

Explosion Report

Workspace: 72341-2FSRURegas

Study: FSRU in rigassificazione

Equipment Item: 9R Compressore BOG LD

72341-2FSRURegas\FSRU in rigassificazione\9R Compressore BOG LD

Material	GAS NATURALE	
East	0	m
North	0	m

Scenario (Leak) : 75mm

72341-2FSRURegas\FSRU in rigassificazione\9R Compressore BOG LD\75mm

Weather: Category 2/F

Explosion location criterion	Cloud front (LFL fraction)	
Explosion height criterion	Effect height	
Explosion method	Multi-Energy: Uniform confined	
Uniform confined method explosion efficiency	12,5	%
Uniform confined method explosion strength	4	

Time of explosion [s]	Distance to centre of mass [m]	Distance to explosion centre [m]	Distance to ignition point [m]	Flammable mass [kg]	Overpressures (input) [bar]	Distance to specified overpressures [m]
0,343793	7,13086	10	10	0,738724	0,03	18,0509
					0,07	13,452
					0,14	0
					0,3	0
					0,6	0
1,21687	9,62248	20	20	1,21291	0,03	29,4979
					0,07	24,0724
					0,14	0
					0,3	0



					0,6	0
8,03007	9,70702	30	30	1,22563	0,03	39,531
					0,07	34,0866
					0,14	0
					0,3	0
					0,6	0

Weather: Category 5/D

Explosion location criterion	Cloud front (LFL fraction)	
Explosion height criterion	Effect height	
Explosion method	Multi-Energy: Uniform confined	
Uniform confined method explosion efficiency	12,5	%
Uniform confined method explosion strength	4	

Time of explosion [s]	Distance to centre of mass [m]	Distance to explosion centre [m]	Distance to ignition point [m]	Flammable mass [kg]	Overpressures (input) [bar]	Distance to specified overpressures [m]
0,343793	7,06996	10	10	0,657735	0,03	17,7452
					0,07	13,3209
					0,14	0
					0,3	0
					0,6	0
1,03453	8,94045	20	20	0,938985	0,03	28,7211
					0,07	23,7393
					0,14	0
					0,3	0
					0,6	0

