

HAUCK ASPHALT BURNERS

StarJet

Open-Fired Multi-Fuel Burner for the aggregate drying industry

Overview



The StarJet burner is designed to recirculate the hot gases, providing flame stability over its wide operating range. This eliminates the need for refractory ignition tile and combustion chamber. The StarJet can have the short, bushy flame for drum mixing or a long flame depending on the application. The burner’s wide turndown is particularly useful when lower production rates are desired, such as when making cold patch material.

Features & Benefits:

- No ignition tile
- No combustion chamber required
- Convenient flame shaping
- Wide turndown
- Compressed air option available
- Fuels fired:
 - Heavy Fuel Oil
 - Light Fuel Oil
 - Natural Gas
 - Liquid Propane (LP)
 - Landfill Gas

Specifications

OVERVIEW

Models

- SJ075 to SJ980

Product Type

- Open-fired rotary dryer burner

PRESSURE SPECIFICATIONS

Blower Pressure Options

- 24 osig or 36 osig

FUEL, GAS & MEDIA SPECIFICATIONS

Multi-Fuel Operation



- Any two fuels in combination (except liquid LP and fuel oil together)

AIR & COMBUSTION AIR SPECIFICATIONS

Air Entry Orientation

- 45 deg air entry at 3, 6, 9, or 12 o'clock

COMBUSTION, MIXING & FUEL DYNAMICS

Combustion Principle

- Internal hot-gas recirculation for flame stability

PROCESSING & PERFORMANCE METRICS

Turndown Capability

- Wide turndown ratio (useful for low production rates)

Maximum Capacity

- Approximately 12 to 200 MMBTU/hr (model dependent)

APPLICATIONS & COMPATIBILITY

Primary Application

- Rotary drying (asphalt production)

ACTUATION, VALVE & MOTION CONTROL SPECIFICATIONS

Supported Fuels

- Heavy fuel oil, light fuel oil, natural gas, liquid propane (LP), landfill gas

PRODUCT OVERVIEW & CLASSIFICATION

Product Series

- SJ/SJC

PRODUCT DESIGN & CONFIGURATION

Burner Design

- Open-fired, no combustion chamber required

IGNITION, FLAME & SUPERVISION SPECIFICATIONS

Flame Type

- High-intensity, rapid heat release

STANDARDS & CERTIFICATIONS

Approvals

- NFPA-compliant fuel manifolds

Filters

▼ CATEGORY

- ☒ Spare Part
- ☒ Base Part

▼ TYPE

- ☒ Nozzle Assembly
- ☒ Manifold Assembly
- ☒ Manifold



- ☒ Ring
- ☒ Flame Holder Assembly
- ☒ Insert Assembly
- ☒ Sleeve Assembly

 Search

Part Number	101029648
Description	MNFLD ASSY, GAS, SJ200 260, 9 & 12 O CLOCK
Category	Spare Part
Type	Manifold Assembly
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Part Number	101029649
Description	MNFLD ASSY, GAS, SJ200 260, 3 & 6 O CLOCK A
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Part Number	101029713
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Part Number	101031090
Description	MNFLD, LP, SJ4520 & 4580, 3 AND 6 OCLOCK, W
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101031090

MNFLD,LPS,J4520 & 4580,3 AND 6 OCLOCK,W

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