

COMBUSTION BLOWERS



WESMAN

COMBUSTION EQUIPMENT

FLATLINE

FLATLINE is the new flat characteristic blower from Wesman. Precision design and engineering is the hallmark of this series of premium centrifugal blowers.

- Uniform pressure over entire air flow range
- Accurate ratio control due to flat pressure
- Fuel savings due to uniform atomization pressure
- Low vibration design for longer bearing life
- Higher burner turndown ratio possible

WHY USE FLATLINE

Fuel oils require atomizing air at constant pressure to ensure complete and efficient combustion. In conventional blowers, air pressure decreases with demand for air volume, which results in incomplete combustion. This translates into monetary losses from wastage as well as problems with pollution control.

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



BLOWER RANGE

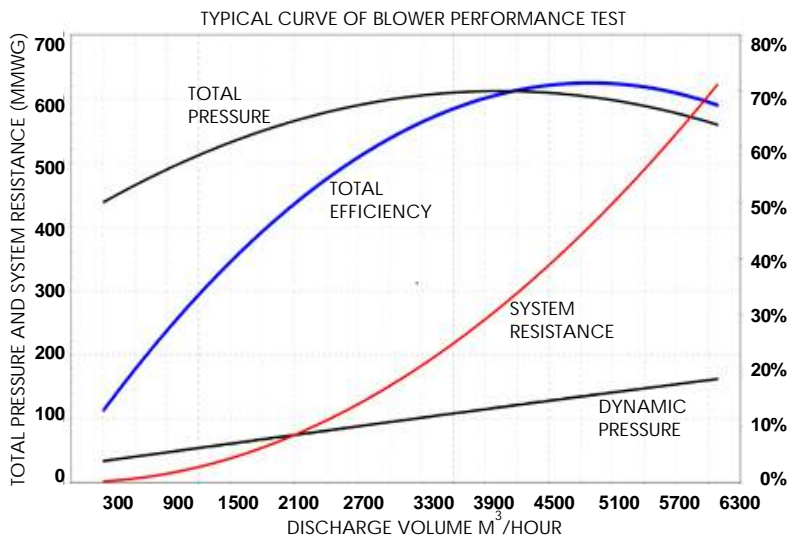
Standard blowers are available from 2 HP to 100 HP, with pressure from 50 mmwg to 1200 mmwg and air volume up to 13500 m³/min. Wesman also designs special fans to customer specifications up to 335 HP and 2000 mmwg, and high temperature fans up to 650°C with stainless steel construction. Customized designs with angular outlet directions are also available.

ORDERING INSTRUCTIONS

- Total or static pressure at outlet in mmwg
- Air volume at outlet in cfm or m³/hour
- Inlet air temperature
- Motor voltage, phase, frequency and type (TEFC or SPDP)
- Drive arrangement (direct, v-belt or coupling)
- Discharge outlet direction

OPTIONAL ACCESSORIES

- Inlet air filter
- Anti-vibration pad
- Inlet air damper
- Outlet air damper
- Access door
- Transition piece
- Silencer
- Expansion joint (metallic or non-metallic)



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