#### **2 WAY VALVE**

# BALANCED

## RUGGED, COMPACT AND COST-EFFECTIVE

2 way balanced control valve is a rugged, premium quality control valve and actuator system, designed to precisely control hot water, steam and hot oil systems.





# **BALANCED 2 WAY CONTROL VALVE**

#### PN 16/25/40, DN15 - DN80 mm

We produdly deliver a unique and competitive product, guaranteeing reliable operation and performance.

Whenever a media must be heated or cooled to a certain temperature, Clorius Controls has the most efficient solution.

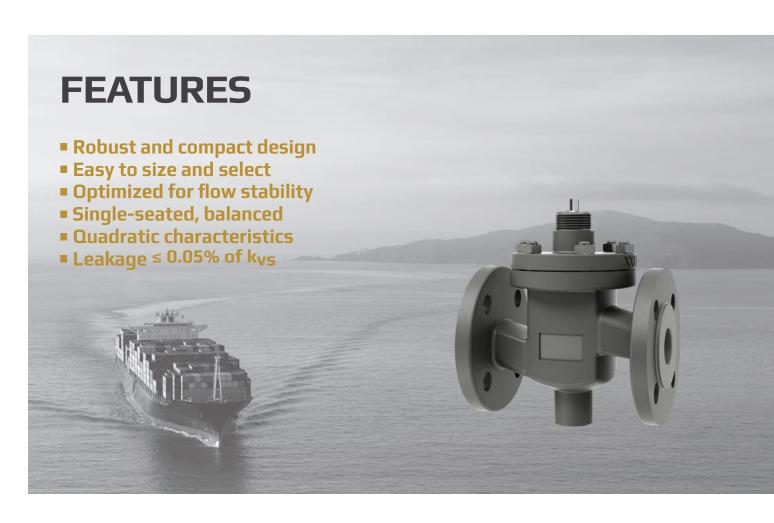


### **AVAILABLE CONTROL OPTIONS**









#### **APPLICATION**

Our balanced control valves are designed for regulating hot water, steam and hot oil systems. Balanced valves are used in installations where the system pressure necessitates a closing force greater than available in the actuator programme for a standard single seated valve, and where the leakage rate for a double-seated valve is unacceptable. The valves are used with our temperature and pressure (differential) regulators for controlling industrial processes, district or central heating plants or marine installations.

#### **FUNCTION**

Without an actuator being connected, the valve is held in open position by means of a spring. With force of the spindle the valve will close.

In connection with our thermostats or electric and pneumatic actuators, the valves will close at rising temperatures. For cooling circuits a reverse acting double-seated valve can be used.

The quadratic characteristics will not cease until the flow has dropped below 4% of the full flow.

#### **DESIGN**

The valve components - spindle, seat, cone - are made of stainless steel. The valve body is made of nodular cast iron EN-GJS-400-15 or cast steel GH 240 GH with flanges drilled according to EN 1092-2 + EN 1092-1 ANSI B16.5 Class 150 or JIS 5K, JIS 10K, JIS 16K. The thread for the actuator connection is G1B ISO 228. The valves are single-seated and designed for tight closure. The leakage rate is less than 0.05% of the full flow (according to VDI/VDE 2174).

#### **TECHNICAL DATA**

Materials:

■ Valve body Nodular cast iron EN-GJS-400-15

Cast steel GH 240 GH

Components Stainless steel Nuts and bolts 24 CrMo 5/A4

Nominal Pressure PN25

Seating Single-seated

Valve characteristics Ouadratic

> k<sub>VS</sub> > 25  $\leq 0.05\%$  of k<sub>VS</sub>

Temperature range Flanges drilled according to

EN 1092-1 PN10/25/40 // ANSI B16.5 Class 150 //

JIS 5K, JIS 10K, JIS 16K.

Regulating capability





#### **SALES REPRESENTATION**

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