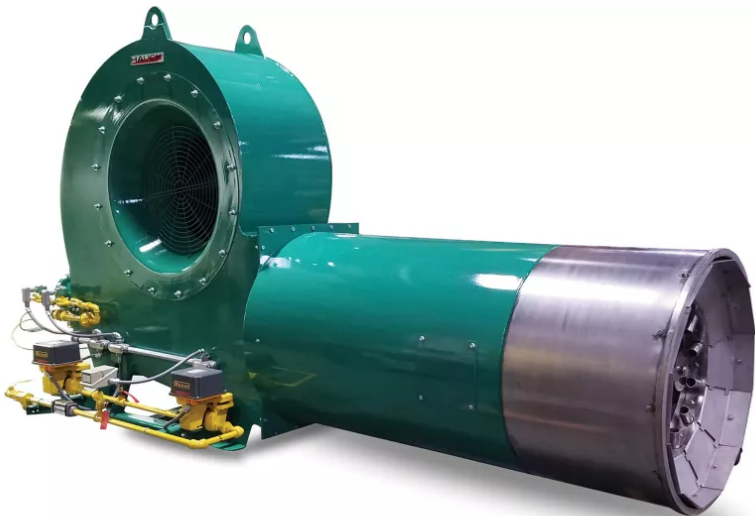


HAUCK ASPHALT BURNERS

MegaStar

Packaged, High Efficiency, Multi-Fuel Burner for Aggregate Drying Applications. The MegaStar is designed to be easy to light, reliable, and efficient.

Overview



The MegaStar burner supports a wide variety of liquid and gaseous fuels offering flexibility for optimizing fuel costs. Low pressure atomization is used for light fuel oil or LP with high pressure compressed air atomization available for heavy fuel oils or high elevation installations. Emissions of NOX, CO and VOCs are minimized with proven and effective technologies. The burner's wide range of flame shaping ability allows the flame to be adapted to specific process requirements. All combustion is completed within the recommended combustion zone, keeping emissions low by eliminating flame quenching from process materials. The MegaStar employs variable frequency drive (VFD) technology for precise air flow control over its entire operating range. Combining precise air flow control with real time fuel flow measurement results in maximum combustion efficiency and cost savings. The use of this VFD technology offers energy savings through reduced electricity consumption. The burner package is compact and easy to install, yet remains accessible and simple to service. The number of moving parts has been reduced and linkages have been eliminated to make the burner easy to maintain and adjust. The burner, paired with a Hauck BCS7000 panel, provides the ultimate solution for flame management, process control, and efficiency. Available in sizes ranging from a nominal 25 to 150 million Btu/h (7,327 to 43,960 kW), for applications up to 1500 °F (815 °C). Custom lengths are also available for warm-mix applications.

Features & Benefits:

- Energy savings
- Low NOX emissions
- Low motor starting current reduces utility demand charges
- Ideal for sand drying applications
- Reduction of thermal and mechanical stresses on the motor during starts
- Standard and longnose versions available
- Simple installation and set-up
- High power factor
- Lower KVA

Specifications

OVERVIEW

Models

- MS-25, MS-50, MS-75, MS-100, MS-125, MS-150

Product Type

- Rotary dryer burner

APPLICATIONS & COMPATIBILITY

Primary Application

- Rotary drying systems



PRESSURE SPECIFICATIONS

Main Air Pressure

- Model dependent (up to ~18.5 in. wc)

PROCESSING & PERFORMANCE METRICS

Maximum Capacity

- Gas: Up to ~166 MMBTU/hr (45.2 MW), model dependent
- Oil: Up to ~153 MMBTU/hr (41.5 MW), model dependent

ACTUATION, VALVE & MOTION CONTROL SPECIFICATIONS

Supported Fuels

- Natural Gas, Vaporous Propane, Liquid Propane (LP), Light Fuel Oil (No. 2), Heavy Fuel Oil (No. 4/5/6), Waste/Recycled Oil

PRODUCT OVERVIEW & CLASSIFICATION

Product Series

- MS (MS-25 to MS-150)

INSTALLATION & MOUNTING SPECIFICATIONS

Mounting Types

- Drum centerline, same pitch as drum

AIR & COMBUSTION AIR SPECIFICATIONS

Main Air Flow

- Model dependent (up to ~1,960,000 scfh)

PRODUCT DESIGN & CONFIGURATION

Burner Design

- Total air aggregate drying burner

STANDARDS & CERTIFICATIONS

Approvals

- Designed for NFPA-compliant fuel trains

Filters

▼ CATEGORY

☒ Spare Part

☒ Base Part

▼ TYPE

☒ Insert Assembly

☒ Multi-Fuel Burner

☒ Cone

☒ Plate Assembly

☒ Attenuator Unit Assembly

☒ Bracket

☒ Impeller/Airfoil Solid Nose Blade

Search



Part Number	HK303341
Description	IMPLR, AIRFOIL SLD NOSE BLD, CW CHICAGO 22
Category	Spare Part
Type	Impeller/Airfoil Solid Nose Blade Order Online
Part Number	HK303342
Description	CONE, MS 50 CHICAGO 2214 W/SCREEN
Category	Spare Part
Type	Cone Order Online
Part Number	HK303637
Description	CONE, MS 125 & 150 INLT CHICAGO 4014 D190
Category	Spare Part
Type	Cone Order Online
Part Number	HK303638
Description	CONE, MS 75 & 100 INLT CHICAGO 3612 D1902
Category	Spare Part
Type	Cone Order Online
Part Number	HK402649X008-001
Description	KIT ASSY, MS50 HVY OIL INS HTR 8
Category	Spare Part
Type	Insert Assembly Order Online
Part Number	HK406788
Description	PLT ASSY, MS50 HEATSHIELD
Category	Spare Part
Type	Plate Assembly Order Online
Part Number	HK406802
Description	INS, OIL, MS, MS50
Category	Spare Part
Type	Oil Insert Assembly Order Online
Part Number	HK406803
Description	TEE ASSY, MS50 OIL INS
Category	Spare Part
Type	Tee Assembly Order Online
Part Number	HK406804
Description	INS, COMP AIR/OIL, MS, MS50
Category	Spare Part
Type	Compressor Air/Oil Insert Assembly Order Online
Part Number	HK406834
Description	ATTENUATOR UNIT ASSY, MS50 SOUND
Category	Spare Part
Type	Attenuator Unit Assembly Order Online



Product Number



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IMPLR,AIRFOIL SLD NOSE BLD,CW CHICAGO 22

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