



# A&D VALVE REQUEST FORM

## CUSTOM THERMOSTATIC VALVES

The application parameters below will be used to determine the correct Part Number.

**Contact Name:**

**E-Mail:**

**Project Name:**

1. Briefly describe the intended use and application:

2. Do you need a: Complete Valve Assembly with the housing/body included?  
Cartridge Only with a STEP file to build your own manifold?

MINIMUM

MAXIMUM

3. Design Temperature Extremes (Survival Only) (°F)
4. Operating Temperatures (Fully Functional) (°F)
5. Design Pressure Extremes (Survival Only) (psi)
6. Operating Pressures (Fully Functional) (psi)
7. Desired Flow Rate (gal/min)
8. Allowable Pressure Drop (psi)

9. Do you need to **DIVERT** fluid based on temperature, or do you need to **MIX** two fluids to reach a desired temperature?

10. What type of fluid will flow through this valve?

## Brand/Type?

Water Ratio? (%)

HTS Oil? (High Temperature Stability)

DI Water Used?

- ### 11. Allowable envelope dimensions?

12. Maximum allowable weight? (lbs)

13. Do you need lock-wire holes or Click-Loc®?

14. Do you require the materials to be fully TRACED?

15. Will Buy American Act (FAR 52.225-9), DFARS Restriction on Acquisition of Specialty Metals (DFARS 252.225-7009) or any other sourcing restrictions apply to this product?

16. Please select the acceptable materials for the elastomers, if known. Also, please note if any of these materials are preferred. If you are uncertain, we can help!

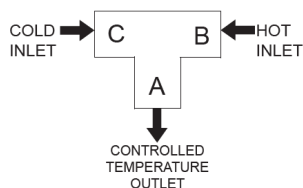
	ACCEPTABLE	PREFERRED
	Buna-N	
	EDPM	
	Viton® / Fluorocarbon FKM	
	Fluorosilicone FVMQ	
	GLTS / VM125 Viton® AMS-7287	
	Kalrez® FFKM (or equivalent)	

17. Please select the acceptable metals, if known. Also, please note if any of these metals are preferred. If you are uncertain, we can help!

	ACCEPTABLE	PREFERRED
	Bronze (CDA836)	
	Brass (CDA360)	
	303 Stainless Steel	
	316 Stainless Steel	
Other:		

18. For MIXING Applications ONLY:

What is your desired Controlled Outlet Temperature? (°F)



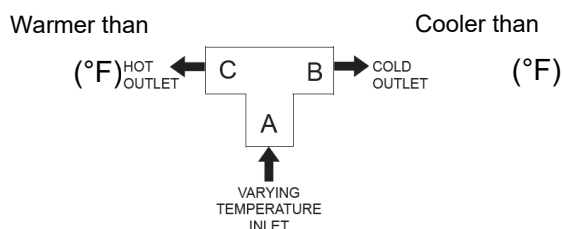
Max  $\Delta P$  between  
Cold & Hot  
Inlets?

(°F)

(psi)

For DIVERTING Applications ONLY:

At what temperature (°F) should the fluid be fully diverted to the HOT OUTLET (C)?  
At what temperature (°F) should the fluid be fully diverted to the COLD OUTLET?



19. Passivation required?

20. Do you any additional special processes not listed? Please describe the type, method, class, and any additional standards.

21. Is serialization required?

22. Please describe any other exposures requiring compatibility:

23. What quantities would you like us to quote?

24. Please provide any additional details or requirements we should know about regarding this request:

# ***ThermOmegaTech Internal Use Only:***

Selected Part Numbers for Quote:

Selected Wax Temperatures for Quote:

Action Items for ThermOmegaTech:

Action Items for Customer:

Additional Notes: