

IMMERSION TUBE BURNERS

ImmersoJet

Indirect Fired Burner for Immersion tube applications. It features the highest heat transfer rate of any immersion burner available.

Overview



The Eclipse ImmersoJet (IJ) is a nozzle-mix, tube-firing burner that is designed to fire at high velocities through a small diameter immersion tube in immersion heating tanks. The combustion gases from the burner scrub the inner tube surfaces to produce the highest heat transfer rate of any immersion burner available. It provides faster heat-up times than any other immersion burner. The standard burner includes a packaged blower, actuator control motor, integral butterfly valve, ratio regulator, burner body, combustion chamber, nozzle rear cover, spark and flame rods.

Features & Benefits:

- Produces the industry’s highest heat capacities and efficiencies
- Tube requirements save valuable space inside the tank
- Comes mounted with a reliable low or high pressure blower for ease of installation
- Quickly transfers heat to the immersion tube, resulting in lower burner surface temperature
- Provides faster heat-up times than any other immersion burner
- Combustion chamber is outside the tank, taking up less space and providing more uniform heat
- Unique nozzle design ensures quiet operation

More Information:

- [Technical Information for IJ](#)
- [Find spare parts in PartDetective for ImmersoJet](#)

Specifications

OVERVIEW

Models

- IJ-2, IJ-3, IJ-4, IJ-6, IJ-8

Product Type

- ImmersoJet® IJ Immersion Tube Burners

Burner Type

- Nozzle-mix, tube-firing burner

APPLICATIONS & COMPATIBILITY

Typical Applications



- Spray wash tanks; dip tanks; storage tanks (e.g., fire sprinkler systems)

Primary Application

- High-capacity firing through small-diameter immersion tubes

COMBUSTION, MIXING & FUEL DYNAMICS

Combustion Principle

- High-velocity combustion gases scrub inner tube surface for high heat transfer

IGNITION, FLAME & SUPERVISION SPECIFICATIONS

Flame Detection

- Flame rod or UV scanner

PROCESSING & PERFORMANCE METRICS

CO Emissions

- < 100 ppm

Efficiency

- System efficiencies in excess of 80 % achievable with proper tube design

FUEL, GAS & MEDIA SPECIFICATIONS

Fuel Type

- Natural Gas, Propane, Butane (standard configuration)

STANDARDS & CERTIFICATIONS

Approvals

- Meets Eurasian Customs Union technical specifications

Filters

▼ CATEGORY

☒ Spare Part

☒ Base Part

▼ TYPE

☒ Burner Kit

☒ Gasket

☒ Immersion Tube Burner

☒ Nozzle

☒ Burner Body

☒ Combustor

☒ Inlet Block

🔍 Search

Part Number	10053530-1
Description	KIT, LIT, IJ, IJ002, ENG
Category	Spare Part
Type	Burner Kit
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Part Number	10053530-1-D
Description	10053530 1 KIT, LIT, IJ VRSN 2, IJ 2, ENG,
Category	Spare Part
Type	Burner Kit
	Order Online
Part Number	10053530-2
Description	KIT, LIT, IJ, IJ003, ENG
Category	Spare Part
Type	Burner Kit
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Part Number	10053530-2-D
Description	KIT, LIT, IJ VRSN 2, IJ 3, ENG,
Category	Spare Part
Type	Burner Kit
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Part Number	10053530-3
Description	KIT, LIT, IJ, IJ004, ENG
Category	Spare Part
Type	Burner Kit
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Part Number	10053530-3-D
Description	KIT, LIT, IJ VRSN 2, IJ 4, ENG,
Category	Spare Part
Type	Burner Kit
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Part Number	10053530-4
Description	KIT, LIT, IJ, IJ006, ENG
Category	Spare Part
Type	Burner Kit
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Part Number	10053530-4-D
Description	KIT, LIT, IJ VRSN 2, IJ 6, ENG,
Category	Spare Part
Type	Burner Kit
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Part Number	10053530-5
Description	KIT, LIT, IJ, IJ008, ENG
Category	Spare Part
Type	Burner Kit
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Part Number	10053530-5-D
Description	KIT, LIT, IJ VRSN 2, IJ 8, ENG,
Category	Spare Part
Type	Burner Kit
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Product Number



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