

Polex™ Particulate Scrubbers

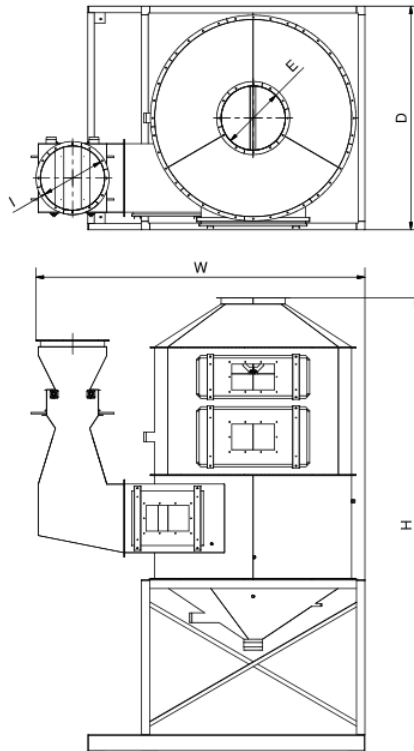
Polex™ PARTICULATE SCRUBBERS

Description

The Polex range of particulate scrubbers is designed for the filtering of contaminated air.

Operating Principle

The polluted air first enters the scrubber through a 90° bend and is intercepted by an array of water droplets. The air is accelerated as it enters the scrubber by a venturi plate to increase the number of collisions with the water droplets. Water is recirculated from the water tank to the spray jets. Some of the particles drop out into the water tank below at this stage. The remainder of the combined air-water mixture travels through to the perforated baffle. The water that passes through here produces a dam of water which acts as another stage of filtration. Finally, the air-water mixture enters a mist eliminator to remove any moisture present in the air stream. Sludge forms in the collection tank below.



Specifications

MODEL	AIRFLOW (m ³ /h)	BODY DIAMETER (mm)	WIDTH W (mm)	DEPTH D (mm)	HEIGHT H (mm)	INLET DIA I (mm)	OUTLET DIA E (mm)
PS 3000	3000	800	2315	1110	3810	250	250
PS 6000	6000	1100	2615	1410	4310	350	350
PS 12000	12000	1500	3015	1810	4810	500	500
PS 24000	24000	2300	3815	2610	5310	750	750
PS 36000	36000	2700	4215	3010	5310	900	900