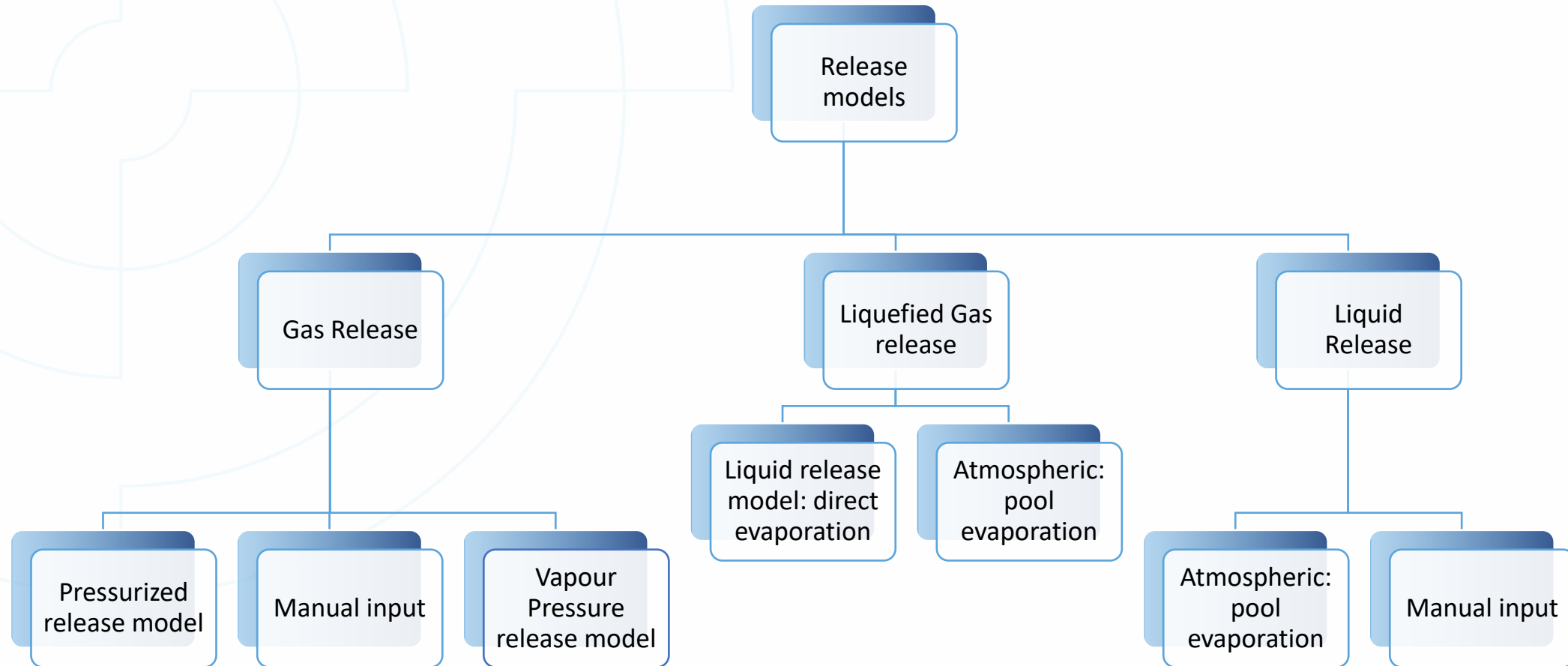


Hazcalc Release Models

for Hazardous Area Classification



Hazcalc: Release Models



Gas Release models (1)

- **Pressurised release model:**

- ✓ From flanges, appertures etc. in pipeline
- ✓ From pressurised vessels
- ✓ From pressure relief valves / pressure safety valves

- **Vapor Pressure model:**

- ✓ From atmospheric vent systems on vessels, tanks e.g. during filling

Gas Release models (2)

- **Manual input:**

- ✓ Based on specifications of manufacturers of PSV/PRV

Liquefied Gas Release Models

- **Liquid Release model: % direct evaporation (gas)**
 - ✓ From flanges, appertures etc. in pipeline
 - ✓ From pressurised vessels
 - ✓ From pressure relief valves / pressure safety valves
- **Atmospheric Release Model: evaporation of pool**
 - ✓ From evaporative pools formed by 2-phase release – the liquid part

Liquid Release Models (1)

- **Liquid Release model: % direct evaporation (gas)**
 - ✓ From flanges, appertures etc. in pipeline
 - ✓ From pressurised vessels
 - ✓ From pressure relief valves / pressure safety valves
- **Atmospheric Release Model: evaporation of pool**
 - ✓ From evaporative pools formed by liquid release

Liquid Release Models (1)

- **Manual input:**

- ✓ Based on specifications of manufacturers of PSV/PRV