

## 2 Way Thermostat valve

Parker Technical Specification No.: TS- 14-A04

Rev. : A0

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Release by : Gene Gou

### Functional Specifications:

Valve type	Thermostat Valve
Working temperature of Thermal actuator	+30°C to +40°C (+86°F to +104°F)  (Other range available)
Response time of Thermal actuator	90 Sec (Submerged in +40°C water)  90 Sec (Submerged in +20°C water)
Fluid media	Natural Gas Coolant(Engine)
Mounting position	Any orientation
Kv factor	Natural Gas: 40L/min Coolant(Engine): 25L/min
External Leakage(Gas)	Less than 2cc/min. at 10 kgf/cm <sup>2</sup>  Less than 2cc/min. at 7 kgf/cm <sup>2</sup>  Less than 5cc/min. at 4 kgf/cm <sup>2</sup>
External Leakage(Coolant)	
Internal Leakage (Coolant)	

### Actual photo:



### Physical Specifications:

Body Material	Natural Gas Body: Brass Coolant Body :Al
Thermal actuator	NBR, Stainless steel 304, Brass
Seal Material	EPDM
Piston, Spring	POM, Stainless steel 304
Process Connection	Natural Gas: SAE 070427



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Coolant(Engine): 1/2" NPSF

Mounting Connection

M6×1 (Ø7 available)

**Operating Specifications:**

Maximum Pressure

Natural Gas: 10 kgf/cm<sup>2</sup>Coolant(Engine): 4 kgf/cm<sup>2</sup>

Operating Temperature

- 40°C to 125°C ( - 40°F to 257°F)

**Applications:**

LNG engine System, realize the heavy truck and bus transportation.

LNG must be vaporized to be used for the engine, and the engine coolant is choice of heat source. A heat exchanger is utilized to prevent the gas to an acceptable temperature. At low fuel flow rates through the heat exchanger, a thermostat is required to prevent heating of gas to above an acceptable temperature.

**Dimensions:**