

## 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, the valve size is the same as 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
- Offers a lightweight, compact and port configurable design



G Valve - Electric



G Valve - Pneumatic



more compact  
than the competition



# New EB Actuator

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

- Redesigned for vibration resistance to Lloyd's on-engine specification
- Easily accessible terminal box for customer wiring
- Configurable 4-20 mA or 1-5 V 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
- An optional potentiometer is available for compatibility with existing systems
- Switched mains position control as standard, optional positioner gives signal control
- The positioner power module has universal mains voltage input



# 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 4-20 mA or 0-10 V signals give maximum system design design flexibility
- Can be operated manually - easy to use and set up



G Valve - Electric

### 3-Wire PT 100 Temperature Sensor - 8060

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



PID Valve Controller 8072D



Temperature Probe 8060

## Typical Stand-Alone Electro-Pneumatic System

### Electro-Pneumatic Converter - 8064A or 8064C

- High vibration resistance - Lloyds 4G (8064A)
- Adjustable zero and span
- ATEX hazardous area certification



G Valve - Pneumatic

### PID Valve Controller 8071D/8072D

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

### 3-Wire PT 100 Temperature Sensor - 8060

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PID Valve Controller 8071D



Electro-Pneumatic Converter 8064A



Temperature Probe 8060

# 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



## Efficient, cost-effective, relevant solutions

**AMOT** has been a pioneering manufacturer of quality components for rotating machinery since 1948. AMOT currently has manufacturing sites and sales offices positioned strategically around the world to support new build, ship owners and operators globally.

AMOT recognizes the key to your business is keeping your equipment operational and minimizing 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.

**amot**

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