

# Twister™ Series Asphalt Plant Burners

## Multi-Fuel Burners for the Asphalt Industry



Open-Fired Low NOx Burner with Automatic Flame Shaping  
For Firing Rates From 25,000,000 to 150,000,000 Btu/Hr

## Benefits Of The Twister Multi-Fuel Burner



The Webster Combustion Twister series is an open-fired register-style burner that allows the user to shape the flame by controlling the register vanes to optimally fit their dryer and combustion zone. This flame shaping capability means the flame will not impinge on the material, and CO can be maintained at lower levels. The Twister register can be controlled using either a servo or linkage to shape the flame quickly and easily during start-up, or when mix changes may require a change in setup.

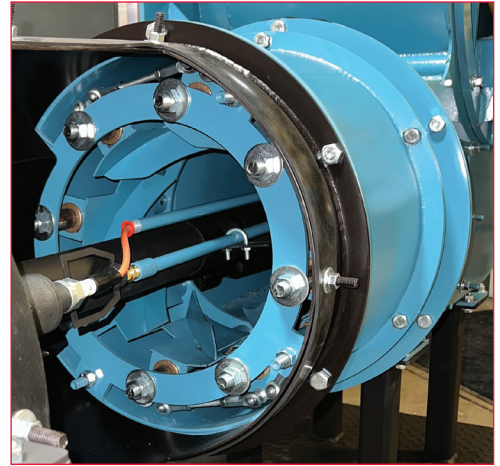
The Webster Combustion Twister series open-fired burner operates with low motor HP and an integrally mounted fan, meaning users will enjoy a more compact burner system. Optionally supplied VFDs and control systems are available to maximize turndown capabilities, increase fuel savings and reduce total energy usage.

The Twister series asphalt plant burners are capable of burning a wide range of fuels, either separately or simultaneously, including Natural, LP, and low BTU gases, all commercially available fuel oils, and qualified waste oils.

**The Webster Combustion Twister is available in a wide variety of configurations. Webster's engineering team will assist you in designing the best arrangement for your specific application. Flexibility in design is a hallmark of Webster products and these asphalt plant burners can be applied to a wide variety of applications.**

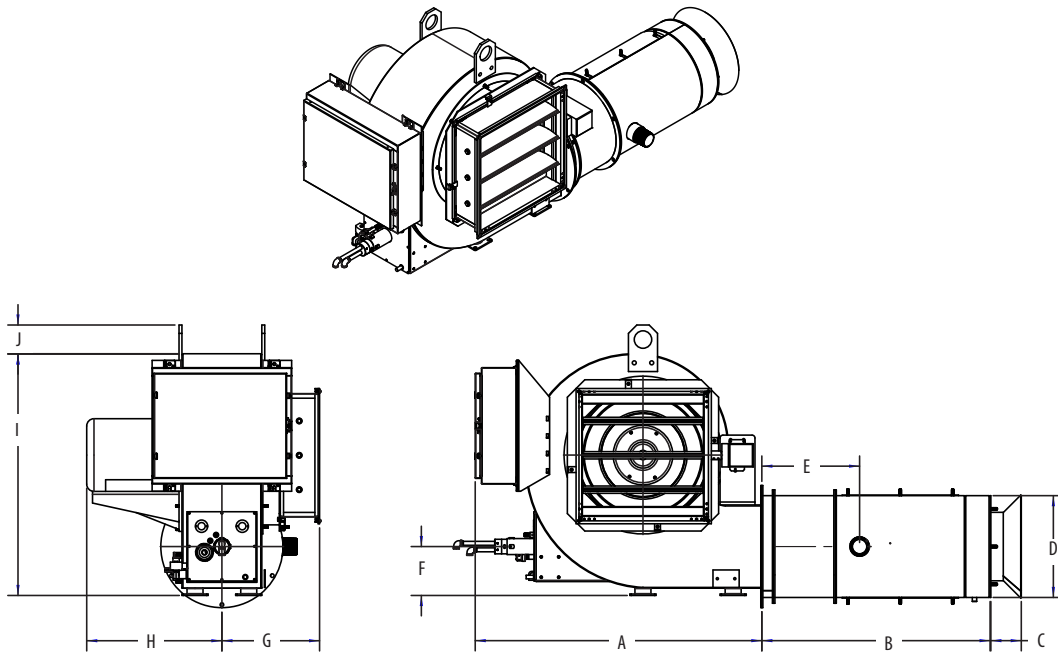
## Twister Series Burner Features

- Excellent flame stability for reliable performance
- Fully modulating register for automatic flame shaping
- Fire multiple fuels
  - Natural and LP Gas
  - No. 2 through No. 6 Oil
  - Waste Oil
- Integral combustion fan
- Turndowns up to 8:1
- Proven ignition system with extremely stable pilot
- High efficiency combustion fans to optimize energy savings
- Optional VFD for precise control
- Compressed air atomization for oil firing
- The Twister can be controlled by the ACS-100 Asphalt Plant Burner Control System
- Works on Counterflow Asphalt Plants or Drum Mix Asphalt Plants (for hot mix batch flow)
- Also suitable for many rotary drying applications (sand, limestone, gravel, minerals, etc).



**Webster Combustion has the best lead times in the industry. For assistance in selecting the proper configuration or to obtain a quote, please contact us or your local Webster aggregate products representative.**

# Twister Series Typical Dimensions and Ratings



BURNER MODEL	MOTOR HP	FIRING RATE MBH	DIMENSIONS-INCHES									
			A	B	C	D	E	F	G	H	I	J
TW-25	15	25,000	49.3	40.0	5.5	15.0	16.8	7.5	16.8	23.2	41.5	4.9
TW-50	30	50,000	50.5	40.0	5.5	19.5	16.8	9.8	17.3	30.7	41.5	4.9
TW-75	40	75,000	54.6	40.0	5.5	21.8	16.8	10.9	19.8	33.2	41.5	4.9
TW-100	60	100,000	55.9	40.0	5.5	24.0	16.8	12.0	19.8	37.4	41.5	4.9
TW-125	75	125,000	58.8	40.0	5.5	25.5	16.8	12.8	20.8	38.6	44.1	4.9
TW-150	100	150,000	61.5	40.0	5.5	27.5	16.8	13.8	20.8	41.7	46.8	4.9

All dimensions shown are for reference only. Webster can change dimensions at any time without notice.



**The Better Burner.**

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