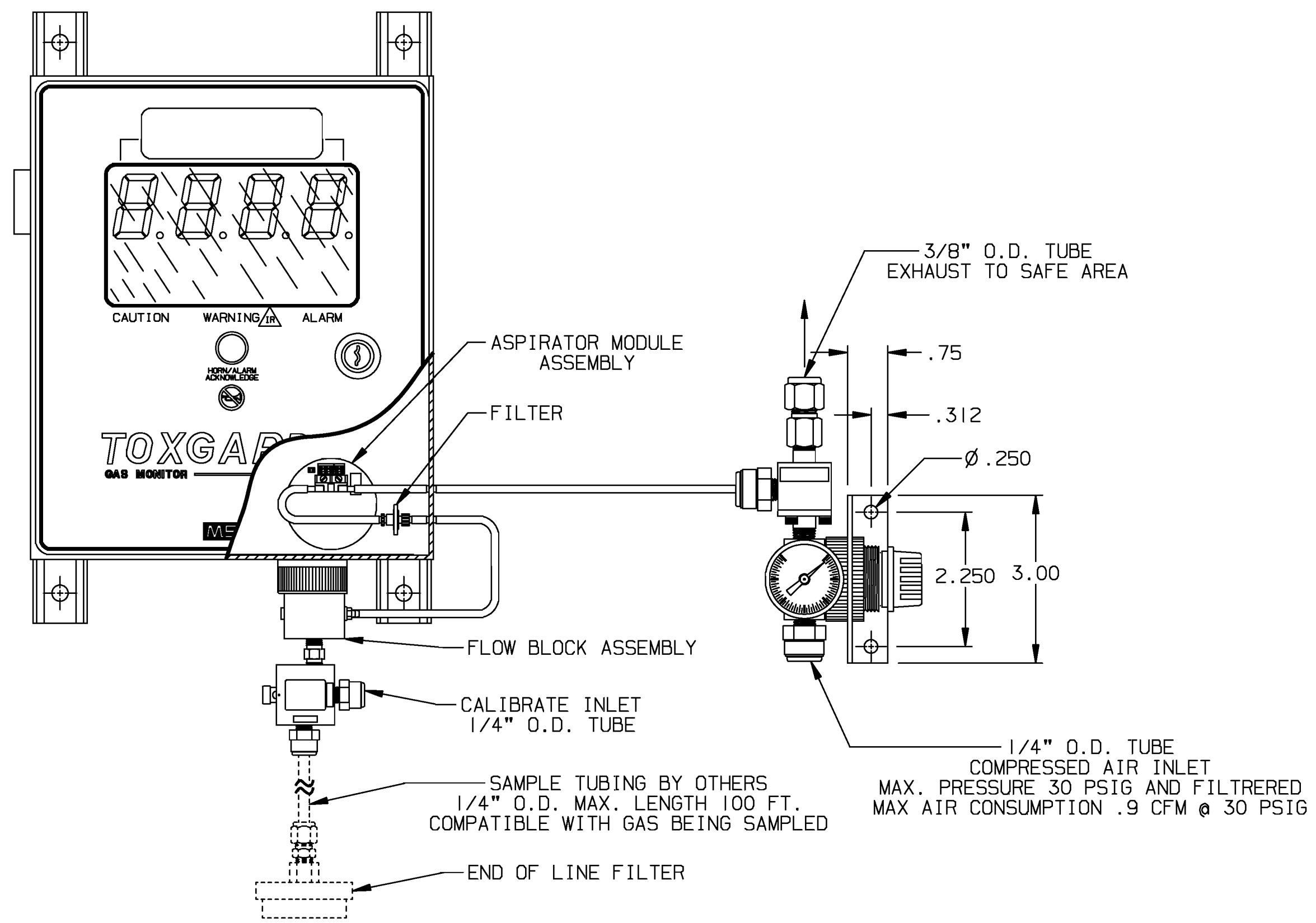
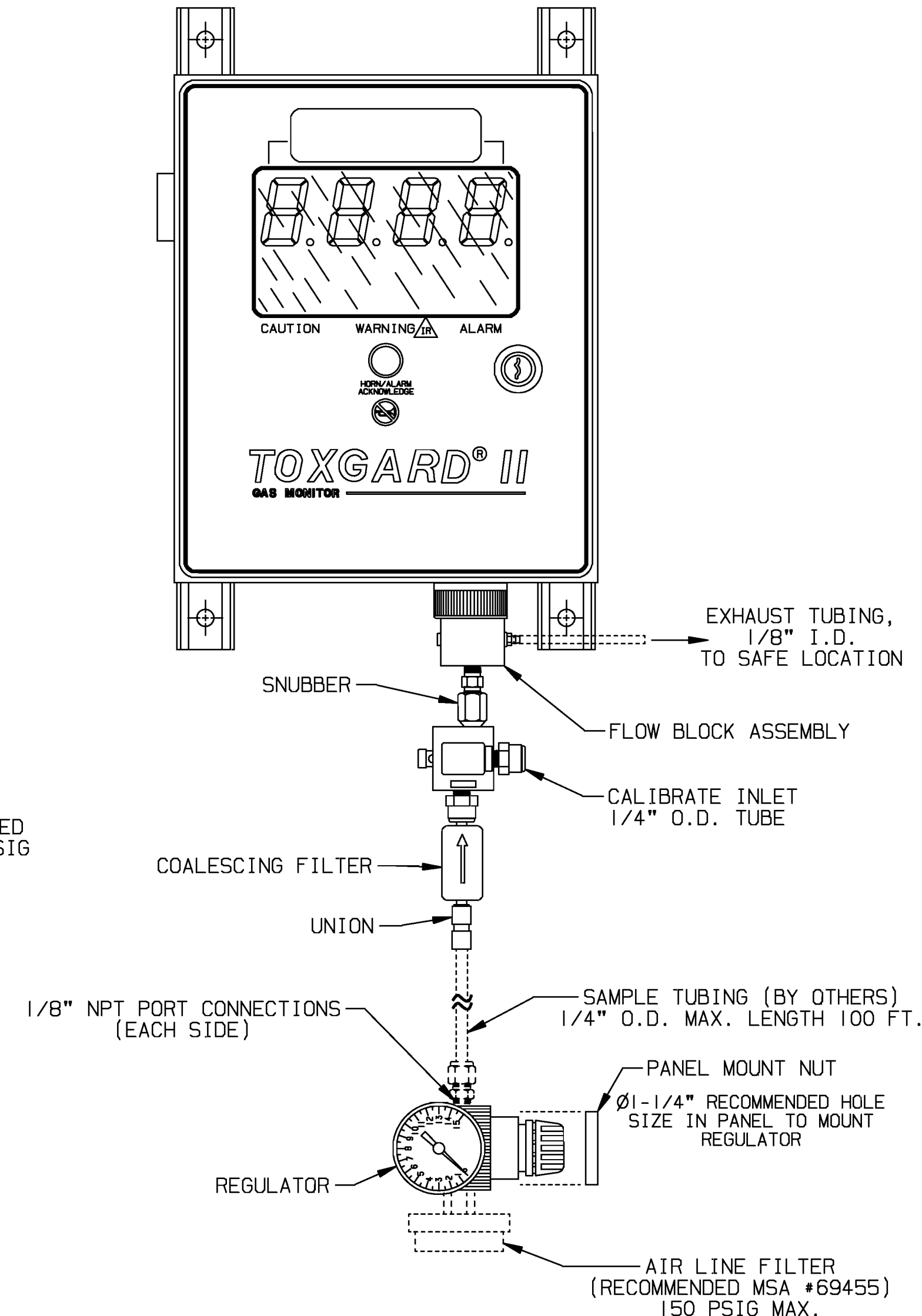


