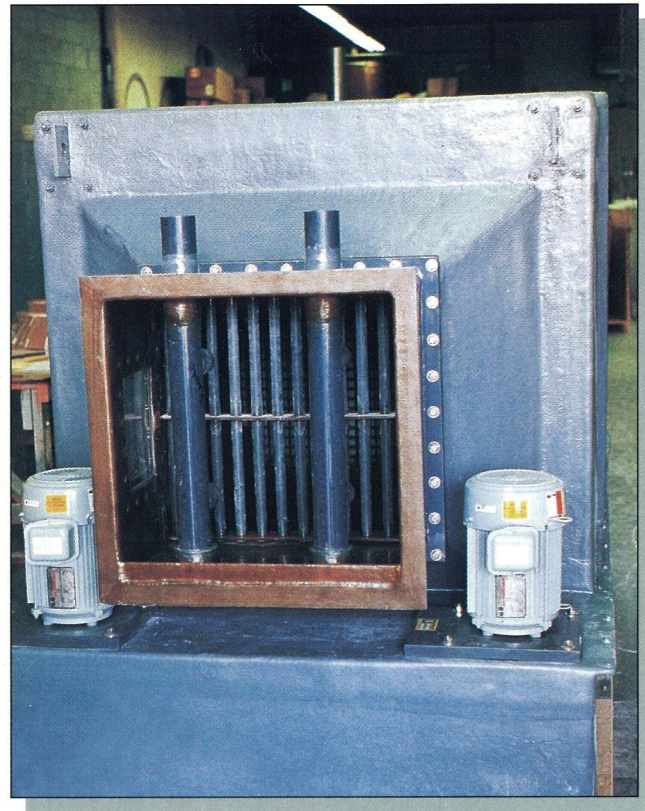


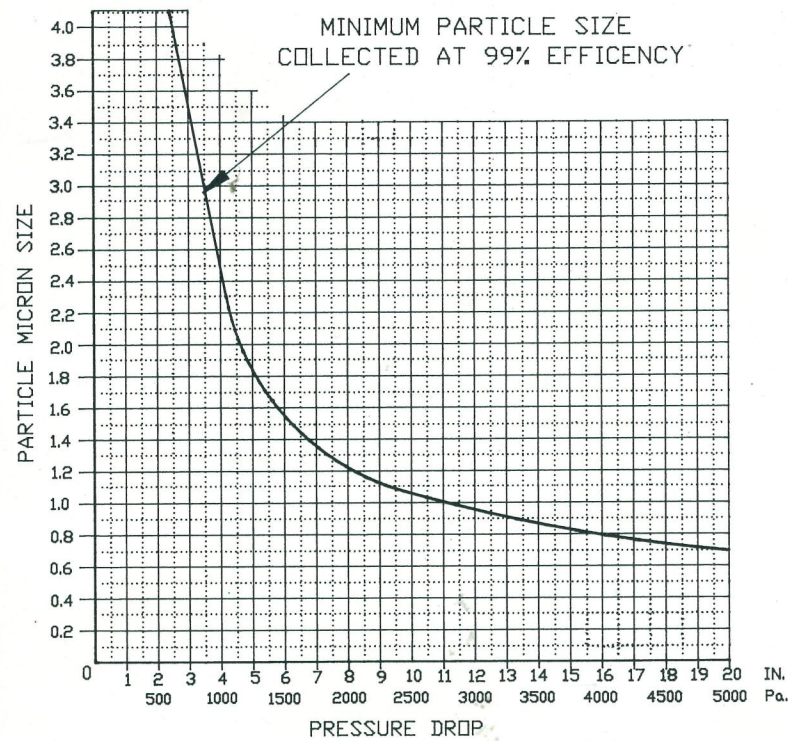
VENTURI SYSTEM

VENTURI SCRUBBERS ARE IDEAL AIR POLLUTION CONTROL DEVICES FOR REMOVING OILS, DROPS AND PARTICLES FROM INDUSTRIAL AND COMMERCIAL AIR STREAMS. PLASTICAIR OFFERS A COMPLETE LINE OF VENTURI SCRUBBERS SUITABLE FOR A WIDE VARIETY OF DIFFERENT PROCESSES.

FOR MORE INFORMATION AND PRICING PLEASE COMPLETE THE ENCLOSED DATA SHEETS AND RETURN THEM TO YOUR CLOSEST PLASTICAIR AGENT.



1. ADJUSTABLE VENTURI SECTION
2. CHEMICAL SAMPLING HOUSING
3. PH/ORP CONTROL PANEL
4. LIQUID RECIRCULATION SYSTEM
5. MIST ELIMINATION SECTION
6. CLEAN AIR OUTLET (ROUND OR RECTANGULAR)
7. DIRTY AIR INLET (ROUND OR RECTANGULAR)
8. MIXING CHAMBER
9. CHEMICAL INJECTION PIPING



ECE SCRUBBER PERFORMANCE VS PRESSURE DROP

THE DIRTY AIR ENTERS THE SCRUBBER AT (7) WHERE IT PASSES THROUGH THE VENTURI SECTION (1). HERE THE SMALL PARTICLES OR DROPS ARE REMOVED BY COLLIDING THEM WITH THE SPRAYED RECIRCULATION LIQUID (4) AT VERY HIGH VELOCITIES. THE LIQUID/PARTICLE MIXTURE THEN PASSES THROUGH A MIXING ZONE (8) WHERE ADDITIONAL REMOVAL TAKES PLACE AND FINALLY THROUGH THE MIST ELIMINATOR SECTION WHERE ALL THE REMAINING SPRAYED LIQUID AND PARTICLES ARE REMOVED. THE SPRAYED LIQUID CAN BE CHEMICALLY ADJUSTED USING A PH/ORP CONTROL SYSTEM (2) (3) AND (9) FOR ANY NEUTRALIZATION OR OXIDATION THAT IS REQUIRED.

