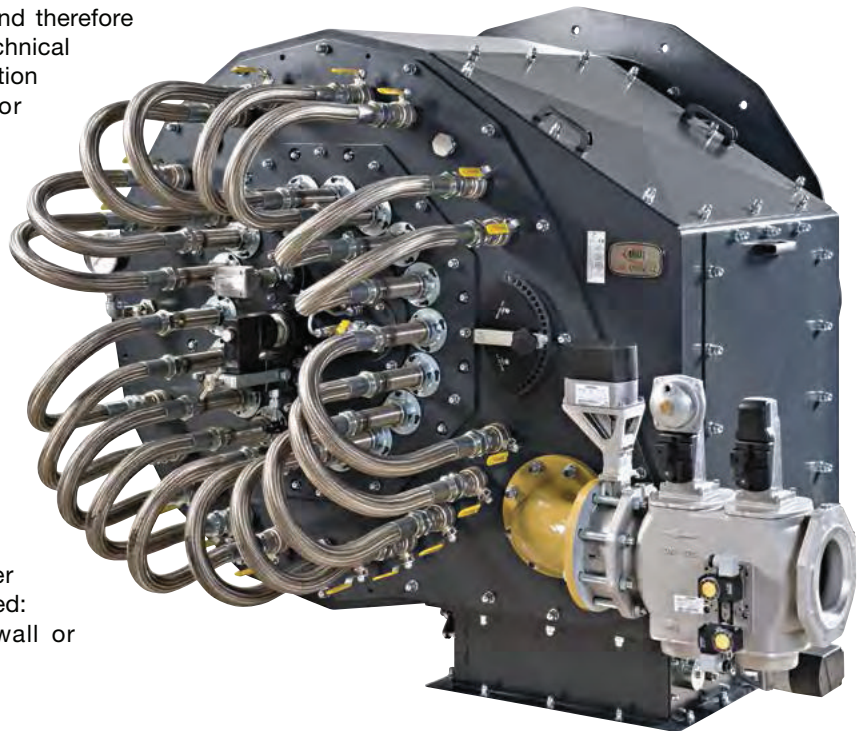
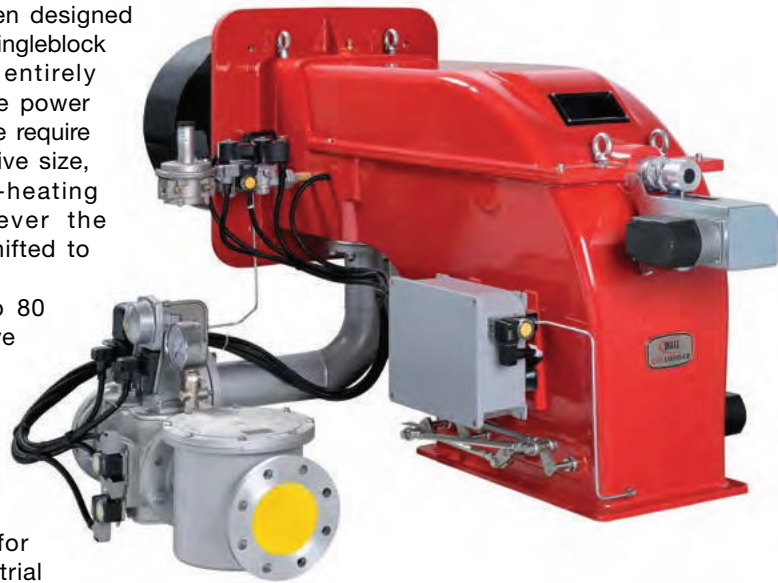
BURNERS FOR INDUSTRIAL APPLICATIONS WITH SEPARATE FAN

These industrial burners have been designed for all those applications in which singleblock models are poorly suited or entirely inadequate, such as wherever the power values at the firing would otherwise require the use of built-in fans of excessive size, whenever combustion air pre-heating is provided, or again, whenever the primary noise source must be shifted to soundproofed areas.

The range runs from 264 kW to 80 MW power in different constructive versions as required by the type of final system or specific client needs.

Aluminium casting is usually used for the lower power models (up to 19 MW), while steel construction is adopted for higher power models. This industrial burner design project was developed to obtain the greatest versatility in order to achieve the objectives posed by the client, and therefore in respect of the widest range of technical specifications. For example, combustion heads with air inlet from above or below the firing, axial or tangential air flow, or registers for turbulence adjustment and other features can be provided. This means that the machines can be personalised as required by size and performance in different industrial sectors that offer differ widely one from another. All the combustion heads are obviously available in the versions for liquid, gaseous or mixed fuels. Personalisation in these cases is almost inevitable and entirely feasible with our range, and all such requests are carefully analysed, one by one. Each system can be further distinguished by the equipment provided:

- built-in or separately-mounted (wall or console) control panels
- electronic or mechanical adjustment
- oxygen flow control
- flue gas re-circulation
- combustion air heated up to 200°C
- combustion oil thrust unit
- combustion oil heating unit





TECHNICAL DETAILS

TP gas series

| Type | Min modulation output kW | Min application output kW | Max output kW |
|---------------|--------------------------|---------------------------|---------------|
| TP90A | 320 | 1.610 | 2.300 |
| TP91A | 480 | 1.869 | 2.670 |
| TP92A | 480 | 2.135 | 3.050 |
| TP93A | 550 | 2.870 | 4.100 |
| TP512A | 600 | 3.150 | 4.500 |
| TP515A | 770 | 3.640 | 5.200 |
| TP520A | 1.000 | 4.480 | 6.400 |
| TP525A | 2.000 | 6.825 | 9.750 |
| TP1030 | 2.500 | 9.100 | 13.300 |
| TP1050 | 3.500 | 10.850 | 15.500 |
| TP1080 | 3.500 | 13.300 | 19.000 |



TLX gas series LOW NOx

| Type | Min modulation output kW | Min application output kW | Max output kW |
|----------------|--------------------------|---------------------------|---------------|
| TLX90 | 288 | 1.036 | 1.480 |
| TLX91 | 674 | 1.406 | 2.008 |
| TLX510 | 800 | 2.275 | 3.250 |
| TLX515 | 770 | 3.080 | 4.400 |
| TLX520 | 1.000 | 4.060 | 5.800 |
| TLX1025 | 1.000 | 6.020 | 8.600 |
| TLX1030 | 2.600 | 9.100 | 13.300 |
| TLX1050 | 3.500 | 10.850 | 15.500 |



TG series light oil

| Type | Min modulation output kW | Min application output kW | Max output kW |
|---------------|--------------------------|---------------------------|---------------|
| TG90 | 264 | 1.330 | 1.900 |
| TG91 | 698 | 1.465 | 2.093 |
| TG92 | 849 | 1.791 | 2.558 |
| TG510 | 1.314 | 2.767 | 3.953 |
| TG515 | 1.628 | 3.419 | 4.884 |
| TG520 | 2.326 | 4.884 | 6.977 |
| TG525 | 2.000 | 6.825 | 9.750 |
| TG1030 | 2.500 | 9.100 | 13.300 |
| TG1050 | 3.500 | 10.850 | 15.500 |
| TG1080 | 3.500 | 13.300 | 19.000 |

