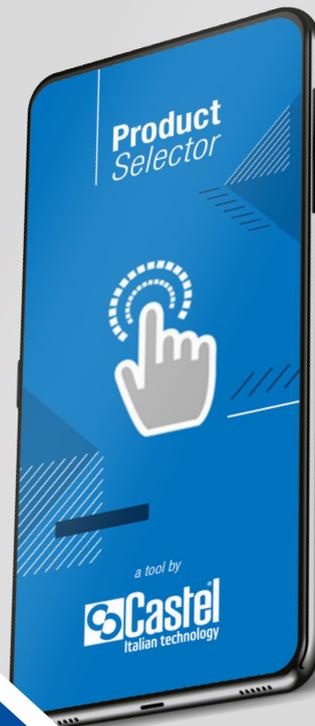




## ENHANCED CASTEL APP SELECTOR



The selection of Castel components is **enriched with new products**, this new update of the application is able to provide not only the characteristics of the components but also to help in the **selection of accessories**.

The application now includes **the entire range of check valves, the complete range of Castel indicators** plus **the entire range of ball valves** and their relative pairing with the electric actuators proposed in the Castel catalog.

All components present in the system generate a pressure drop, and even if this loss is small, if it is not evaluated correctly, it could contribute to the reduction of the refrigeration characteristics of the system.

The tool proposed by Castel helps the designer and the refrigeration technician calculate the pressure drop generated by each passive component of the Castel family. Across it and through all of the circuit characteristics, it is possible to calculate for an extensive variety of gases, the pressure drop across the system. Thus providing all the information for the correct selection.

Throughout all of the characteristics of the system, this application is also able to evaluate the behavior of the non-return valves. For the correct functioning of the system, it is important that the pressure drop across a check valve is not too high, to avoid excessive noise and also that it is not too low, or too close to the MinOPD value, in order to avoid the problem of the "chatter" effect, generated by a continuous and sudden opening/closing of the same.

In addition to providing the fluid dynamics calculations, this application also guides and **supports the designer during the pairing of ball valves together with an actuator and its adapter**. Starting from the dimensions of the valve just calculated, or also selecting the size of the valve in question directly without going through the sizing and indicating which type of power supply is required. The application proposes all the compatible actuators and already selects the suitable adapter, providing a list complete with components to order.

This tool is a valuable aid both in the case of design and verification of components in the system. We are pleased to say that **this application strengthens the indispensable synergy between supplier and customer**, strengthening the necessary proactive relationship that creates the environment for growth.

Underlining the spirit and philosophy of the whole Castel world...

*Download the 2021 General Catalogue from our web site: [www.castel.it](http://www.castel.it) to see our complete product range*