

CONVAL® 7.0

Three separate editions of CONVAL® are now available. They differ only with regard to the functional scope of the integrated calculation modules. An optional thermodynamic modul is available for all editions.

Overview

Functional scope of CONVAL® editions	I+C Edition	Plant Engineering Edition	Full Edition
→ Valves and actuators			
Control valves <small>enhanced</small>	✓		✓
Control valves with 2-phase flow at the inlet <small>new</small>	✓		✓
Steam conditioning units	✓		✓
Actuator forces	✓		✓
→ Throttle elements			
Differential pressure flow elements <small>enhanced</small>	✓		✓
Restriction orifice plates	✓	✓	✓
→ Piping systems			
Pressure loss	✓	✓	✓
Pressure surge	✓	✓	✓
Sizing		✓	✓
Pipe wall thicknesses <small>enhanced</small>		✓	✓
Pipe compensation		✓	✓
Span calculation		✓	✓
→ Heat exchangers			
Shell-and-tube heat exchangers		✓	✓
Condensers		✓	✓
→ Chemical engineering			
Safety valves <small>enhanced</small>		✓	✓
Tank depressurization	✓	✓	✓
Pump motor output	✓	✓	✓
→ Service			
Property calculation	✓	✓	✓
Material data calculation <small>new</small>	✓	✓	✓
Curve regression	✓	✓	✓
→ Databases			
Control valves <small>enhanced</small>	✓		✓
Safety valves <small>enhanced</small>		✓	✓
Pitot tubes <small>new</small>	✓	✓	✓
Flow resistances <small>new</small>	✓	✓	✓
Standard motors	✓	✓	✓
Properties	✓	✓	✓
Materials <small>enhanced</small>	✓	✓	✓
→ Options			
Thermodynamikmodul RUB	✓	✓	✓