

The RE•AK•TOR™

Vapor Trail Racing LLC

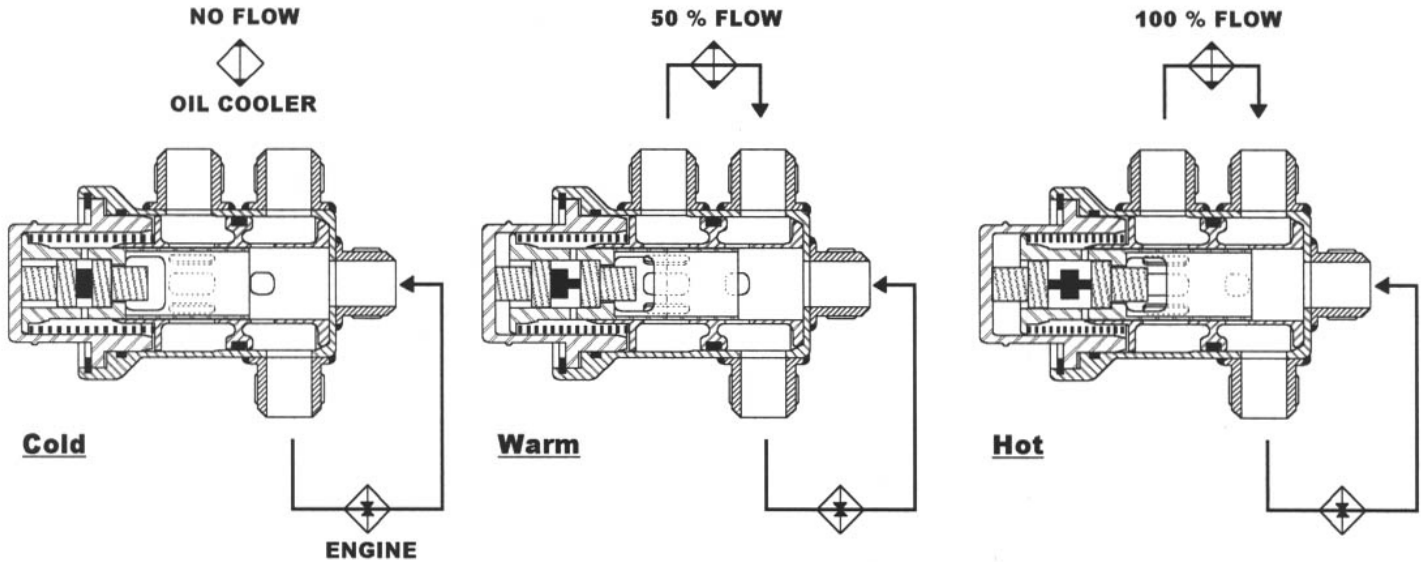
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Engine Oil Temperature Control Valve

A compact and lightweight automatic thermostatic by-pass valve, designed to maintain a desired optimum engine oil temp. Splices into the oil cooler (or heat exchanger) supply and return lines, and then provides an automatically controlled, secondary **internal by-pass flow circuit**. The REAKTOR incorporates a vector-neutralized, dual-acting, floating slide diverter. Flow diversion is powered by dual, changeable aircraft grade wax motor actuators, set to actuate at two different temperatures and provide **THREE TEMPERATURE-DEPENDENT POSITIONS: Full By-Pass, 50% By-Pass, and No By-Pass**. 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 12 OR AN 16 (Nominal 37 deg Male Flare)
Major Dimensions:	5.0" Run X 7.3" Height X 2.750" Cylinder OD
Dry Weight:	33 Oz
Fluid Communication:	COLD: By-Pass Cooler / HOT: Through Cooler
Reaction Time:	20 Seconds
Stroke:	3 - Position / .500" Linear / 30 Seconds / Anti-Shock
Freeplay:	.700"
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:	Dual Custom Aircraft Wax Motor Actuators
Available Temp Settings:	180 260 ° F / 5° F Increments
Spring:	Leaf Kluster / 17-7 PH SS / Preloaded to 24 lbs
Pressure Rating:	150 PSI
Max Operating Temp:	350 ° F