ThermOmegaTech®

VALVE OR ACTUATOR REQUEST

CUSTOM THERMOSTATIC VALVES AND ACTUATORS

There are many variables in the design of a valve or actuator. Specific features can be designed into the device to optimize it for an application. 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: orders@ThermOmegaTech.com

To be completed by Requestee:

Company:
Street Address:
City, State, Zip:
Country:
Contact:
Email:
Phone:
Project Name:
Submittal Date:

Internal use only:

Project lead:
Engineering lead:
Project #:
Project Name:
Approval Date:

Please check the following thermostatic options you are inquiring about:

☐ Actuator ☑ Complete Valve Assembly (housing/body included) ☐ Cartridge (installed into customer's housing/body/manifold)

Section to be completed for Actuators:

1. Briefly describe the intended use and application the actuator will be used in.
2. Stroke required; minimum and maximum allowable?
3. Load on actuator; how will the load change over the stroke range?
4. Temperature range to produce stroke?
5. Response time required?
6. Power availability, if remote activated?

Section to be completed for all options, including Actuators, if applicable:

7. If a complete valve or cartridge, please briefly describe the intended use and application.
8. Application Type? ☐ Mixing ☐ Bypass ☐ In-line ☐ Other
9. Materials of construction?
10. Primary medium exposure?

11. Other potential medium exposure requiring compatibility?
12. Normal operating temperature and pressure?
13. Minimum and maximum operating temperatures?
14. Minimum and maximum design temperatures?
15. Minimum and maximum operating pressures?
16. Minimum and maximum design pressures?
17. Valve housing/body/manifold being provided by ☐ Customer ☐ ThermOmegaTech ☐ Other
18. Valve housing/body ASME Class requirement?
19. Desired flow rate?
20. Acceptable pressure drop?
21. Life expectancy and/or number of actuations?
22. Special processes? i.e. Passivation, annealing, electropolishing, heat treat, etc. Please specify type, method, class, and any specific standards to adhere to.
23. Allowable envelope dimensions?
24. Maximum allowable weight?
25. Preferred mounting configuration?
26. Preferred connection(s)? i.e threading, fitting type, etc.
27. Vibration, shock exposure?
28. Other special requirements dictated by the application?
29. Prototype quantities: Estimated need date:
30. Production quantity year (1): Expected start of production:
31. Expected duration (years):
32. Production quantity year (2): year (3): mature:
33. Is full material traceability for all components required? ☐ Yes ☐ No
34. Material certs and/or additional certs?
35. Is serialization required? ☐ Yes ☐ No; If yes, please provide specifics:
36. Will Buy American Act (FAR 52.225-9), DFARS Restriction on Acquisition of Specialty Metals (DFARS 252.225-7009) or any sourcing restrictions apply to the resulting contract? ☐ Yes ☐ No
37. Please note, specify, and attach any additional requirements. ☐ Regulatory ☐ QA Clauses ☐ Inspection ☐ Packing ☐ Flowdown and/or ☐ Other
38. Production target price / ea. ($USD)
39. Is NRE budgeted for this project? ☐ Yes ☐ No; If yes, specify amount?
40. Please provide any additional details we should know about regarding this request.