

How to select the best safety valve for your system

Follow this step-by-step guide to pick the correct safety valve for your refrigeration system. A good safety valve protects your entire application, reduces refrigerant loss, and keeps system pressure at an optimal level.



Select the design standard for system and safety valves

- › EN 378 – system
- › EN13136 – safety valve



Evaluate the needed pressure ratings of your system

- › Max working pressure
- › Max reseating pressure 10 or 15%
- › Set pressure



Evaluate the needed safety valve type for your system

- › Teflon, metal, or gas-tight seal

Download
Coolselector®2 for free at
coolselector.danfoss.com



Use Coolselector®2 to:

- 1 Calculate and evaluate **inlet** pressure drop (i) Max 3%
- 2 Calculate and evaluate **outlet** pressure drop (i) Max 10% for standard safety valves
- 3 Calculate gas velocity in outlet line, and verify if below sonic velocity
- 4 Make the complete documentation of the safety valve documentation



See how tomorrow's solutions are ready today
visit www.danfoss.com

ENGINEERING
TOMORROW

