



Introducing our new...

Vortex[®]

Vacuum Roots Blowers Series



- ◆ Synchronous-impellers Roots Vacuum Blowers
- ◆ Speeds from 100 to 900m /hr.
- ◆ Regular and Magnetic coupling
- ◆ Also available with Mechanical Bypass valve
- ◆ Water and air cooled versions

Without bypass valve

Model	Ultimate partial Pressure (Mbar)	Pumping Speed (m ³ /hr)	Maximum Allowable pressure (Mbar)	Inlet Diameter (mm.)	Outlet Diameter (mm.)	Motor Power (Kw)	RPM	Cooling water flow (lts./min.)	Weight (kgs.)
Vortex 250	3x10 ⁻⁴	252	100	80	50	1.1	2825	4	75
Vortex 500		540	80	100	100	2.2	2840	5	175
Vortex 1000		1040	60	150	150	4	2890	6	230
Vortex 2000		2160	58	200	200	7.5	2900	8	560
Vortex 4000		4320	53	250	200	11	2930	10	750
Vortex 6000		6480	44	250	250	15	2930	12	1100
Vortex 9000		9000	44	320	320	18.5	2930	12	1350

With bypass valve

Model	Ultimate partial Pressure (Mbar)	Pumping Speed (m ³ /hr)	Pressure differential at bypass (Mbar)	Inlet Diameter (mm.)	Outlet Diameter (mm.)	Motor Power (Kw)	Cooling water flow (lts./min.)	Weight (kgs.)
Vortex B100	3x10 ⁻⁴	108	40	40	40	0.75	4	
Vortex B250		252	40	80	50	1.1	4	75
Vortex B500		540	48	100	100	2.2	5	175
Vortex B1000		1040	58	150	150	4	6	230
Vortex B2000	5x10 ⁻⁴	2160	32	200	200	7.5	8	560
Vortex B4000		4320	44	250	200	11	10	750
Vortex B6000		6480	32	250	250	15	12	1100
Vortex B9000		9000	44	320	320	18.5	12	1350

Applications:

- Food packaging
- Lamp Manufacturing
- Drying
- Thermo-forming
- Leak detection systems
- Automotive coating systems
- Central vacuum stations
- And many more industrial purposes.

Available in ATEX Explosion proof motors



It replaces the following brands:

Leybold[®]
 Busch[®]
 Edwards[®]
 and Kinney[®] among others.

We use quality components for a longer service life...

MKS Ball bearings



Viton O-rings

