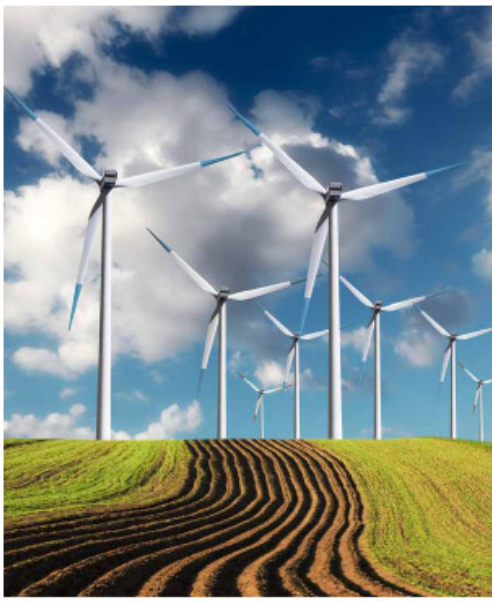
How efficient is your temperature control?

Prime movers need reliable temperature control to enable fast warm up, accurate control and efficient operation, minimizing emissions and maximizing output



Thermostatic Valve Solutions
Overview

amot

APPLICATIONS PRODUCTS INDUSTRIES CUSTOMER SUPPORT BRANDS FIND DISTRIBUTOR PARTS

Welcome to AMOT

AMOT works with original equipment manufacturers and oil and gas companies to design and develop safety products and solutions for engines, compressors, turbines and other rotating equipment. Our product families include valves, electric and pneumatic instrumentation, control and condition monitoring systems and hazardous area safety products.

- **Valves** - thermostatic control, temperature control, fuel metering, diesel engine air intake shut off, fuel shut off and air start valves
- **Electronic** & **Pneumatic Instrumentation** - temperature, pressure, vibration, speed and pneumatic panel components
- **Condition Monitoring Systems** - bearing condition monitoring, water in oil sensors, shaft-line earthing, metal particle detectors
- **Hazardous Area Products** - temperature, pressure, vibration, speed, spark arrestors and alternators

Product Highlight

4418F Stainless Steel High Pressure 2-Way Valve

Model 4418F has been designed to be used as an air start valve for diesel engines or as a fuel shut-off valve for gas turbine applications.

News

4/8/2014 - Air intake shutoff valve provides quick, reliable protection from engine overspeed

Corrosion, fluid, dust and debris can reduce the accuracy, reliability, durability and useful life of an air intake shutoff valve. Our next generation 4260E valve was engineered to prevent these...

12/15/2013 - Detect Metal Particles in Lubricating Oils

The AMOT Metal Particle Detector (MPD) alerts operators to perform oil condition checks to determine machinery health status. The MPD is an in-line continuous wear debris monitor that signals the...

Brands

CHALWYN

RODADEACO

RIGSAVER

AMOT is a wholly-owned subsidiary of Roper Industries Inc. (NYSE: ROP) a publicly traded company. More Information

Actuated Temperature Control Valves & Accessories

Three-way, actuated temperature control valves - electric and pneumatic actuation; wide range of Sizes 2" to 18"; Flow ranges: 37 to 8300 GPM.

Model G 3-Way Rotary Valve (2" to 18" | DN50 to DN450)

Flow to:	3000m3/hr	(13,200 us gpm)
Sizes:	50mm to 400 mm	(2" to 16")
Rotor material:	Bronze or stainless steel	
Rotor shaft:	Stainless steel	
Shaft seal material:	Viton rubber (GEF)	Nitrile or Viton (GPD)

For complete specifications, click on documentation tab to select a datasheet.

