


PROJECT :			DATE :	
CLIENT:			BY :	S.R.M.
PROJ. NO. :			REV :	
UNIT :			DOC NO.:	

Storage Tank - Emergency Venting Calculation

Input Data		
Tank Diameter	m	12.5
Height of Liquid in Tank	m	7.55
Tank Design Pressure	mbarg	10
Vapor Molecular Weight	----	18
Stored Liquid Latent Heat	btu/lb	970.6
Relieving Temperature	C	100
Environmental Factor (F)	----	1

Calculation Results		
Wetted area	m ²	296.49
Wetted area	ft ²	3191.37
Fire Heat Input	btu	14090000
Relieving Temperature	R	672
Venting Capacity for Fire	SCFH	274169
Venting Capacity for Fire	Nm³/hr	7359
Venting Capacity for Fire	kg/hr	5913

Notes