3 WAY VALVE

MINIMAL LEAKAGE MAXIMAL PERFOMANCE

Our 3 way control valve assures energy savings by reduction in oil consumption, leading to reduced cost and downtime for ships.





www.cloriuscontrols.com

WHEN LOW LEAKAGE MATTERS

MEET OUR 3 WAY ROTARY VALVE -

A game changing innovation in temperature and pressure controls. Flexible. Durable. Tighter than ever.

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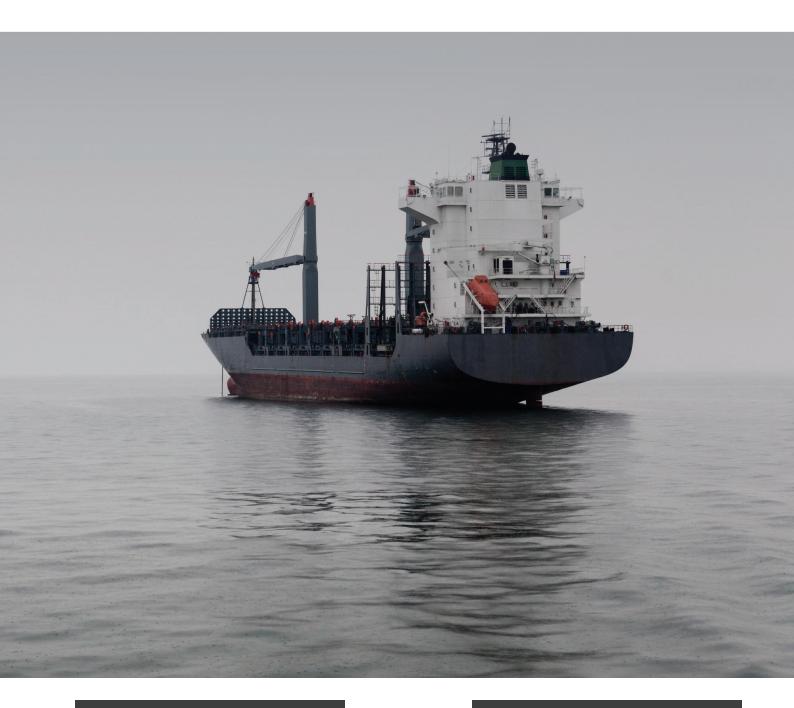
INTRODUCTING 3 WAY VALVE

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.







ROTARY 3 WAY VALVE SIZES DN 65 - DN 800

Our Rotary 3-Way valve with a slide for quarter turn operation is designed for regulating of fresh as well as sea water, lubricating oil and other liquid media.

The valve type is designed for use in conjunction with industrial processes, water systems, central & district heating, marine & offshore, and building & utility applications with large flow volumes.

The valve is designed for mixing and diverting media flows.

TYPICAL APPLICATIONS

- Engine Cooling Systems
- Waste Water Treatment Systems
- Renewable Energy Systems
- District Heating Systems
- Marine Cooling Systems
- Boiler and Heat Exchanger Systems
- Heat, Ventilation, and Air Conditioning

ELECTRONIC TEMPERATURE CONTROLS

ELECTRONIC SYSTEM

The electronic temperature and pressure control system combines an electrically actuated three-way control valve with an electronic controller and essential temperature sensor.

Microprocessor-based Controller type ER2000 for electronic temperature control is used for constant temperature control. It is suitable for all heating and cooling control systems. The ER2000 is a single loop controller which is intended for marine installations and other industrial applications - such as cooling water and lubricating oil installations, flow temperature control etc.

Microprocessor-based Controller type ER3000 Electronic Temperature Control is used where conventional single loop controllers cannot maintain a constant and precise temperature.

The ER2000 and ER3000 controllers are designed for panel mounting and are fully programmable, which allows for uncomplicated system configuration.

The valve is designed for mixing and diverting media flows for large flow control systems.



SELECTING YOUR SOLUTION >>>



PNEUMATIC TEMPERATURE CONTROLS

PNEUMATIC SYSTEM

The pneumatic temperature control system integrates a pneumatically actuated three-way control valve with a pneumatic controller and temperature sensor and a pneumatic-pneumatic positioner. The pneumatic system is especially suitable when there is lack of electricity or when a fail-safe system is required.

