

# Fury™ Burner

A robust build and simple, accessible construction makes the Astec Fury burner a great cost-effective choice.

Compared to other open-fired designs, the Fury burner achieves better emissions and fuel efficiency by putting 50% more combustion air through the burner.

## EFFICIENCY

Rapidly swirling, high-energy air is the key to the Fury burner's efficient combustion. The swirling air and flame are created by the fixed internal spin vanes, high-pressure blower, and high velocity nose.

## COMPACT FLAME SHAPE

The Fury burner cleanly and efficiently burns oil or gas. Its compact flame makes it compatible with virtually all drum designs without complicated drum modifications.

## BETTER EMISSIONS

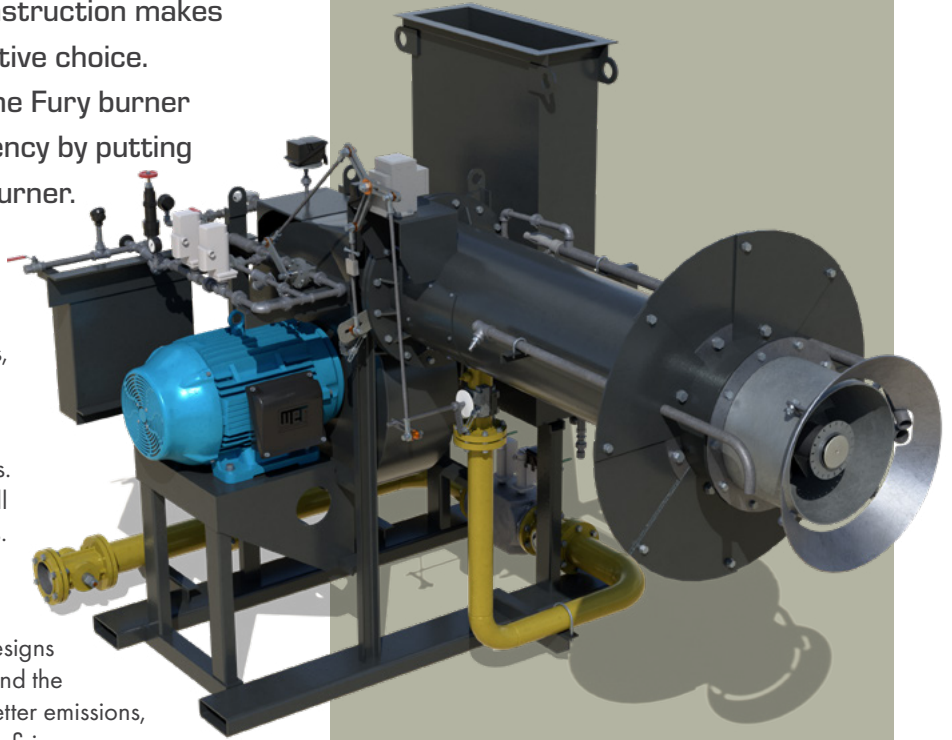
The Astec Fury burner is designed to put 50% more combustion air through the burner than competitive designs with the balance of the combustion air drafted in around the burner nose. This means higher combustion quality, better emissions, and higher combustion efficiency throughout the entire firing range.

## NO COMPRESSED AIR

The Astec designed pre-filming fuel nozzle uses the combustion air from the high-pressure blower to atomize fuel. This eliminates the need for compressed air at the burner, and helps increase nozzle life.

## RELIABILITY

For the most reliable oil light-off, even under cold and harsh conditions, the Fury burner is supplied with Astec's exclusive heat tracing and insulation system on heavy oil burners.



## BURNER FIRING SPECS

MODEL NUMBER	F3-25	F3-35	F3-50	F3-75	F3-100
RATED CAPACITY MILLIONS OF BTU/HR (WITH 20% XSA)	25	35	50	75	100
NOMINAL AGGREGATE DRYING CAPACITY TPH (AT 5% MOISTURE)	100	140	200	300	400
BURNER AIR CAPACITY SCFH (MILLIONS)	0.18	0.25	.36	.54	.72
INTEGRAL BLOWER HORSEPOWER	30	40	50	75	100

Above conditions are standard at 75° F at sea level. See detailed capacity, performance sheets for each size for more information and specific flows and pressures. Nominal aggregate drying capacity based on typical exhaust stack temperatures of 240° F, 0.2 BTU/Lbm F specific heat in the aggregate. Burner maximum design capacity is 100% of rated capacity. Advertised numbers are achievable in some conditions, but not guaranteed.



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