

## PLASTICAIR INC & ODOUR CONTROL

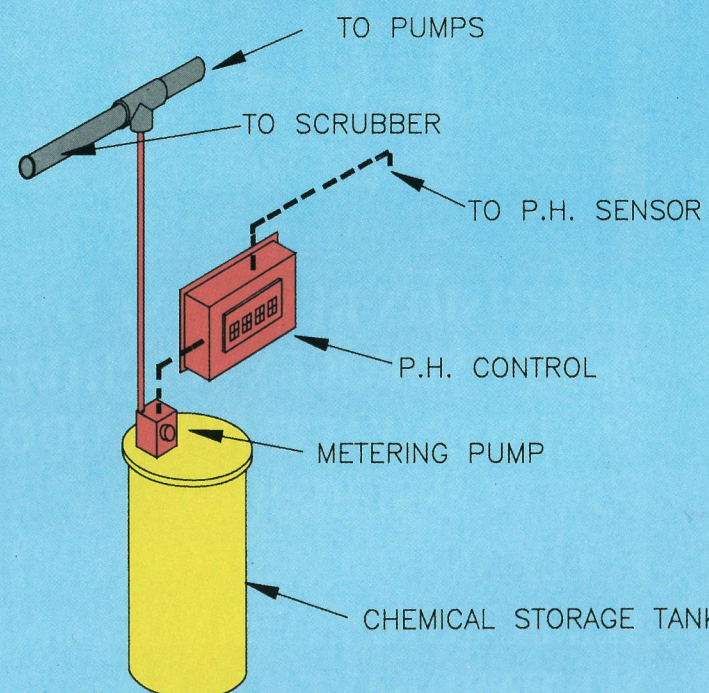
AWARENESS OF WORLD AIR ENVIRONMENT PROBLEMS HAS NEVER BEEN GREATER. ANSWERS TO ALL OF THESE PROBLEMS EXIST, IF THE RIGHT SOLUTION IS APPLIED. WITH TODAY'S INNOVATIVE LEVEL OF TECHNOLOGY, THE SOLUTIONS TO YOUR SPECIFIC POLLUTION CONTROL NEEDS ARE AVAILABLE.

THIS BROCHURE INDICATES THE BEST DESIGN AND TECHNOLOGY AVAILABLE FOR ODOUR REMOVAL SITUATIONS FOR AIR VOLUMES GREATER THAN 0.5 CMS. LOW VOLUMES ARE BETTER HANDLED BY CATALYTIC OR OZONATION SYSTEMS. THE WET SCRUBBING PROCESS IS THE MOST ECONOMICAL SOLUTION TO ODOUR CONTROL FOR THESE VOLUMES.