ELECTRO-PNEUMATIC SYSTEM

The electro-pneumatic temperature control system utilizes both electric and pneumatic technology, composed of a pneumatically actuated three-way control valve and electro-pneumatic positioner.

PERFECTED FOR HARSH ENVIRONMENTS

Clorius Controls EPR/PPR Electro-pneumatic/ pneumatic-pneumatic positioner is a rugged control device especially suited for harsh environments and engineered to meet the highest and most demanding control performance that the process industries of today require.

The AD/ADHW pneumatic actuators are made according to the Scotch Yoke principle, which is characteristic for its high torque when required - at the beginning and at end of each operation. This increases safety and reduces the energy consumption. The filter regulator, equiped with auto drain is protecting the positioner from dust, water and oil particles in the compressed air supply. With the backflow function it incorporates a mechanism to exhaust the air pressure in the outlet side reliably and quickly.



SELECTING YOUR SOLUTION >>>



TECHNICAL DATA // MATERIALS

MATERIALS

Valve body

Slide

O-ring

Leakage

Temperature range

Nominal Pressure

kys-value (Mixing valve)

k_{vs}-value (Diverting valve)

GUN METAL

NODULAR CAST IRON

Nodular cast iron EN-GSJ-400-15 Gun Metal RG5 Stainless Steel AISI316/A75H

Nodular cast iron EN-GSJ-400-15 Gun Metal CuAl10Fe5Ni5 Stainless Steel AlSI316/A75H

Nitrile rubber

Less than 0.5 %

Max. 100 °C (option 250 °C) 95 - 6200 m³/h

120 - 8000 m³/h

DN 65 - DN 125: PN 25 DN 150 - DN 300: PN 16 DN 350 - DN 800: PN 10

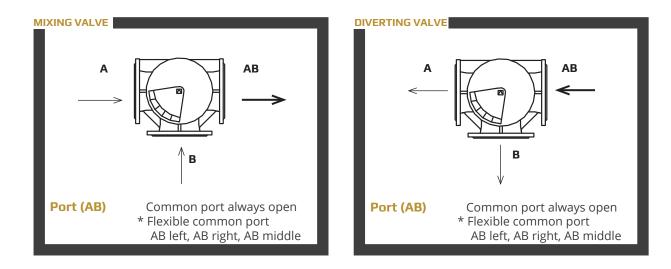
DN 65 - DN 300: PN 10 DN 350 - DN 800: PN 6

DN 65 - DN 125: PN 25 DN 150 - DN 300: PN 16 DN 350 - DN 800: PN 10

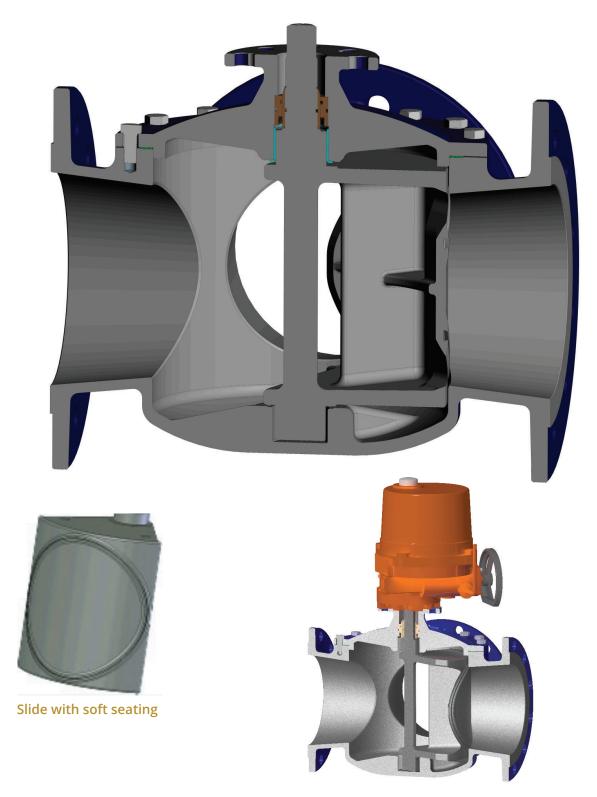
STAINLESS STEEL

Flanges

EN 1092-2 PN 10/16 / JIS B 2210 5k / ANSI 150 / GROOVED JIS B 2210 10k JIS B 2210 16k



SECTIONED 3 WAY VALVE>>>



3 WAY VALVE - ROTARY | 11



PIONEERING TECHNOLOG

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