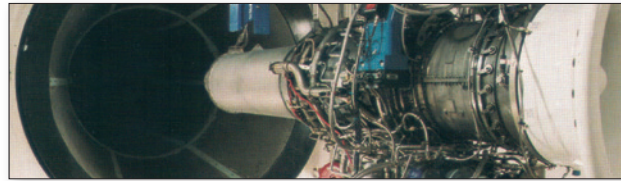


# Turbine Solutions



Steam Turbines



Gas Turbines



Electric Turbines

## Liquid Temperature Control Valves

- **Self-contained**  
Simple, rugged  
Integral temperature sensing elements  
Low maintenance  
Install in a variety of environments
- **Actuated**  
Electrically or pneumatically actuated  
Fast response  
For tighter temperature control, remote temperature sensing and low pressure drop applications  
Easy system integration and positioning
- **Custom Valves**



## Pneumatic Panel Components

- For use in manual and automatic hydraulic and pneumatic turbine control systems
- Superior resistance in extreme or highly corrosive environments



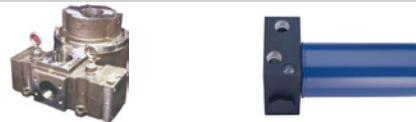
## Fuel Gas Control & Shut-off Valves

- Fuel Metering Control Valves for accurate gas fuel control and metering in industrial and aeroderivative gas turbines
- Air Start & Fuel Shutoff Valves designed to instantly shut off fuel supply to a turbine in an emergency or overspeed situation



## Integrated Lube Oil Temperature & Pressure Control

- Combines temperature control, pressure control, relief valve and filter connections into a single valve



## Oil Condition Monitoring

- Metal particle detectors to detect the presence of metal particles in non-conductive lubrication liquids



## Sensors and Switches

- Rugged, field-proven temperature, pressure, vibration for control and monitoring systems
- Integral part of hydraulic and pneumatic systems for steam pressure management, over-pressure protection and vibration monitoring



## Commissioning and Service

A manufacturer of quality components for rotating machinery since 1948, AMOT currently has three manufacturing sites and five sales offices positioned strategically around the world to support turbine operators globally. Our manufacturing plants are ISO 9001 accredited and many of our products have industry standard certification.

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.

AMOT has dedicated service centres and partners around the world who install, commission and service our range of products and systems. Our engineers also offer technical support and product training.

# Turbine Solutions - Quick Reference Guide

## Liquid Temperature Control Valves

### ● Internally Sensed, Thermostatic, 3-Way Valves

Model	Description
B	sizes: DN40 to DN50 (1½ to 2") threaded DN40 to 200 (1½ to 8") flanged rates: 15 to 400 m³/hr (68 to 1200 US gpm)
C	sizes: DN15 to DN40 (½ to 1½") threaded DN40 (1½) flanged rates: 1.4 to 12 m³/hr (6 to 54 US gpm)
D	sizes: DN200 (8") flanged rates: 363 to 647 m³/hr (1600 to 2850 US gpm)
E	sizes: DN40 (1½") threaded or flanged rates: 8 to 18.3 m³/hr (35 to 79 US gpm)
H	sizes: DN100 to DN150 (4 to 6") flanged rates: 75 to 280 m³/hr (330 to 1232 US gpm)
J	sizes: DN20 (¾") threaded rates: 2 to 8 m³/hr (9 to 35 US gpm)
R	sizes: DN20 to DN80 (¾ to 3") weld rates: 3 to 60 m³/hr (13 to 264 US gpm)

### ● Externally Sensed 2-Way Valves

Model	Description
2470	sizes: DN25 (1") rates: 2 to 8 m³/hr (10 to 35 US gpm)

### ● Actuated 3-Way Valves

Model	Description
GE	electric actuation sizes: DN50 to DN450 (2 to 18") rates: 8 to 2870 m³/hr (35 to 12635 US gpm)
GP	pneumatic actuation sizes: DN50 to DN450 (2 to 18") rates: 8 to 3066 m³/hr (35 to 12635 US gpm)
GG	sizes: DN50 to DN200 (2 to 8")* rates: 8 to 720 m³/hr (35 to 3170 US gpm)
8060	RTD temperature sensor – NEMA 4
8064	electronic-pneumatic (I/P) Converter
8071	panel mount PID controller
8072	wall mount PID controller
8073	solid state relay module
SG80	pneumatic controller

\* DN250 to DN450 (10 to 18") GG available in 2015, flow rates per GE/GP

## Pneumatic Panel Components

### ● 3 & 4 Way Valves

Model	Description
4057	aluminum 3-way manual or pilot valve
4457	stainless 3-way manual or pilot valve
4058	aluminum 4-way manual or pilot valve
4458	stainless 4-way manual or pilot valve

### ● Indicators

Model	Description
4054	trip indicator
4229	pneumatic indicator
4429	stainless pneumatic indicator

### ● Indicating Relays

Model	Description
2400D	pneumatic indicating relay
2400M	space saver pneumatic indicating relay
4400M	stainless space saver indicating relay

## Integrated Lube Oil Temperature & Pressure Control w/ Integrated Filter

### ● Manifold Valves

Model	Description
4500	temperature / pressure / relief size: 4" rates: 280 - 500 gpm
4501	temperature / pressure / filter / relief size: 2" rates: 63 - 120 gpm
4504	temperature / pressure / filter / relief size: 3" rates: 120 - 250 gpm

### ● Filterstat Valves

Model	Description
FJA	w/ filter differential pressure switch Sizes: ½ & ¾" rates: 2 - 20 gpm
FET	w/ heat exchanger relief valve Sizes: 1¼ & 1½" rates: 40 - 75 gpm
FE	w/ integral filter relief valve Sizes: 1¼ & 1½" rates: 40 - 75 gpm
FED	dual filter w/ integral filter relief Sizes: 1¼ & 1½" rates: 40 - 75 gpm

## Oil Condition Monitoring

### ● Metal Particle Detectors

Model	Description
MPD2	stainless steel metal particle detector

## Sensors & Switches

### ● Temperature

Model	Description
2230	2-way temperature sensing valve
4075	2-way high temperature sensing valve
4140	temperature/pressure switch
4253	explosion proof, single point temp switch
4270	thermocouple & RTD – 316SS
4271	thermocouple & RTD – spring loaded
4303	eutectic temperature switch
4330	temperature sensing switch
4375	high temperature switch
8060	RTD temperature sensor – NEMA 4
8253	vibration resistant temperature switch
8254	vibration resistant hi temperature switch

### ● Pressure

Model	Description
1672	pressure sensing valve
4023	3-way high pressure sensing valve
4047	low pressure valve
4064	differential pressure sensing valve
4140	pressure/temperature switch
4143	differential pressure valve
4343	differential pressure switch
4364	differential pressure sensing switch
4372	pressure sensing switch
4423	3-way SS high pressure sensing valve
8252	vibration resistant pressure switch

### ● Vibration

Model	Description
4109	vibration switch - pneumatic or electric
5550	vibration switch – hazardous area
ST5484	2-wire vibration transmitter

## Fuel Gas Control & Shut-off Valves

### ● Fuel Metering Control Valves

Model	Description
8402	gas fuel control valve, sizes: 1, 2, & 3"

### ● Air Start & Fuel Shut-off valves

Model	Description
2180E	diaphragm operated gas valve 2 & 3" in ductile iron, steel
2410	2-way vented valve ½" in aluminum
4418	2-way high pressure valve 1, 1½, & 2" stainless steel
4420	turbine fuel shutoff valve 2 & 3" stainless steel

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