



## 3061E THE SMALL AND POWERFUL SAFETY VALVE FOR CO<sub>2</sub> SYSTEMS

Castel proposes a wide range of safety valves for CO<sub>2</sub> Booster, Cascade and pumped liquid systems.

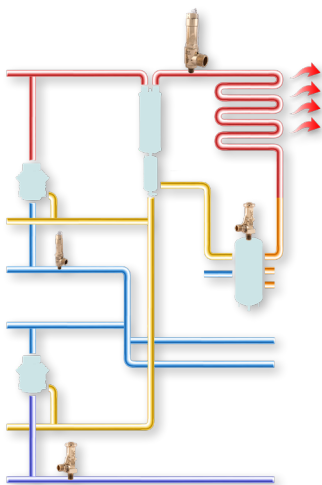
Safety valves series 3061E are specifically designed to be suitable for CO<sub>2</sub> transcritical and subcritical systems with maximum working pressure up to 165 bar.

The compact dimensions and use of high-performance materials places the 3061E valve as a reliable safety device suitable for installation in all refrigeration systems, especially in CO<sub>2</sub> transcritical applications.

Transcritical applications not only feature extremely high working pressures, up to 150bar; they also show very high temperatures at the compressor discharge line. This brand new safety valve perfectly complies with these extreme conditions, since it can reach set pressures up to 150 bar and 150°C working temperatures!

The set pressure range (from 60 to 150 bar) guarantees operating flexibility ranging from installations on the low pressure section (60bar) such as the evaporator; intermediate pressure section (80-90 bar) when installed on liquid receivers and finally on the high pressure section protecting the oil separator, the gas cooler and the heat recovery unit (120-140 bar).

Safety valves type 3061E guarantee repeatable performance. This means that, after the valves have operated, open/close, the initial setting conditions are maintained.



Castel, as a consolidated partner for CO<sub>2</sub> applications, has developed the 3061E series as an affordable safety valve suitable for many installations.

**Technical data:**

Refrigerant: CO<sub>2</sub> (R744)

Set pressure range: 60 – 150 bar

Connections: ¼"NPT; 3/8"NPT; ½"NPT

MWP (maximum working pressure): 165 bar

TS min / TS Max: -50°C / 150°C

Download the 2021 General Catalogue from our web site:  
[www.castel.it](http://www.castel.it) to see our complete safety devices range for CO<sub>2</sub>.