

HAUCK ASPHALT BURNERS

NovaStar

Ultra low NOx emissions burner designed for aggregate drying applications.

Overview



Utilizing the latest patented lean burn premix technologies, the NovaStar offers design and performance advantages with service accessibility and ease of installation. Available in various sizes the NovaStar is ready to meet your production needs and even the most stringent air quality standards with ultra low nitrogen oxide (NOx) emissions on gaseous fuels without the added expense of flue gas recirculation (FGR) technology. The burner can be easily operated and effectively managed with PLC based control provided by Hauck’s BCS products. The burner produces a compact flame making it suitable for all drum sizes and types. This further reduces emissions by completing all combustion within the short combustion zone eliminating flame quenching from process materials.

Features & Benefits:

- Ultra low NOx emissions of that meet most stringent air quality standards without FGR or water injection on natural gas and vaporized propane
- Standard and long-nose variations available to suit all drum types
- Advanced construction for ease of installation and maintenance
- Precise air flow control via VFD and low horsepower design offers significant energy savings
- Compact modular design suitable for stationary or portable plants
- Sealed-in design for ultra quiet operation and maximum fuel efficiency

Specifications

OVERVIEW

Models

- NS-75, NS-100, NS-125, NS-150

Product Type

- Ultra-low NOx rotary dryer gas burner

COMBUSTION, MIXING & FUEL DYNAMICS

Combustion Principle

- Premixed air/gas with short compact flame

APPLICATIONS & COMPATIBILITY

Primary Application

- Aggregate and asphalt rotary drying



PRESSURE SPECIFICATIONS

Pilot Fuel Pressure

- 15 to 25 psig

IGNITION, FLAME & SUPERVISION SPECIFICATIONS

Flame Adjustability

- Not adjustable (fixed compact flame)

Flame Type

- Short, compact, high-intensity flame

PROCESSING & PERFORMANCE METRICS

Maximum Capacity

- Up to ~150 MMBTU/hr (model dependent)

NOx Emissions

- Ultra-low NOx

ACTUATION, VALVE & MOTION CONTROL SPECIFICATIONS

Supported Fuels

- Natural Gas, Gaseous Propane

PRODUCT OVERVIEW & CLASSIFICATION

Product Series

- NS

CONTROL, LOGIC & FUNCTIONAL BEHAVIOR

Control Panel

- Hauck BCS 6000

Control Type

- PLC-based with touchscreen HMI

PRODUCT DESIGN & CONFIGURATION

Burner Design

- Lean premix gas burner

STANDARDS & CERTIFICATIONS

Approvals

- Designed to meet NFPA requirements

Filters

▼ CATEGORY

- ☒ Spare Part

▼ TYPE

- ☒ Cone
- ☒ Attenuator Unit
- ☒ Flange
- ☒ Heatshield Assembly
- ☒ Burner Plate
- ☒ Cone Assembly





Search

Part Number	HK405256
Description	TB SUB ASSY, NS100 FRNT FLM
Category	Spare Part
Type	Tube Sub-Assembly
	Order Online

Part Number	HK405258
Description	CONE, NS100 FRNT FLM TB
Category	Spare Part
Type	Cone
	Order Online

Part Number	HK405259
Description	CONE ASSY, NS100 FLM AIR HSG
Category	Spare Part
Type	Cone Assembly
	Order Online

Part Number	HK405261
Description	CONE, NS75&100 REAR
Category	Spare Part
Type	Cone
	Order Online

Part Number	HK405263
Description	CONE, NS75&100 FLM
Category	Spare Part
Type	Cone
	Order Online

Part Number	HK405265
Description	NZL ASSY, NS75&100 BRNR
Category	Spare Part
Type	Nozzle Assembly
	Order Online

Part Number	HK405636
Description	CONE, NS75 FRNT FLM TB
Category	Spare Part
Type	Cone
	Order Online

Part Number	HK405639
Description	CONE, NS75 REAR
Category	Spare Part
Type	Cone
	Order Online

Part Number	HK405641
Description	CONE, NS75 FLM
Category	Spare Part
Type	Cone
	Order Online



Part Number	HK405887
Description	HEATSHIELD ASSY, NS75
Category	Spare Part
Type	Heatshield Assembly
	Order Online

Rows

10 ▾

Product Number



Please sign in to view part numbers available for purchase based on your account

[Sign In](#)

HK405256
TB SUB ASSY,NS100 FRNT FLM

HK405256
TB SUB ASSY,NS100 FRNT FLM

HK405258
CONE,NS100 FRNT FLM TB

HK405258
CONE,NS100 FRNT FLM TB

HK405259
CONE ASSY,NS100 FLM AIR HSG

HK405259
CONE ASSY,NS100 FLM AIR HSG

HK405261
CONE,NS75&100 REAR

HK405261
CONE,NS75&100 REAR

HK405263
CONE,NS75&100 FLM

HK405263
CONE,NS75&100 FLM

HK405265
NZL ASSY,NS75&100 BRNR

HK405265
NZL ASSY,NS75&100 BRNR

HK405636
CONE,NS75 FRNT FLM TB

HK405636
CONE,NS75 FRNT FLM TB



HK405639

CONE,NS75 REAR

HK405639

CONE,NS75 REAR

HK405641

CONE,NS75 FLM

HK405641

CONE,NS75 FLM

HK405887

HEATSHIELD ASSY,NS75

HK405887

HEATSHIELD ASSY,NS75