



HT BLOWERS MADE OF REFRACTORY MATERIALS

For application in high temperature areas

Shock-wave distribution along the surfaces to be cleaned

In order to inject shock-waves inside pipes and conduits where there is the presence high temperatures gases (above 1000 ° C), you will need to revert to injectors made of refractory materials that are structurally strong, corrosion resistant and able to spread the shock-wave onto large surfaces.

The HT blower, immersed or pressed in refractory masonry materials, is positioned in such a manner as to allow the volume of high speed air discharged from the cannon to be delivered in fan shape onto the surface contiguous to the discharge point.

This cannon produced, cyclically repeated (pre-established firing frequencies), air "blast", removes the particles of material that would otherwise tend to settle in the inner walls of the pipeline and are then transported away by the gases: if untouched these dust deposits would normally consolidate inside the ducts and thicken, thus reducing the free passage of gases and lowering the efficiency levels of the system.

These blowers can be made of thick refractory steel or a mixture of inert refractory materials and can have different shapes according to the intended application.

The following are distinguished according to the shape of discharge

- Blowers 00** → discharge in line with respect to intake
- Blowers 90** → discharge at 90° with respect to intake



HT blowers are available in the following models:

- ◆ **BLOWERS HT STANDARD 00**
- ◆ **BLOWERS HT STANDARD 90**
- ◆ **BLOWERS HT GROSSO SPESSORE 00**
- ◆ **BLOWERS HT TECHNO 00** → extremely easy to use, more functional and economical than conventional models. The result of a careful redesign TECHNO blowers were reduced by optimizing the distribution of the material (increasing the areas most exposed to corrosion and wear and reducing the sections that are not subject to high stresses). The air exhaust section has been redesigned, eliminating the points most susceptible to airway blockages of the exhaust outlet over time. The lower weight obtained increases ease of use at the work site, making this product easy to manage during assembly and upon warehouse storage. An extended tubular section permits for the direct mounting of the blower to the support structure: it is therefore possible to weld standard carbon steel pipe segments directly onto the blower, allowing for on-site installation.

Barra Project International Srl also offers **refractory spun steel pipes**

- temperature max 1200°C
- dimensions DN100 / DN150
- excellent level of resistance to corrosion



BLOWERS IN REFRACTORY STEEL

Item	Description	Pipe length mm
611800	BLOWER HT STANDARD 00	300
611805	BLOWER HT STANDARD 00	500
611810	BLOWER HT STANDARD 90	300
611815	BLOWER HT STANDARD 90	500
611820	BLOWER HT GROSSO SPESSORE 00	300
611825	BLOWER HT GROSSO SPESSORE 00	500
611830	HEAD BLOWER HT GROSSO SPESSORE 00	-
611840	BLOWER HT TECHNO 00	300
611841	BLOWER HT TECHNO 00	500
611831	HEAD BLOWER HT TECHNO 00	-
611832	HEAD BLOWER HT TECHNO 00 HQ	-



BLOWERS PIPE IN REFRACTORY STEEL

Item	Description	Øe / Øi	Length mm
611856	HT BLOWER PIPE	121/101	1000
611872	HT BLOWER PIPE	121/101	2340
611873	HT BLOWER PIPE	121/101	2540
611867	HT BLOWER PIPE	172/152	3100
611848	HT BLOWER PIPE THREADED	121/101	500
611851	HT BLOWER PIPE THREADED	121/101	840
611860	HT BLOWER PIPE THREADED	121/101	1250