8071D Panel Mount Controller

Controller type:	Fully configurabel PID with digital filtering and selectable parameter sets		
Input:	Universal sensor input	2 or 3 wire RTD, TC, 4-20mA selectable	
Input sensing range:	Selectable as required	Max. -200 to 850°C	-328 to 1562°F
Supply:	93 to 263 VAC, 48 to 63Hz @8VA Quiescent		
Input accuracy:	RTD within 0.05% TC within 0.25% 4-20mA within 0.1%		
Environmental:	0 to 50°C operational		
EMC:	EN 61326 Class B		
Solid state relay:	25A rated, opto-isolated, zero-cross switching 600V pk-pk		

See datasheet for complete specifications.

8072D Bulkhead Mount Controller

Controller type:	Fully configurable PID with digital filtering and selectable parameter sets
Input:	Universal sensor input 2 or 3 wire RTD, TC, 4-20mA selectable
Input sensing range:	Selectable as required Maximum -200 to +850°C (-328 to 1562°F) Typical setting: 0° to 120°C
Supply:	93 to 263 VAC, 48 to 63Hz @8VA Quiescent
Input accuracy:	RTD within 0.05% TC within 0.25% 4-20mA within 0.1%
Input sampling:	50 to 250ms interval (user configurable) Dynamic resolution up to 16 bit
Environmental:	00 to +500°C operational -40 to +70°C (40 - 158°F) storage RH<90% (non condensing)

See datasheet for complete specifications.

8060 3-Wire PT100 Temperature Sensor

Temperature range:	-100 to 250°C	-150 to 482°F
Accuracy:	IEC 751:1983	BS EN60751:1996 Class B
RTD:	3 wire platinum	100 Ohm element
Connection head:	Heavy duty aluminum	IP67
Conduit thread:	M20, PG 13.5" or 16", 1/2 NPT	
Thermal well:	Stainless steel	
Installation thread:	1/2" BPS, Tr, 1/2" NPT	
Terminations:	Threaded	

See datasheet for complete specifications.

Selecting the right Thermostatic Control Valve

Selecting the right thermostatic control valve requires specific information about the application and engine:

- Application
- Fluid and flow rate
- Control temperature
- Body material and connection
- Maximum working pressure (MWP)

Model	Sizes and Connections	Flow Rate	Body Material	Control Temperature	Maximum Working Pressure (MWP)
B	DN40 to DN50 (1½" to 2") threaded DN40 to 200 (1½" to 8") flanged	15 to 400 m³/hr (68 to 1750 US gpm)	Cast iron, ductile iron, aluminum, steel, stainless steel	13 to 116°C 55 to 240°F	Up to 45 bar (655 psi)
C	DN15 to DN40 (½" to 1½") threaded DN 40 (1½") flanged	1.4 to 12 m³/hr (6 to 54 US gpm)	Cast iron, bronze, aluminum, steel or stainless steel	18 to 113°C 65 to 230°F	Up to 72 bar (1050 psi)
E	DN40 (1½") threaded or flanged	8 to 18.3 m³/hr (35 to 79 US gpm)	Cast iron, bronze, steel or stainless steel housings	29 to 114°C 85 to 237°F	Up to 69 bar (1000 psi)
H	DN100 to DN150 (4"to 6") flanged	75 to 280 m³/hr (330 to 1232 US gpm)	Steel or stainless steel housings	13 to 116°C 55 to 240°F	Up to 45 bar (655 psi)
J	DN20 (¾") threaded	2 to 8 m³/hr (9 to 35 US gpm)	Aluminum or bronze housings	18 to 113°C 65 to 230°F	Up to 24 bar (350 psi)
R	DN20 to DN80 (¾" to 3") weld	3 to 60 m³/hr (13 to 264 US gpm)	Steel	35 to 82°C 95 to 180°F	Up to 35 bar (500 psi)

Exclusive Distributor:

MV RESOURCES (FE) PTE LTD

31 Benoi Road (Pioneer Lot), Singapore 627778
Tel: +65 67763233 Fax: +65 67753233
Website: www.mvfareast.com.sg
Sales Manager: Mr Sean Lim
Mobile: +65 91198320
Email: sean@mvfareast.com.sg