

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	10 mm	Category 2/F	1,51169	-70,7838	0	0	0,0788428	300	7200
		Category 5/D	1,51169	-70,7838	0	0	0,0788428	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	10 mm	Category 2/F	n/a	n/a	30,8906
		Category 5/D	n/a	n/a	24,0409



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	10 mm	Category 2/F	16,3894	25,5961	23,0559	21,654	19,5932	16,3189
		Category 5/D	18,2547	25,8495	23,9038	22,835	21,2945	19,0761

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 Fraction [m]
Sergnano\Compressione	10 mm	Category 2/F	30,8906
		Category 5/D	24,0409