TYPICAL D.C. PUMP INSTALLATION



TYPICAL AIR ASPIRATOR INSTALLATION



TYPICAL AIR LINE MONITOR INSTALLATION

SAMPLE TUBING

MSA PART NOS. 603149 (TEFLON LINED),
602593 (HDPE LINED) AND
603146 (POLYURETHANE)
ARE SUITABLE TO 50 FEET.

FOR SAMPLE LINES OVER 50 FEET EXPAND THE TUBING
TO A MINIMUM OF 0.156 I.D.

MSA PART NOS. 602876 (PFA TEFLON),
29207 (NYLON) AND
26535 (POLYETHYLENE)
ARE SUITABLE

END-OF-LINE FILTERS

MSA PART #78006 - AIR, NATURAL GAS
MSA PART #637920 - SOLVENT VAPORS
MSA PART #637921 - HIGH HUMIDITY, WET WELLS

COLOR CODE	
BLACK = K	GREEN = G
BROWN = N	BLUE = B
RED = R	VIOLET = V
ORANGE = O	GRAY = A
YELLOW = Y	WHITE = W
PINK = P	TAN = T

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INTERCHANGEABLE-PART	MINE SAFETY APPLIANCES COMPANY PITTSBURGH, PA.	MSA STANDARD SHOP PRACTICES APPLY		
AUTHORIZED COUNTRY		DATE	JOB NO. <i>E611680</i>	SCALE <i>NTS</i>
AUER	M. EAST	CRITICAL		
AUSTRALIA	MSA EUROPE	MAJOR	<i>GJT</i>	<i>1-21-98</i>
BRAZIL	NETHERLANDS	MINORING MARK	CHECKED BY	
CANADA	PERU	TOLERANCES UNLESS OTHERWISE SPECIFIED	<i>W. BARBISH</i>	<i>1-30-98</i>
CHILE	S.E. ASIA	FRACTIONAL $\pm 1/64$ "	PROJECT ENGINEER	
CHINA	SPAIN	2 PL. DEC. $\pm .01$	<i>W. BARBISH</i>	<i>1-30-98</i>
FRANCE	SWEDEN	3 PL. DEC. $\pm .005$	QUALITY ASSURANCE	
INDIA	MSA BRITAIN	ANGULAR $\pm 1/2$ "	<i>K. McKEIGUE</i>	<i>2-4-98</i>
ITALY		SEE MSA STANDARD SHOP PRACTICES FOR DRILLED HOLE TOLERANCES.	MANUFACTURING	
JAPAN			<i>G. SEIGH</i>	<i>2-4-98</i>
MEXICO				

AGENCY CONTROLLED YES NO

INSTALLATION OUTLINE DRAWING,
TOXGARD II, FLOW SYSTEMS

DSK3015-350