

GearZmo™

Vapor Trail Racing LLC

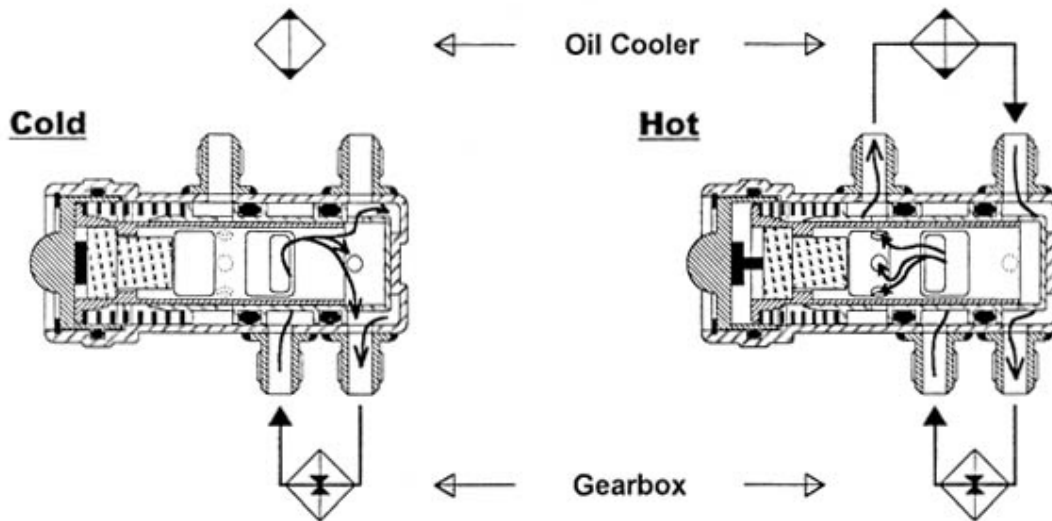
1690 South Abilene, Suite 110
Aurora, CO 80012-5820

Toll-Free: 800 597 2304
Voice: 303 309 6402
Fax: 303 309 6401

www.vaportrailracing.com

Gearbox Oil Temperature Control Valve

A compact, lightweight automatic multiport thermostat designed to maintain gearbox oil temp. Splices into both the gearbox/oil cooler supply and return lines, and then provide an automatically actuated secondary by-pass flow circuit. By-pass is activated when fluid temperature drops below the predetermined setpoint. The valve incorporates a vector-neutralized, dual-acting, floating slide diverter powered by a singular, changeable aircraft grade wax motor actuator. The valve movement is accessible through a side entry so that it can be quickly and easily removed, adjusted and inspected without disconnecting the plumbing connections. This valve is designed to operate service-free through an entire racing season.



Specifications:

Plumbing Connections:	AN 6 OR AN 8 (Nominal 37 deg Male Flare)
Major Dimensions:	3.2. Run X 4.5. Height X 2.0. Cylinder OD
Dry Weight:	12 Oz
Fluid Communication:	COLD: By-Pass Cooler / HOT: Through Cooler
C.:	COLD: 1.5 / HOT: 1.3
Reaction Time:	20 Seconds
Stroke:	2 - Position / .250. Linear / 30 Seconds / Anti-Shock
Freeplay:	.250.
Valve Body:	# 6061 T-6 Alum / Anodized
Valve Movement:	# 6061 T-6 Alum / Electroless Nickel Plated
Elastomeric Seals:	Viton 70 Durometer / Static
Flow Diverter:	Dual-Acting Diverter Slide / Non-Positive
Power Element:	Singular Custom Aircraft Wax Motor Actuator
Available Temp Settings:	180 260 ° F / 5° F Increments
Spring:	Leaf Cluster / 17-7 PH SS / Preloaded to 34 lbs
Pressure Rating:	150 PSI
Max Operating Temp:	350 ° F

Don't lose your cool!