

The wide range of machines that Tecflam Srl has equipped in more than 20 years of activity, demonstrates the flexibility with which its departments, Technical, production and after sale service, follow and respond ever the more so to requests by some of the most important European Dryer manufacturers which come through our sales network.

In recent years Tecflam Srl has re-organized its entire after sales service, now present, made up of the service department which has been entrusted to manage not only the spare parts but also to provide technical assistance; to visit, support and maintain close contacts with our external and foreign divisions that work side by side with us.



# Tecflam

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Azienda con Sistema Qualità  
 Certificato ISO 9001  
 Nr. certif. 50 100 10767



Belarus Certification  
 11-1-0389-2012



# Tecflam

burners and thermal machines



cereals & seeds

The burners described below can run on natural gas or LPG with a gas pressure of 300 mbar. We are also able to supply, on request, burners that can operate with low gas pressure (up to 20 mbar), with Biogas or gas with low heat energy values.

### VD...



Traditional gas burners for direct fire in vertical dryers. With this type of combustion, the process air for drying, generated by the dryers fans, the combustion air generated by the burners fans and the combustion fumes, all mix together to form the air necessary to dry the product, reducing energy consumption. Heat capacity from 814 kW to 8150 kW.

### VD... DUAL



For vertical dryers. Thanks to their design in the dryer channel, they are able to deliver greater power, occupy less space and ensure an even heat air distribution. Heat capacity from 4884 kW to 16280 kW.

### VD... BT



Low temperatures. These are also suitable for vertical dryers. They are equipped to function well even at very low temperatures (up to minus 20°C). Although this has only been applied to the VD series, it will be possible to extend this feature also to the other products listed in this leaflet. Heat capacity from 814 kW to 16280 kW.

### VD.C...



Duct burners. Burners inserted inside a square or rectangular duct channel made of zinc-plated steel manufactured according to the Dryer manufacturers specifications. Just like the other burners, these have a linear combustion body in stainless steel for high temperatures, that, only in this series, can be designed in an "H" or "X" shape. This type of configuration, which differs from the traditional linear burner, allows to increase the heating capacity while at the same time keeping the same size of duct section. Heating capacity from 175 kW to 4650 kW.

### VD.CR...



Same burners as the previous series, but with circular channel. Heating capacity from 175 kW to 4300 kW.

### VD.CRS... e VD.CS...



The burners of this series can have the same duct shape and combustion body configuration as the previous series. The only difference is that they use the process air from the plant for combustion. Heating capacity from 175 kW to 4300 kW.

### VD.PE...



If you need to increase the process air temperature through a duct, by fixing the burner with a flange on the outside of the duct, this burner can be inserted inside the channel. It comes complete with combustion air blower and electrical panel to control and power the burner. Heating capacity from 70 kW to 756 kW.

### VD.PS...



These burners, similar to the previous series, make use of the process air for combustion. Heating capacity from 70 kW to 580 kW.

### VD.ME...



If in the VDPE series, the combustion body is inserted inside the channel of the air to be dried, this series has all its components on the outside of the channel. Only the flame enters into the channel and the combustion fumes. The burner has to be fixed to the channel with a steel flange, supplied. Heating capacity from 70 kW to 756 kW.

### VD.TE...



Burners for vertical dryers, similar to the VD series. However, the combustion body modules have a smaller surface area to ensure a reduction in heat capacity and good heat distribution throughout the air channel of the dryer. Heating capacity from 174 kW to 1750 kW.

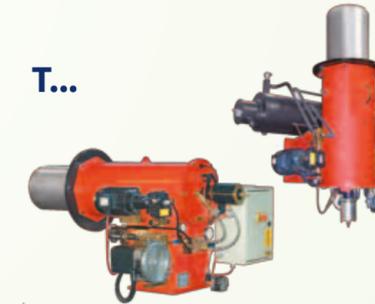
### VD.G...



If the cereal product, which is being stored inside a silo, needs heat conditioning to avoid mould and/or germination, the VDG burner can provide the service of providing the product with the necessary heat. This service can be carried out also thanks to the high prevalence of the blower supplied with the burner. Heating capacity from 70 kW to 756 kW.

*In the case that one cannot use natural gas or LPG, it becomes necessary to use a liquid fuel. In this case Tecflam Srl is able to supply hot air generators complete with combustion chambers, E Series...and matching burner from our TH series for Diesel Oil, T...ND series for Heavy Oil and T...NDE series for Heavy Oil emulsified with water. Also available are our dual fuel burners, which can run on any two fuels, gas or liquid.*

### T...



As mentioned in the presentation, these are industrial burners with the combustion head separate from the combustion air blower. They can operate with all common liquid fuels, even with viscosity up to 80°E at 50°C, and if requested, can also be equipped to function with natural gas and/or LPG. Heating capacity from 1160 kW to 21369 kW.

### E...



This regards combustion chambers designed and manufactured in steel by our sister company, Tecnecoforni Srl. These chambers are for indirect fire, where the combustion fumes, as opposed to the previous series, are expelled into the atmosphere and do not come into contact with the product to be dried. Heating capacity from 580 kW to 6000 kW.