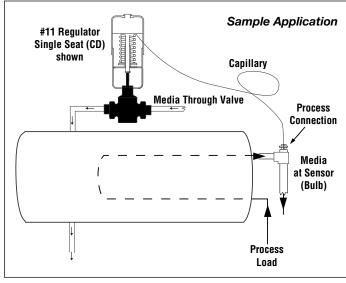


No. 11 Regulator Application Data Sheet

Form ADS#11FW

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.



$ \ $	'	
	ļ.	Process Load
1.	Basic Application [®] ☐ Heating ☐ Cooling ☐ Mixing	
2.	Capacity ^{E/O} Cv Rating GPM or #/hr	
2a.	Pipe Size	
2b.	Trim Material ☐ Bronze	☐ Stainless
2c.	Packing Material ☐ EP V-Ring	☐ Teflon V-Ring
3.	Process Load FO Flow (GPM) of material to be heated, cooled, or mixed Temperature increase or decr of material	ease
4.	Media Through Valve ☐ Steam Inlet pressure R Pressure Drop (ΔP)N ☐ Water Inlet pressureR	

Pressure Drop (ΔP)^N _____

Temperature^R_

	□ Other			
	Material Flowing Through Valve			
	Inlet Pressure ^R			
	Pressure Drop (ΔP) ^N			
	Temperature ^R			
5.	Media At Sensor (Bulb) ^R			
	• Type			
	☐ Water			
	☐ Chemical (Specify)			
	Temperature			
	☐ Desired Control Point			
	☐ Maximum Temperature Exposure			
	□ Optional Temperature Indicator (Gauge)			
6. Bulb and Capillary Characteristics ^R				
	Material			
	Copper			
	☐ 316 Stainless			
_				
7.	Process Connection, Optional Bulb Well, 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

R Required Information

E/O 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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Flowrite Control Valve Application Data Sheet

Form ADS#11FW

Selecting the correct valve size and type is extremely important in order to maintain accurate control and long valve life. To get the valve that will best meet your needs, please be sure to answer every question noted as "Required" on this Application Data Sheet.

	Signalto Actuator
	42sq. in. Flowrite shown Media Through Valve
	Process
1.	Valve Style ^R ☐ Normally Open (air to close) ☐ Normally Closed (air to open) ☐ Mixing
2.	Valve Body Material R Process Connection □ Bronze □ Steel □ Screwed □ Iron □ 150# Flanged □ Stainless □ 300# Flanged
3.	Capacity ^{E/O} Cv Rating GPM or #/hr
4.	Process Load FO Flow (GPM) of material to be heated, cooled, or mixed Temperature increase or decrease of material
5.	Flow Characteristic and Trim Material ☐ Linear ☐ Bronze ☐ Equal % ☐ 316 SS ☐ ☐
6.	Close Off Requirements R

 $\ \square$ Class 2 (leakage to be 0.5% of max. flow or less) [most double seat]

☐ Class 4 (leakage to be .01% of max. flow or less) [most single seat]

☐ Class 3 (leakage to be 0.1% of max. flow or less)

7. Media Through Valve ^{5/0} ☐ Steam			
Inlet Pressure R			
Flowing Pressure Drop (ΔP) N			
□ Water			
Inlet Pressure ^R			
Flowing Pressure Drop (ΔP) N			
Temperature R			
□ Other			
Material Flowing Through Valve			
Inlet Pressure R			
Flowing Pressure Drop (ΔP) ^N			
Temperature ^R			
7a. Close off differential			
O Destries Description			
8. Packing Requirements ^N ☐ Service under 300°F ☐ EP V-Ring			
☐ Service under 250°F–400°F ☐ Teflon V-Ring			
☐ Service under 250 ° − 400 ° ☐ Graphite			
Actuator Requirements [®] Signal to Actuator			
\square 3–15 psi from I/P			
\square 1–17 psi from I/P			
PSI from Positioning Relay			
	□PSI from Pneumatic Controller		
	Actuator Span		
☐ Full Range 3-15 Nominal			
☐ Split Range 3–8 psi			
	☐ Split Range 10–15 psi		
☐ Extended Range 0-50 Maximum PSI	☐ Extended Range 0-50 Maximum PSI		
10. Accessories R			
☐ Positioning Relay			
☐ I/P Transducer			
☐ I/P and Positioner Combination			
☐ Gauge Set			
_ Gauge cor			
11. Part #			
NOTES			
R Required Information			
E/O Either/Or Information If the required flow rate through the valve (Capacity, Item #3) is			

If the required flow rate through the valve (Capacity, Item #3) is not known, it can be calculated from the Process Load Information (Item #4).

Nice To Have Information

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