

# A&D VALVE REQUEST FORM

## CUSTOM THERMOSTATIC VALVES

There are many variables in the design of a valve. The application parameters below will be used to consider a standard or custom design for the device. Please provide the following information for our evaluation and recommendations. Send this form and any additional drawings to: [lindar@ThermOmegaTech.com](mailto:lindar@ThermOmegaTech.com)

**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?
  - Cartridge Only with a referral to our trusted partner to design/build your 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?

Mixing Ratio? (%)

HTS Oil? (High Temperature Stability)

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)		

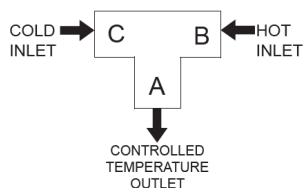
17. Please select the acceptable metals, if known. Also, please note if any of these metals are preferred. If you are uncertain, we can help!

	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)



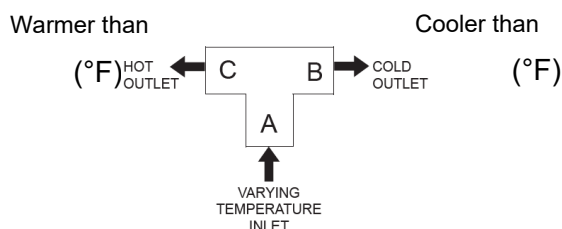
Max  $\Delta P$  between  
Cold & Hot  
Inlets?

(°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. Do you require either of these special processes? Passivation Electropolishing

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: