

Consequence Summary Report

Workspace: 71850-Elaborati di calcolo-00

Study: Sergnano

Summary Basis

These tables will only report global values set in the parameters. Values that are modified in the study tree will not be reported.

The report is context sensitive, and filters up to the study level. You will need to generate multiple summary reports if you have multiple studies in your workspace.

Discharge Results (after atmospheric expansion)

Path	Scenario	Weather	Peak Flowrate [kg/s]	Temperature [degC]	Liquid mass fraction in material [fraction]	Droplet diameter [um]	Expanded diameter [m]	Velocity [m/s]	End time of release [s]
Sergnano\Compressione-Sovratemperatura	25 mm	Category 2/F	8,70049	-38,4025	0	0	0,203983	300	7200
		Category 5/D	8,70049	-38,4025	0	0	0,203983	300	7200



Dispersion Results

Input dispersion parameters

Core averaging time	18,75	s
Flammable averaging time	18,75	s
Toxic averaging time	600	s
Height of interest	1,7	m

Distance downwind to defined concentrations

The reported concentration of interest is defined at the scenario

Path	Scenario	Weather	Distance to UFL [m]	Distance to LFL [m]	Distance to LFL fraction [m]
Sernano\Compressione-Sovratemperatura	25 mm	Category 2/F	n/a	38,7052	72,4105
		Category 5/D	n/a	37,7505	85,2132



Jet Fire Results

Distance downwind to defined radiation levels

The reported radiations are defined in the parameters

Path	Scenario	Weather	Flame length [m]	Distance downwind to intensity level 1 (3 kW/m ²) [m]	Distance downwind to intensity level 2 (5 kW/m ²) [m]	Distance downwind to intensity level 3 (7 kW/m ²) [m]	Distance downwind to intensity level 4 (12,5 kW/m ²) [m]	Distance downwind to intensity level 5 (37,5 kW/m ²) [m]
Sergnano\Compressione-Sovratemperatura	25 mm	Category 2/F	31,6948	59,8167	52,2209	48,026	41,8813	32,4243
		Category 5/D	35,0027	58,1562	52,3402	49,1682	44,643	38,1319

Flash Fire Results

Distance downwind to defined concentrations

The reported LFL and LFL fraction are defined in the respective material property

Path	Scenario	Weather	Distance downwind to LFL [m]	Distance downwind to LFL Fraction [m]
Sernano\Compressione-Sovratemperatura	25 mm	Category 2/F	38,7052	72,4105
		Category 5/D	37,7505	85,2132