

ASTEC WHISPER JET® BURNER

The Astec Whisper Jet burner delivers unmatched reliability and hassle-free maintenance. The Whisper Jet burner cleanly and efficiently burns oil, natural gas, or propane and its compact flame makes it compatible with virtually all drum designs without complicated adjustments.

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ASTEC WHISPER JET® BURNER

Trouble-Free Maintenance and Operation

Maintenance and downtime are virtually eliminated by the careful design of the Whisper Jet burner. The Whisper Jet burner uses the highest quality, field-proven components. Each burner is also fully tested before leaving the Astec burner factory to make start-up at your facility as fast as possible. For the most reliable oil light-off, even under cold and harsh conditions, the Whisper Jet burner is supplied with Astec's exclusive heating and insulation system on all heavy oil burners.

Low Combustion and Noise Emissions

The Whisper Jet burner uses unique patented technology to burn clean and efficiently. True to its name, the Whisper Jet burner is designed and equipped to reduce burner noise over competitive burners.

Efficient Combustion

Rapidly swirling high energy air is the key to the Whisper Jet burner's efficient combustion. The swirling air and flame are created by the fixed internal spin vanes and the patented castellated nose, ring, and nozzle design.



The compact flame shape eliminates drum overheating and does not require complicated flame shape adjustments for best combustion efficiency.



The heavy-duty main fan damper is constructed to provide years of trouble-free operation.



A patented design promotes more rapid mixing and combustion.



BURNER FIRING SPECS

MODEL NUMBER	WJ-35	WJ-50	WJ-75	WJ-100	WJ-125	WJ-150
RATED CAPACITY MILLIONS OF BTU/HR (WITH 20% XSA)	35	50	75	100	125	150
NOMINAL AGGREGATE DRYING CAPACITY TPH (AT 5% MOISTURE)	140	200	300	400	500	600
BURNER AIR CAPACITY SCFH (MILLIONS)	0.46	0.65	1.00	1.30	1.60	2.00
INTEGRAL BLOWER HORSEPOWER	40	60	75	100	125	150
OIL ATOMIZING AIR REQUIREMENT SCF (LOW FIRE / HIGH FIRE)	55 / 42	80 / 55	90 / 55	90 / 55	120 / 70	140 / 90

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 110% of rated capacity. Advertised numbers are achievable in some conditions, but not guaranteed.