



GREEN FUEL CATALYST

Power Generation Applications

For Reduction of Fuel Consumption and Emissions



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Made in USA

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Patented Fitch® fuel catalyst technology

Application Range

- ◆ Boilers
- ◆ Furnaces
- ◆ Turbines
- ◆ Generators
- ◆ Dryers
- ◆ Kilns
- ◆ Heating and industrial processing
- ◆ Any other application that uses natural gas or propane

Technical Specification

- ◆ Schedule 40 steel for HO-50 to FHD-180
- ◆ Nipple Diameters 3/8", 3/4", 2", 3", 4", 6", 8", 10", and 12"
- ◆ NPT or straight for welding with flange
- ◆ Designed to withstand 350 PSI (24 Bar)
- ◆ Maximum pressure at 300°F (148°C)
- ◆ Small pressure loss: 1,5 PSI (0.10 Bar)
- ◆ Natural gas flow rate: 5 – 32 000 Nm³/h
- ◆ No moving parts, no magnets
- ◆ No electrical hookups
- ◆ No maintenance

Fuel Flow Rate per Catalyst Model

Catalyst Model	Natural gas Nm ³ /h	Propane Liter/h	Catalyst Model	Natural gas Nm ³ /h	Propane Liter/h
HO50-5 NG	134	192	FHD70-10 NG	11232	16153
HO75-5 NG	201	288	FHD80-10 NG	12837	18461
HO100-5 NG	267	385	FHD90-10 NG	14441	20769
FHD5-6 NG	802	1154	FHD100-10 NG	16046	23076
FHD10-6 NG	1605	2308	FHD110-10 NG	17651	25384
FHD15-6 NG	2407	3461	FHD120-10 NG	19255	27692
FHD20-6 NG	3209	4615	FHD130-10 NG	20860	29999
FHD25-6 NG	4012	5769	FHD140-10 NG	22465	32307
FHD30-10 NG	4814	6923	FHD150-10 NG	24069	34614
FHD40-10 NG	6418	9231	FHD160-10 NG	25674	36922
FHD50-10 NG	8023	11538	FHD170-10 NG	28883	41537
FHD60-10 NG	9628	13846	FHD180-10 NG	32092	46153

Installation Samples

◆ RAK Ceramics (United Arab Emirates)

Burners: 280 x Ancora 45 kW

Fuel: Natural Gas

Fuel Savings using FHD5-NG: 5,5%

RAK
CERAMICS



◆ Agrosuper (Chile)

Boiler: 10 t/h steam boiler

Fuel: Natural Gas

Fuel Savings using FHD5-NG: 5 %



◆ Keramika Kanjiža (Serbia)

Application: Sacmi Forni / F M S 250 / 81,9

Application: Sacmi Formi FMD 2230 / 84

Fuel: Natural Gas

Fuel savings using FHD20-NG: 5,3 %



◆ Imerys (Chile)

Application: Expansion oven

Fuel flow: 175 – 195 nm³/h

Reduced hot spot formation

Reduced slag accumulation

Fuel Savings using HO75-NG: 2%



◆ Trayal Korporacija (Serbia)

Burners: Weishaupt Tip RGMS 70/2 A-2M

Power: 21,6 MW

Fuel: Natural Gas

Fuel Savings using FHD30-NG: 6,2 %



◆ Honda (India)

Application: 2 t/h Steam boiler

Fuel: Natural Gas

Fuel Savings: 7,7 %

HONDA

