## POWERS PROCESS CONTROLS

Quality...Our Commitment

## Regulator **Application Data Sheet**

Form ADS#11FW V2

An ISO 9001 Registered Company

Selecting the correct model regulator for the specific application is extremely important to maintaining a smooth-running process. To get the regulator that will best meet your needs, please be sure to answer every question noted as "Required" on this Application Data Sheet.



Cv Rating GPM or #/hr.\_\_\_\_\_

2a. Pipe Size

2b. Trim Material Bronze

□ Stainless

**2c. Packing Material** EP V-Ring

□ Teflon V-Ring

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- Process Load FO 3
  - · Flow (GPM) of material to be heated, cooled, or mixed
  - Temperature increase or decrease of material
- 4. Media Through Valve
  - □ Steam
    - Inlet pressure <sup>R</sup>\_\_\_ Pressure Drop (ΔP)<sup>№</sup> \_\_\_\_\_
  - □ Water
  - Inlet pressure<sup>®</sup>
    - Pressure Drop (∆P)<sup>M</sup>\_\_\_\_\_
  - Temperature<sup>R</sup>\_\_\_\_\_ □ Other

Material Flowing Through Valve

Inlet Pressure <sup>®</sup>	
Pressure Drop (∆P) <sup>™</sup>	
Temperature <sup>®</sup>	

- 5. Media At Sensor (Bulb)<sup>R</sup>
  - Type
    - □ Water
    - Chemical (Specify)
  - Temperature
    - Desired Control Point \_\_\_\_\_
    - Maximum Temperature Exposure\_\_\_\_
    - Optional Temperature Indicator (Gauge)
- Bulb and Capillary Characteristics<sup>R</sup> 6.
  - Material
    - □ Copper
    - □ 316 Stainless
    - □ Teflon
- Process Connection, Optional Bulb Well, 7. **Capillary Length** 
  - Process Connection
    - □ Standard Fixed Union with NPT Connection (Style D)
    - □ Special Adjustable Union with NPT Connection (Style JD)
    - Special Vertical Fixed Union with NPT Connection (Style V)
    - □ Plain Bulb [No fittings] (Style J)
  - Optional Bulb Well
    - □ Copper
    - □ Stainless
  - Capillary Length
    - □ 8' (Standard)
    - □ 15' (Standard)
    - □ 30' (Optional)
- 8. Part #

## NOTES

- **Required Information**
- <sup>™</sup> Either/Or Information

If the required flow rate through the valve (Capacity, Item #2) is not known, it can be calculated from the Process Load Information (Item #3).

Nice To Have Information

Pressure drops across the valve can be assumed if they are not specified by the customer.

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