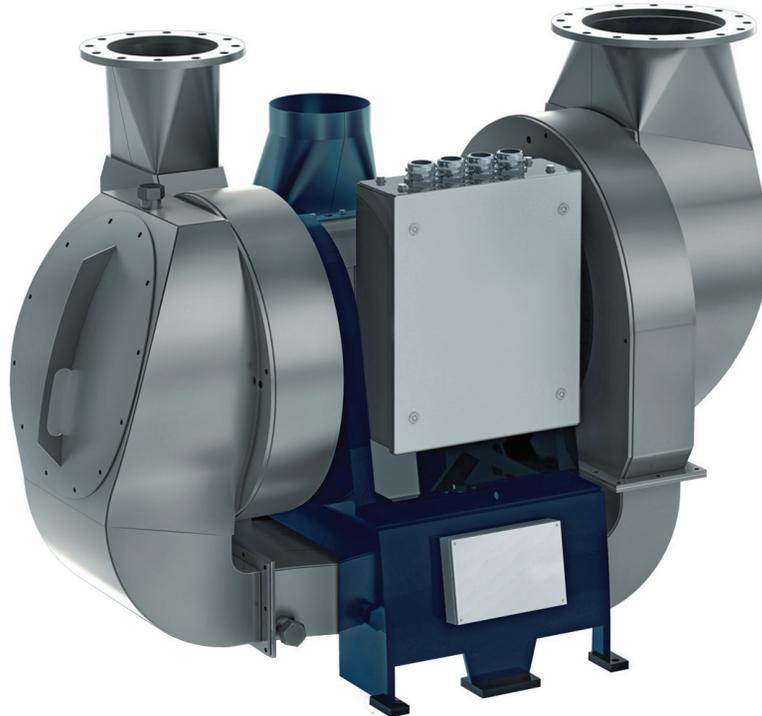


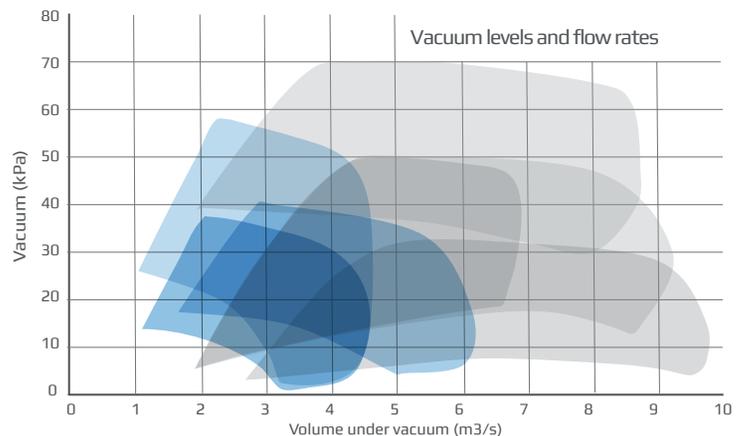
# Runtech Turbo EP315



## Save electricity and water in your vacuum system

Runtech Turbo, the first-ever variable speed and variable capacity turbo blower, saves 30–70% in energy compared with traditional vacuum systems.

Runtech Turbo is a totally water-free solution with significant heat recovery potential. Its compact design also reduces installation costs.



