FORCED DRAFT FANS

Woodcock & Wilson Ltd provides bespoke fan solutions tailored to a wide range of industries and applications. Our engineers understand the demands of both standalone FD systems and integrated setups working in conjunction with ID Fans.

WHY CHOOSE WOODCOCK & WILSON LTD?

CUSTOM SOLUTIONS FOR EVERY APPLICATION

Our in-house design capability ensures each FD Fan is optimised for its specific role—whether that's delivering precise airflows to a burner system or helping to balance pressure in a complex process.

PERFORMANCE YOU CAN RELY ON

Our FD Fans are built to perform consistently under varying load conditions. Thanks to advanced impeller designs and robust construction, we help clients reduce energy consumption while maintaining stable system performance.

API-COMPLIANT OPTIONS

We offer FD Fans built to meet API 673 or API 560 Appendix E standards. These units are suitable for high-power applications typically above 300 kW and include features like vibration monitoring, redundant bearing systems, and enhanced sealing.

INTEGRATED FAN SYSTEMS: FD AND ID WORKING TOGETHER

FD and ID Fans often operate as a matched pair to create an optimised pressure profile across a plant. For example, in Energy from Waste applications, an FD Fan provides combustion air while the ID Fan maintains slight negative pressure in the furnace, helping to prevent leaks and ensuring safe operation.

Precise control of both fans—through speed variation or pre-swirl devices—enables adjustment of the system "null point" (where internal pressure is zero), ensuring optimal process stability and safety.

CONCLUSION

FD Fans are vital for supplying clean, controlled airflow across a range of industrial systems. When performance, reliability, and customisation matter, Woodcock & Wilson Ltd delivers. Our bespoke design, engineering expertise, and commitment to quality make us the preferred partner for FD Fan solutions worldwide.

OUR FORCED DRAFT FEATURES INCLUDE:

- High-strength and 300-grade stainless steel
- Duplex stainless steel options
- Custom coatings and marine finishes
- Inlet silencers and weather cowls
- High-level intakes
- Precision bearing assemblies
- Segmented fan casings
- Multiple control strategies
- Ex certified designs

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