

Vokes Side Channel Vacuum Pump / Regeneration Blower



Stock No	MF941
Manufacturer	Vokes
Model	SAP 710
Year of Manufacture	2004
Serial	1024830154
Condition	Seen working by RSW, Excellent Condition
Approx Duty CFM / M ³ /Hr	740-860M ³ /Hr
Filter Area ft ² / m ²	Application Dependent
Other Info	7.5kW : 210 - 230mbar
Location	Our Central Warehouse, Aldridge, UK
External Dimensions (WxDxH mm)	960 x 550 x 700mm

Description

Side channel vacuum pumps (also called regenerative blowers) are high-efficiency, oil-free devices that move large volumes of air for industrial tasks like CNC routing and wastewater aeration. Manufactured for durability, these virtually maintenance-free pumps use a contact-free impeller to compress air without contaminating it.

How They Work

- The Impeller: A single spinning wheel acts like a fan inside a circular casing.



- The Channel: As the wheel spins, it throws air to the outside edges where a "side channel" repeatedly speeds up the air.
- The Result: This continuous spinning creates powerful, smooth suction(vacuum) or pressure.

Top Uses

- CNC Machining: Used to hold wooden or plastic sheets firmly in place on the cutting table.
- Water Treatment: Pumps oxygen into water for fish tanks and sewage treatment plants.
- Packaging: Helps move or hold light materials during factory assembly.

Common Features

- Oil-free: They run completely dry. You do not have to add oil.
- Long life: Because there are no rubbing parts, they can run for over 20,000 hours before needing service.
- Energy saving: Many use premium ATB electric motors to keep power bills low.

Bore Ø = 100mm. (Input and Output)

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.