

**Flatline** is the new age flat characteristic blower from Wesman. Precision design and engineering is written into every angle and curve of this latest series of premium centrifugal blowers. Their design is the result of months of development and testing in Wesman's own R&D facilities.

### ■ WHY USE FLATLINE?

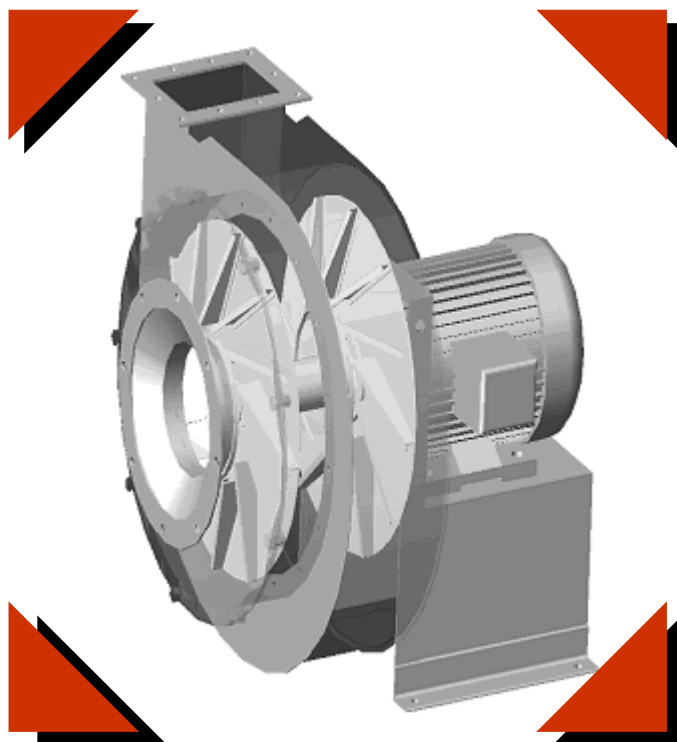
Fuel oils require atomizing air at constant pressure for efficient combustion to ensure complete burning of fuel. In conventional blowers air pressure decreases with increasing demand for air volume, leading to incomplete combustion. Unburnt fuel and products of incomplete combustion escape into the atmosphere, leading to monetary losses from wastage as well as problems with pollution control legislation.

### ■ BENEFITS OF FLATLINE

Flatline blowers deliver the same uniform pressure over the full range of air volumes, compared to conventional blowers which have drooping curve characteristics. Burners can thus be operated between wider limits of fuel throughput without compromising on pressure requirements. This ensures optimum atomization, lower pollution, and of course higher profits from complete and more efficient combustion.

- Uniform pressure over entire air flow range
- Accurate ratio control due to flat pressure characteristic
- Low noise for environmentally friendly operation
- Fuel savings due to uniform atomization pressure
- Low vibration design for long bearing life
- Higher burner turndown ratio due to higher operating range
- Low maintenance and ease of servicing

# FLATLINE FANS AND BLOWERS



### ORDERING INSTRUCTIONS

- Blower model from our range
- Motor volts, phase, frequency and type (TEFC or SPDP)
- Drive arrangement (direct, v-belt or coupling)
- Discharge direction from overleaf (non-standard directions also available)

### OPTIONAL ACCESSORIES

- V-belts ■ Pulleys ■ Belt guards
- Motor slide rails for v-belt drive
- Inlet air damper ■ Outlet air damper
- Inlet air filter ■ Anti-vibration pads
- Access doors ■ Transition pieces



**WESMAN THERMAL ENGINEERING PROCESSES PVT LTD**

WESMAN CENTER, 8 MAYFAIR ROAD KOLKATA 700019 ■ TEL: (33) 22816406, 22405320 ■ FAX: (33) 22816402, 22478050 ■ EMAIL: combustion@wesman.com ■ INTERNET: www.wesman.com ■ REGIONAL OFFICES: MUMBAI (22) 28509521 ■ NEW DELHI (11) 26431723 ■ CHENNAI (44) 28263581 ■ BANGALORE (80) 22225760 ■ PUNE (20) 27657276 ■ AHMEDABAD (79) 26449391 ■ HYDERABAD (40) 55275779

▼ CLOCKWISE DIRECTION OF IMPELLER ▼



1 LEFT BOTTOM HORIZONTAL



2 LEFT VERTICAL UP



3 RIGHT TOP HORIZONTAL



4 RIGHT VERTICAL DOWN

▼ COUNTER-CLOCKWISE DIRECTION OF IMPELLER ▼



5 RIGHT BOTTOM HORIZONTAL



6 RIGHT VERTICAL UP



7 LEFT TOP HORIZONTAL



8 LEFT VERTICAL DOWN

## FAN PERFORMANCE CURVE

