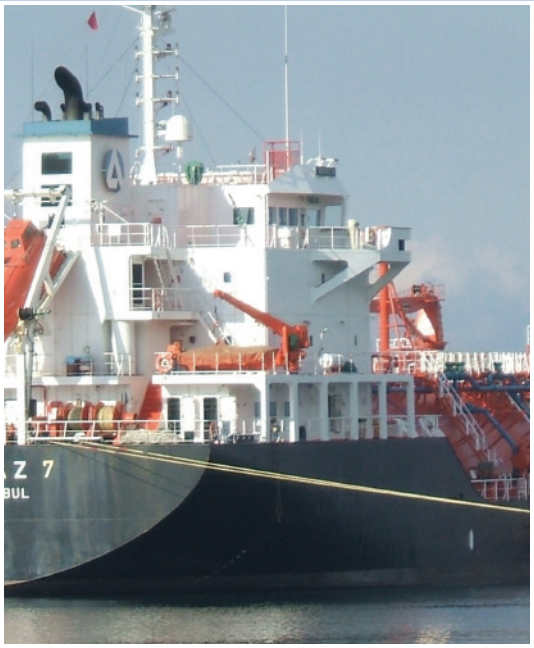
Optimise your temperature control

Fast response, low pressure drop valves
for tighter temperature control



3-Way Temperature Control Valve - Model G

Overview

amot

Introducing the **Model G**
3-Way Temperature Control Valve

The latest version of the AMOT G temperature control valve (type GG) has been designed to ease integration into the application by ensuring that, when selected for the required flow conditions, the valve flange size matches the pipe size.

- Offers the smallest envelope size, giving optimal matching to the installation piping, resulting in reduced installation times and lower installation costs
- Can be installed in any orientation
- Low pressure drop rotary valve design
- Offers a direct replacement to the GEF and GPD type valves, with no extra parts required
- Lightweight, compact and port configurable

G Valve
Electric

EB Actuator

EB Actuator

The AMOT EB electric actuator offers a range of enhancements that improve system robustness, safety and compatibility, while simplifying installation and calibration.

- Redesigned to exceed the requirements of IACS marine class on-engine specification
- GL Type Approved
- Extermal terminal box provides easy access for customer wiring
- Configurable 4-20mA, 1-5V, 2-10V voltage control input to facilitate use with a wide range of control systems
- Longer working life has been designed into the EB actuator by replacing the position feedback potentiometer with a contactless Hall Effect sensor
- Available in 115V/230V switched live as standard. A positioner can be added to provide control and feedback signals eg 4-20mA, 1-5V, 2-10V
- Switched mains position control as standard, optional positioner gives signal control
- Positioner can be configured using on-board DIP switches

System Types

The new Model G 3-Way Temperature Control Valve is an integral part of your electric, pneumatic or electro-pneumatic system. The Electric G Valve System is simple to install with standard multi core cable. The Pneumatic G Valve System is ideal when there is a lack of electricity or when a fail-safe system is needed. The Electro-Pneumatic System combines the features and functionality of the AMOT electronic control system with the fail-safe action benefits of a pneumatically actuated valve. The positioner on both electric and electro-pneumatic versions allows direct connection for control by an engine management system.

Typical Stand-Alone Electric System

PID Valve Controller 8071/8072D

- Fully programmable PID-based control - allows easy system configuration
- Universal inputs; RTD's, thermocouples, or standard 4-20mA or 0-10V signals give maximum system design design flexibility
- Can be operated manually - easy to use and set up
- Optional remote setpoint adjustment and process value transmit

3-Wire PT 100 Temperature Sensor - 8060

- Accurate temperature measurement
- Excellent long term stability
- Good linearity

Temperature Probe 8060

PID Valve Controller 8072D

G Valve Electric

Typical Stand-Alone Electro-Pneumatic System

Electro-Pneumatic Converter - 8064A or 8064C

- High vibration resistance - meeting Lloyds Register on-engine standard (8064A)
- Adjustable zero and span
- ATEX hazardous area certification

PID Valve Controller 8071D/8072D

- Fully programmable PID-based control - allows easy system configuration
- Universal inputs; RTD's thermocouple, or standard 4-20mA signal gives maximum system design flexibility
- Can be operated manually - easy to use and set up
- Optional remote setpoint adjustment and process value transmit

3-Wire PT 100 Temperature Sensor - 8060

- Accurate temperature measurement
- Excellent long term stability
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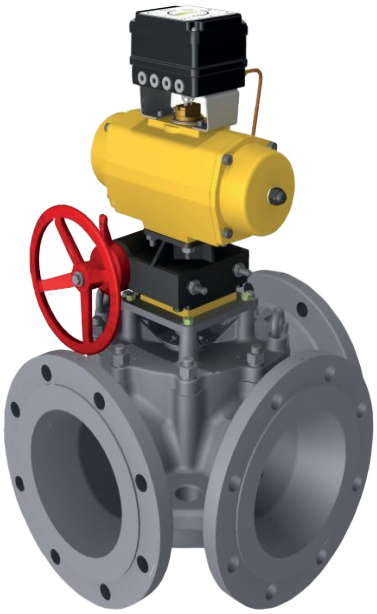
Temperature Probe 8060

PID Valve Controller 8071D

Electro-Pneumatic Converter 8064A



G Valve Pneumatic

Typical Applications

For engines, turbines, gearboxes and heat exchangers:

- Charge air cooling (LT Low Temperature Circuits)
- Secondary cooling systems
- Fuel and lube oil preheating
- Co-generation (Heat Recovery Circuits)
- Engine jacket water (HT High Temperature Circuits)

For refineries, chemical plants and oil reproduction:

- Waste heat boilers
- Product coolers
- Product heaters
- Product condensers

G valve compared with a typical equivalent competitor's specification.

AMOT has been a pioneering manufacturer of quality components for rotating machinery since 1948. We currently have three manufacturing sites and five sales offices positioned strategically around the world to support our customers and distributors.

AMOT recognises the key to your business is keeping your equipment operational and minimising downtime. We continue to work closely alongside the technical teams of our customers to ensure our solutions meet their ever-changing needs.

Our manufacturing plants are ISO 9001 accredited and many of our products have industry standard certification such as LR, ABS, DNV, GL and BV.

Companies trust in AMOT

Hapag-Lloyd

MAN

GEDEN LINE

SIEMENS

METROSTAR

WÄRTSILÄ

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