

SP units

Effex

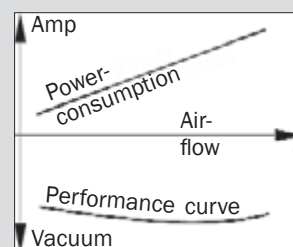
High vacuum



- Fume extraction
- Dust extraction
- Robotic welding
- Grinding
- Vacuum cleaning

APPLICATION

The SP units are well suited as central units for the extraction of smoke and dust from welding, especially when combined with an FU-A filter. The high vacuum means that hoses and duct with small diameters can be used. The turbines work at a vacuum pressure of up to 20 000 Pa. and the capacity varies from 800 to 5200 m³/h.



FEATURES

Performance:

The unique flat performance curves (ill.) of the SP turbines enable them to function efficiently irrespective of the number of extraction points in use (up to the predetermined maximum).

Energy savings:

The current drawn by the fan motor varies in proportion to the volume of air flowing through the system (ill.). When all the inlet points to the system are closed, the current level is relatively low. As operators "plug in" to the system, the current drawn will increase progressively to its rated maximum.

Low airflow volume:

This high vacuum system extracts pollutants directly from the source with the help of a low airflow volume at high speed. This means that heat loss in the room is kept to a minimum.

Advantages:

The SP turbines offer the latest technology in high vacuum extraction units. The high performance turbine, with two-stage balanced impellers is mounted on vibration dampers and covered by a weatherproof cabinet suitable for outdoor installation.

Specifications

Specifications	SP-8	SP-13	SP-15	SP-19	SP-26	SP-32	SP-36	SP-41	SP-52	
Art. no. 50Hz/230V 50Hz/400V		On request			On request			On request		
Airflow max m ³ /h	830	1350	1500	1900	2650	3250	3600	4100	5200	
Airflow inlet m ³ /h	830	1350	1500	1900	2650	3250	3600	4100	5200	
Static pressure max -Pa	21 400	21 400	23 150	19 400	20 500	22 600	19 250	20 500	23 000	
Static pressure inlet.-Pa	21 400*	19 800*	20 600*	18 500*	19 500*	18 900*	18 000*	18 000*	18 600*	
Speed 0/min	5495	5533	5840	2767	2935	3136	2940	3136	3283	
Power kW	11	15	18,5	22	30	39	37	45	55	
Current 50Hz/230V A	37	50	61	75	106	126	125	150	176	
Current 50Hz/400V A	21	29	35	44	61	73	72	86	96	
Phase/start	3/YD	3/YD	3/YD	3/YD	3/YD	3/YD	3/YD	3/YD	3/YD	
Weight kg	385	433	449	955	985	1045	1045	1135	1240	
LWH (mm)	1280 x 780 x 850			1830 x 1180 x 1250			1830 x 1180 x 1250			
Colour RAL	Grey 7047			Grey 7047			Grey 7047			
Inlet/outlet mm	200/200			200/200			250/250			

*The capacities for airflow/static pressure are the most relevant values, as max. values could be misleading for plant design. Performance curves are available.

OPTIONS AND ACCESSORIES



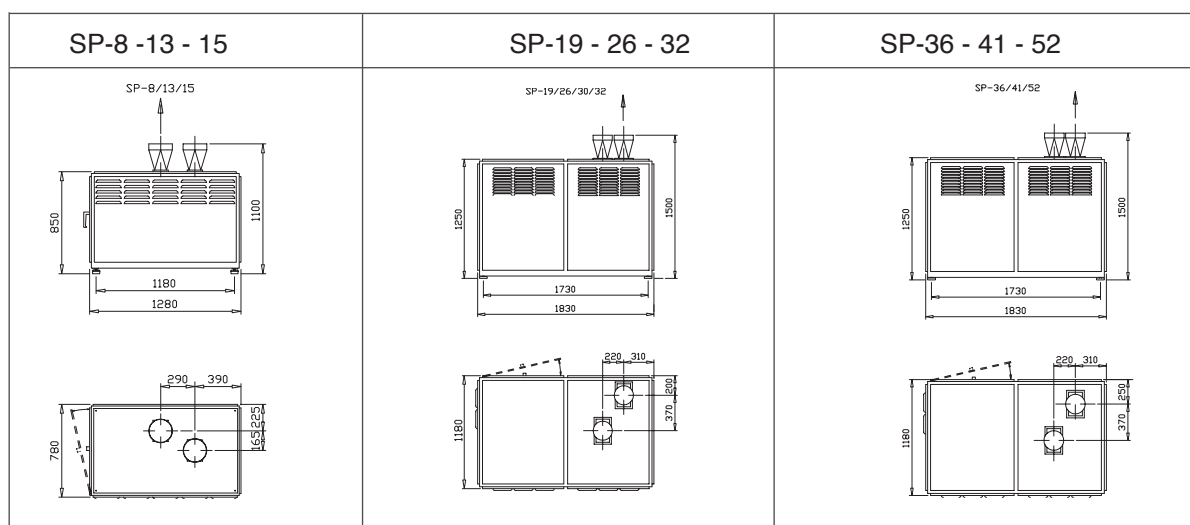
Start valve SS

Pneumatically powered automatic shut-off valve to prevent overloading of turbine motor at start up. 4 bar supply.



FU-A filters

A range of high efficiency filter units incorporating automatic cleaning systems is available for use in combination with the SP turbines. Ask for separate data sheets.



We reserve the right to make changes.



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