

3 WAY VALVE

LINEAR

ENGINEERED FOR
EASY MAINTENANCE

3 way linear valve is a robust and compact, premium quality control valve and actuator system, designed to precisely control water, lub oil and other industrial fluids.



INTRODUCING 3 WAY VALVE

PN 6/10/16/25/40, DN 15 - DN 300 mm

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

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



AVAILABLE CONTROL OPTIONS

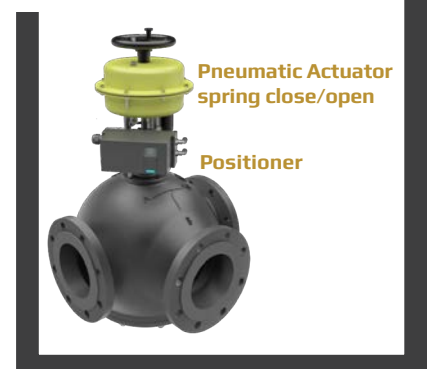
SELF-ACTING



ELECTRIC



PNEUMATIC



FEATURES

- **Robust and compact design**
- **Easy to size and select**
- **Optimized for flow stability**
- **Almost linear**
- **Two balanced single seats**
- **Regulating capability > 25**
- **Leakage $\leq 0.5\%$ of kvs**
- **For regulating of process and central heating plants**



APPLICATION

Our linear control valves are designed for regulating of water, lubricating oil and other liquid media and can be mounted in the pipe system as either mixing or diverting valves.

The valves are used in conjunction with our temperature regulators for controlling industrial processes, district and central heating plants and marine installations.

FUNCTION

Without an actuator being connected, connection A-AB is fully open and connection B-AB completely closed. By increasing pressure on the spindle, the opening of the ports changes proportionally to the travel of the spindle, and when the spindle is pressed to the bottom, connection B-AB is fully open and connection A-AB completely closed.

DESIGN

The valve components - seats and cone - are made of gun metal, the spindle is made of stainless steel. The valve body is made of nodular cast iron EN-GJS-400-15 with flanges drilled according to EN 1092-2, ANSI B16.5 Class 150 or JIS 5K, JIS 10K, JIS 16K. The connection thread for the actuator is G1B ISO 228.

TECHNICAL DATA

Materials:

■ Valve body

Nodular cast iron EN-GJS-400-15
Cast iron EN-GJS-250-15
Cast steel GP240GH
Gun metal CuSn5Zn5Pb5-C
Stainless steel AISI316

Nominal Pressure

PN 6/10/16/25/40

Valve characteristics

Almost linear

Temperature range

Max. 120 °C (160 °C option)

Flanges drilled according to

EN 1092-2 PN10/16/25 // ANSI B16.5 Class 150 // JIS 5K, JIS 10K, JIS 16K



PIONEERING TECHNOLOGY.

HEADQUARTERS

Clorius Controls A/S - DENMARK

Kajakvej 4
DK-2770 Kastrup
+45 77 32 31 30
mail@cloriuscontrols.com

SALES REPRESENTATION

Clorius Controls - CHINA

Room 1910-1911, Unicom International Tower,
NO 547 West Tian Mu Road
Shanghai 200070 P.R. China
Tel: +86 21 33 030 279 // +86 21 33 035 279

Clorius Controls - RUSSIA

BROEN Ltd.
8-ya Tekstilschikov Street 11/2
109129 Moscow, Russia
Tel: +7 495 228 1150 ext. 11-24

Clorius Controls - USA

27657 Commerce Oaks Drive
Oak Ridge North, TX 77385
United States of America
Tel: +1 (414) 243 0846

Clorius Controls - POLAND

BROEN SA
ul. Pieszcycka 10
58-200 Dzierżonów
Poland
Tel: +48 74 832 54 00

Clorius
CONTROLS