

TAFLO

PSO AIR BLOWER PUMPS

WASTE WATER TREATMENT



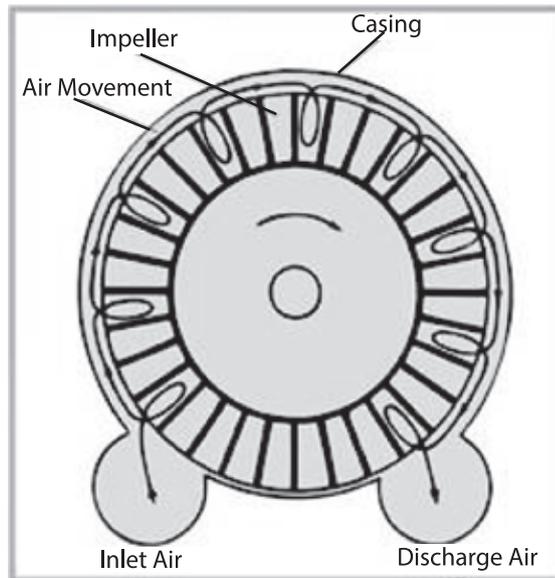
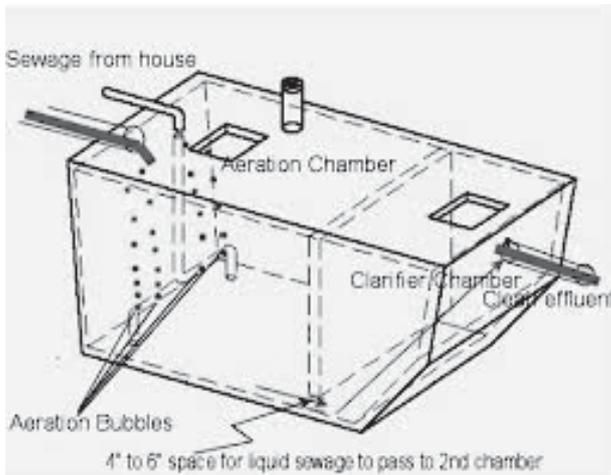
APPLICATIONS

There are many types of pressure and vacuum applications for Vortex blowers. Their compact size, low noise and reliable operation are particularly well suited for applications within printing, food and chemical processing, aquaculture, business machine and medical equipment.

OPERATING PRINCIPLE

Vortex blowers generate high pressure airflow during each rotation of a unique one sided single stage impeller. The impeller has 30 to 50 vanes that create discrete air pockets. Air entering these pockets is accelerated in two directions; axially and outward (radially). Air entering the outer housing's annular chamber is redirected into successive pockets of the spinner impeller. The airflow cycle forms a vortex or stretched spring pattern (see diagram). Velocity energy is increased or regenerated many times as air moves between the blower inlet and discharge.

TYPICAL APPLICATIONS



TECHNICAL DATA

MODEL	VOLTAGE	POWER	PRESSURE	OUTPUT	WEIGHT	DIMENSIONS
PSO11-750-C2	380V/50Hz	750w	18kPa	110m ³ /h	14kg	289 x 288 x 315mm
PSO11-1100-C2	380V/50Hz	1100w	24kPa	135m ³ /h	18.5kg	329 x 320 x 390mm
PSO11-1500-C2	380V/50Hz	1500w	26kPa	165m ³ /h	25kg	338 x 328 x 357mm
PSO11-2200-C2	380V/50Hz	2200w	28kPa	240m ³ /h	28kg	392 x 362 x 372mm
PSO11-3000-C2	380V/50Hz	3000w	35kPa	260m ³ /h	35kg	415 x 384 x 400mm