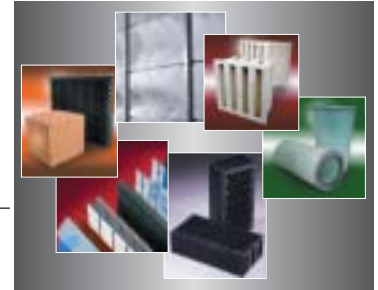




Inertial Separator Unit

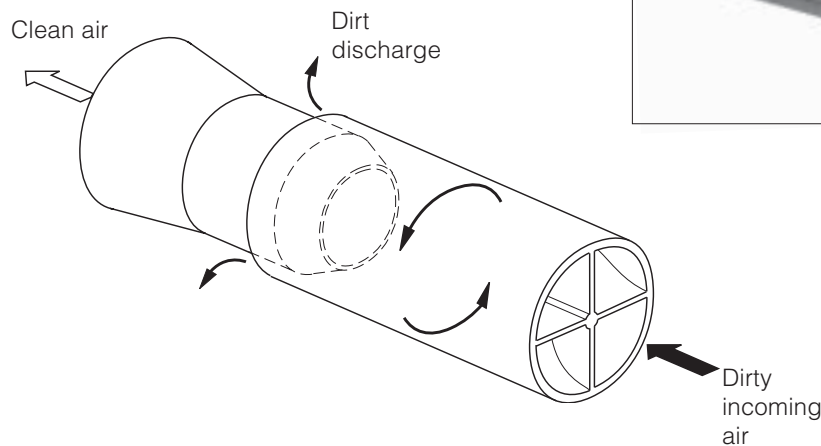


Technical Data:

The inertial spin separator has a dirt removal efficiency of 93% for particle sizes of 8 microns and larger and 99% for particles 20 microns and larger. With an inlet air flow of 950 CFM total dirty air to an individual unit the air pressure drop is only 1 inch of water. Using 10% bleed air, this would provide 855 CFM of clean air. The total number of units can then be determined by dividing this quantity (selected as an example) into the total of clean air required.



Operating Principles of the Separator



		Pressure Drop (Inches of Water)				
Inlet CFM	400	600	800	1000	1200	1400
Pressure Drop	.32	.52	.76	1.10	1.53	2.06