

# ThermoStasis

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*ThermoStasis manufactures Oil Temperature Controls (OTCs) for automotive, marine and industrial applications. ThermoStasis OTCs, also known as oil thermostats, can be installed to reduce the warm-up time and control the minimum operating temperature of lubricating, transmission or hydraulic oils. Our OTCs are designed to offer maximum reliability in service through the use of close-tolerance CNC machined housings and high quality components. ThermoStasis products feature a low bypass design that ensures maximum cooling efficiency.*

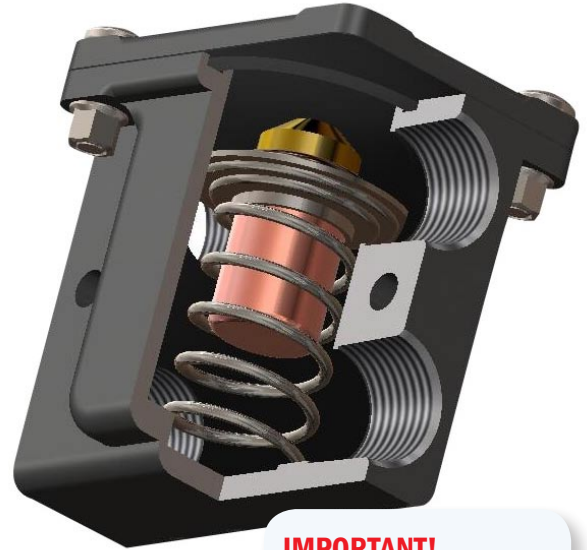
Send a close-up digital image of your installation to [sales@thermostasis.com](mailto:sales@thermostasis.com) and if we use it on our website **WE'LL SEND YOU \$50!**

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## OIL TEMPERATURE CONTROL DATA SHEET

### Product Features:

- Compact design for minimum size & weight
- High reliability – high quality components
- Low bypass design for maximum cooling in high ambient temperatures - 98% of total oil flow passes through oil cooler
- CNC machined aluminum 6061-T6 housing with type 2 anodized surface finish
- CNC thread-milled AN-ORB or NPT ports
- Aircraft grade hardware: MS27039 machine screws and MS21042 all-metal stop nuts
- Calibrated thermal motor
- VITON O-ring & stainless steel return spring
- 3/16" diameter mounting holes



### Function:

ThermoStasis Oil Temperature Controls operate by automatically regulating oil flow through an external oil cooler or other cooling device.

- If the temperature of the oil entering the OTC is cooler than the OTC's operating temperature, the internal oil bypass remains open, allowing the incoming oil to bypass the oil cooler and return directly to the engine, transmission, or hydraulic circuit, significantly reducing the time required for the oil to reach the desired operating temperature.
- As the oil reaches the desired operating temperature, the internal bypass partially closes, automatically regulating and controlling flow through both the internal bypass AND the external oil cooler so that the desired operating temperature is maintained.
- If the incoming oil temperature is higher than the OTCs operating temperature, then the Oil Temperature Control's internal bypass will close completely, directing 98% of the total oil flow through the oil cooler to maximize cooling efficiency. Under these conditions, the oil temperature is limited ONLY by the cooling capacity of the external oil cooler or other cooling device.

### IMPORTANT!

ThermoStasis OTCs efficiently control the MINIMUM operating temperature of lubricating, transmission or hydraulic oils.

*To control the MAXIMUM operating oil temperature, it is essential that your installation incorporate an oil cooler or other cooling device that is sized for adequate cooling under all possible operating conditions and ambient temperatures.*

PART NUMBER	PORT TYPE	OPERATING TEMPERATURE	OIL LINE I.D.		DIMENSIONS			WEIGHT	
			MIN.	MAX.	L	W	H	OZ.	GM.
06-H-170	AN-6 ORB	170°F / 77°C	3/8"	1/2"	2.1"	1.5"	2.4"	6.2	176
P6-H-170	3/8" NPT	170°F / 77°C	3/8"	1/2"	2.1"	1.5"	2.4"	6.2	176
06-H-180	AN-6 ORB	180°F / 82°C	3/8"	1/2"	2.1"	1.5"	2.4"	6.2	176
P6-H-180	3/8" NPT	180°F / 82°C	3/8"	1/2"	2.1"	1.5"	2.4"	6.2	176
06-H-190	AN-6 ORB	190°F / 88°C	3/8"	1/2"	2.1"	1.5"	2.4"	6.2	176
P6-H-190	3/8" NPT	190°F / 88°C	3/8"	1/2"	2.1"	1.5"	2.4"	6.2	176
06-H-205	AN-6 ORB	205°F / 96°C	3/8"	1/2"	2.1"	1.5"	2.4"	6.2	176
P6-H-205	3/8" NPT	205°F / 96°C	3/8"	1/2"	2.1"	1.5"	2.4"	6.2	176
06-10-190	AN-10 ORB	190°F / 88°C	1/2"	3/4"	2.5"	1.9"	2.9"	12.1	343
06-10-205	AN-10 ORB	205°F / 96°C	1/2"	3/4"	2.5"	1.9"	2.9"	12.1	343
06-10-215	AN-10 ORB	215°F / 102°C	1/2"	3/4"	2.5"	1.9"	2.9"	12.1	343