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



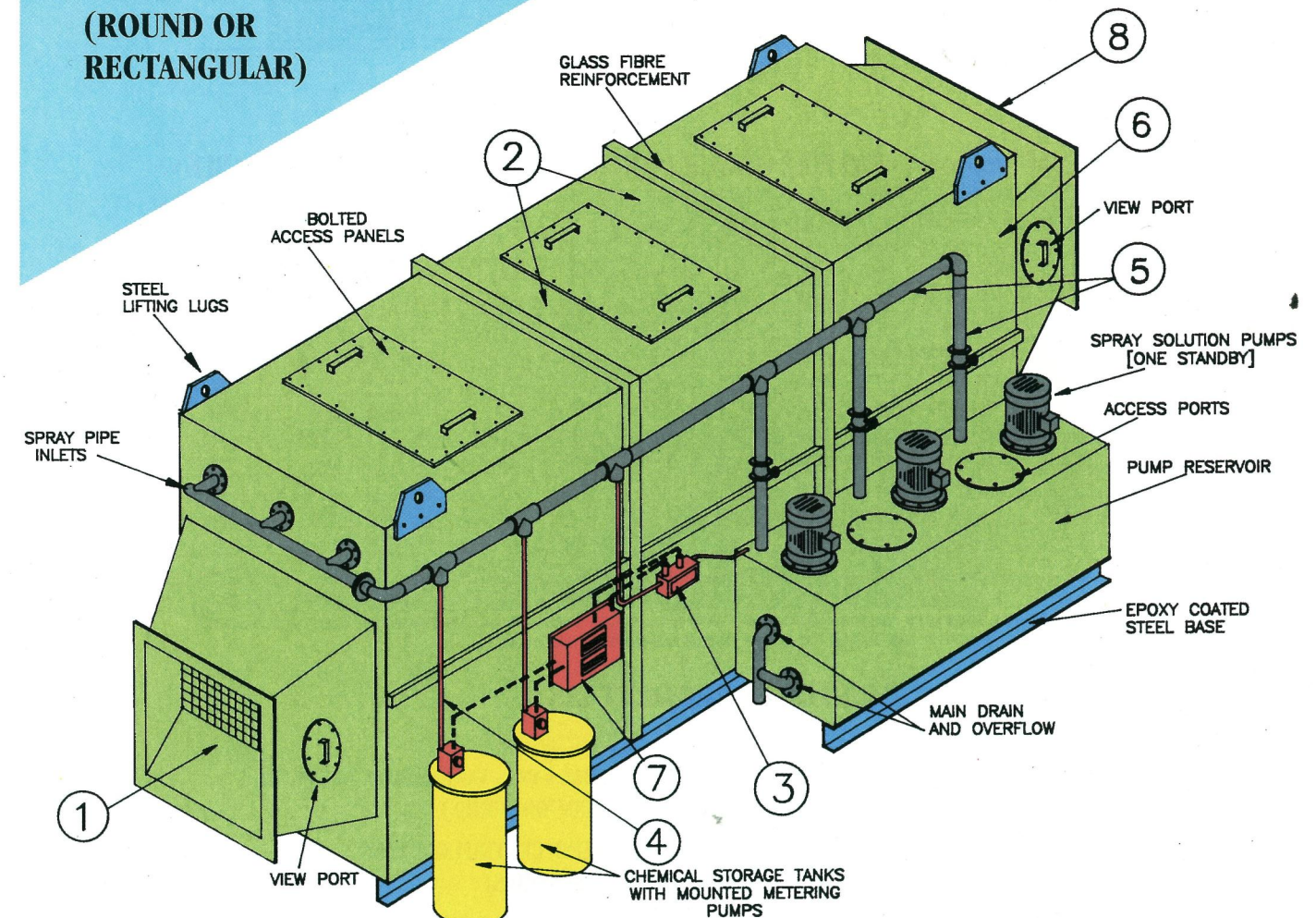
### CONTROL ARRANGEMENT FOR "ACID GAS ONLY" SCRUBBING



FOR APPLICATIONS ONLY REQUIRING THE NEUTRALIZATION OF ACID GASES IT IS POSSIBLE TO USE A SINGLE PH CONTROL SYSTEM, AS SHOWN ABOVE. SCRUBBER SIZES WILL VARY.



1. FOUL AIR INLET (ROUND OR RECTANGULAR)
2. PACKED BED (WAVEWALL CONSTRUCTION)
3. CHEMICAL SAMPLING HOUSING
4. CHEMICAL INJECTION PIPING
5. LIQUID RECIRCULATION SYSTEM
6. MIST ELIMINATION SECTION
7. PH/ORP CONTROL PANEL
8. CLEAN AIR OUTLET (ROUND OR RECTANGULAR)



PLASTICAIR'S ODOUR CONTROL SCRUBBERS CAPTURE OFFENSIVE SULFUR BASED ODOURS BY MASS TRANSFER ABSORPTION. THESE ODOURS INCLUDE HYDROGEN SULFIDE, MERCAPTANS AND ALDEHYDES.

FOUL ODOUR ENTERS THE SCRUBBER AT THE INLET (1). IT THEN PASSES THROUGH A PACKED BED SECTION (2) WHERE IT IS ABSORBED INTO THE LIQUID AND IS OXIDIZED USING SODIUM HYDROXIDE AND SODIUM HYPOCHLORITE. THE PACKED BED ACTS AS THE MEDIA FOR CONTACT BETWEEN THE ODOUR AND THE LIQUID. THE CLEAN AIR NOW PASSES THROUGH A MIST ELIMINATOR (6) TO REMOVE THE ENTRAINED LIQUID AND IS EXHAUSTED OUT (8). THE HYDROXIDE AND HYPOCHLORITE ARE STORED IN SPECIAL TANKS AND ARE ADDED THROUGH THE INJECTION PIPING (4) INTO THE LIQUID RECIRCULATION SYSTEM PIPING (5). THE LIQUID COMPOSITION IS CONTINUALLY MONITORED AT THE SAMPLING HOUSING (3) AND CONTROLLED AT THE PH/ORP CONTROL PANEL (7) TO MAINTAIN THE REQUIRED CHEMICAL CONCENTRATIONS.