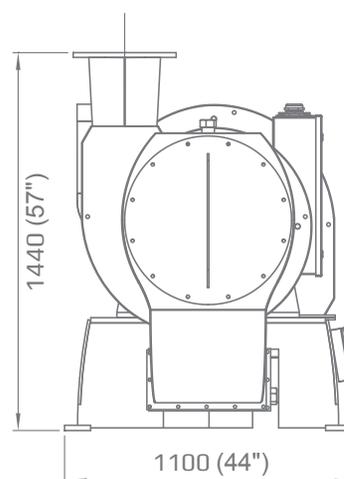
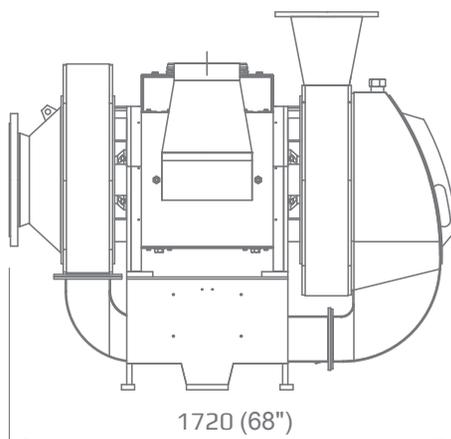
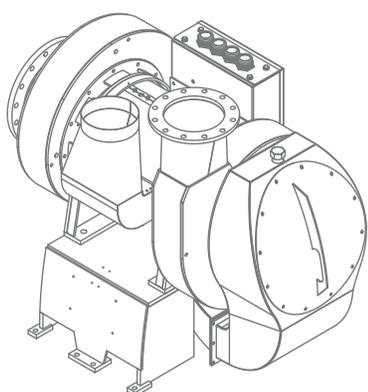
FEATURES	ADVANTAGES
Single- or two-stage turbo	<ul style="list-style-type: none"> <li>- Variable speed and capacity turbo blower saves energy</li> <li>- Wide air capacity range eliminates bleed valves</li> <li>- Automatic speed control adapts to changes in machine speed, basis weight and felt age</li> <li>- Full stainless steel construction</li> <li>- Exhaust air temperature up to 150 °C (300 °F)</li> </ul>
Compact size	<ul style="list-style-type: none"> <li>- Easy to install. No gearbox. Impellers are directly mounted on the motor shaft</li> </ul>
Integrated 315 kW high-speed drive	<ul style="list-style-type: none"> <li>- Robust solid rotor design with ball bearings</li> <li>- Speed up to 10,200 rpm</li> </ul>

	EP315-60-S1	EP315-40-D1	EP315-40-D2
Vacuum, min/max	-20 kPa – -60 kPa (6 inHg – 17.5 inHg)	-10 kPa – -40 kPa (3 inHg – 11.5 inHg)	-5 kPa – -38 kPa (1.5 inHg – 11.0 inHg)
Air flow range	1.5 – 4.5 m <sup>3</sup> /s (3,200 – 9,500 cfm)	1.5 – 4.5 m <sup>3</sup> /s (3,200 – 9,500 cfm)	2.0 – 5.5 m <sup>3</sup> /s (4,200 – 11,500 cfm)
Weight [kg/lb]	1,100 kg / 2,400 lb	575 kg / 1,300 lb	575 kg / 1,300 lb
Static load [kN]	10.7 kN	6.0 kN	6.0 kN
Dynamic load [kN]	21.4 kN	12.0 kN	12.0 kN
Size [L x H x W]	1660 x 1245 x 1200mm (68 x 57 x 44in)	1250 x 1245 x 1200mm (49 x 57 x 44in)	1250 x 1245 x 1200mm (49 x 57 x 44in)
Inlet / Outlet size	DN 350 / 250 PN10		
Power [kW]	315	250 / 315	250 / 315
Voltage [V]	400 / 500 / 690		
Blower body	Stainless steel		
Impeller	Titanium / composite		
Bearing	Ceramic ball		
Motor cooling air (EU5 filter)	0.5 m <sup>3</sup> /s at 30 °C, 2 kPa (1,000 cfm at 90 °F, 0.3 psi)		

(\*Optionally water cooling)

## Technical specifications

Runtech EP315-500-S/D Turbos are either single- or a two-stage speed-controlled blowers designed for smaller paper machines and mainly for retrofit installations. The materials are corrosion-resistant titanium/stainless steel.



## Technical drawings

The compact design makes retrofit installations easy. The EP Turbo unit includes an integrated high-speed drive, which eliminates the need for a gearbox or coupling. Units can be installed directly on top of the concrete water separator, basement or machine level.