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QCX[®] PTB176 BOOSTER BLOWER

The Booster Blower has an air-cooled double-stage side channel blower that generates additional air flow needed for pneumatic tube transport systems. It is designed to support the standard transport blower in the long pneumatic transport tube systems.

The Booster Blower uses a pair of air flaps and an air reverse valve to control the air flow in the corresponding sections of the pneumatic tube transport system. When added, it extends the system by up to another 1,350m.

ADVANTAGES

The Booster Blower offers several advantages that make it a reliable and efficient tool for transporting samples:

- **Rugged:** The Booster Blower is built to withstand common transport problems like damage from dirt particles or the use of the wrong media. Its robust construction ensures that you can rely on it to perform even in challenging environments.
- Efficient: With the Booster Blower, you can save on cost and time. It runs on electricity, which is a more affordable alternative to other power sources. The blower is cleverly designed to enable fast performance and quick switches in airflow direction. It helps to cover wider distance where the samples can be delivered from and make the sample transport faster and more effective.
- **Long-lasting:** The Booster Blower has a reliable mechanical design that ensures it will continue to perform at its best over time. By following regular maintenance procedures, you can extend the lifespan of your Booster Blower and get the most out of your investment.

FOR A FAST PERFORMANCE AND LONG TRANSPORT DISTANCES

How it works

The Booster Blower is installed in the middle of the long transport line. It uses a pair of air flaps, an air reverse valve and a transport tube contact to automatically redirect the air flow once the carrier has passed it. This way it supports the main transport blower with suction in the first phase of the sample carrier transport and compression in the second.

For a transport lines longer than range of the main and booster blower, more additional booster blowers might be installed along the transport line.

Specification

Extension of the pneumatic piping	Up to 1,350 m
Volume flow rate	370 m ^{3/} h (50 Hz)
	440 m ^{3⁄} h (60 Hz)
Pressure difference	-420 / 500 mbar (50 Hz)
(negative/positive)	-420 / 470 mbar (60 Hz)
Power supply	3 x 380 - 500 V; 50/60 Hz;
	7.5 / 9.0 kW
Compressed air supply	0.6 - 1.0 MPa
	(Quality 2.4.2 as per ISO 8573-1)
Operating conditions	Temperature: 5 to 35°C,
	Humidity: 20 – 80 %,
	non-condensing
Weight	Approx. 300 kg
Dimensions (W x D x H)	870 x 940 x 1,325 mm

