

## Web View Settings

TAB	SETTING	FUNCTION	DEFAULT / RANGE
1. Application	Valve Size	Defines the full flow cataloged capacity ( $V_{nom}$ ) of the valve.	<b>(Default factory set to the valve size)</b> ½" – 6" [DN 15 – DN 150]
	Installation Position	Identify the installed water service location of the valve and its embedded temperature sensor, or sensor piped in series with the valve (T2). The sensor w/ longer cable is remote (T1) and will be assigned the opposite water service of the valve.	<b>Valve in Return Pipe</b> Valve in Supply Pipe
	Media	Water or water/glycol composition used with glycol concentration to accurately calculate: flow, thermal power and energy.	<b>Water</b> Monoethylene Glycol Polyethylene Glycol
	Glycol Concentration	Percent of glycol .	(User defined) 0-60%
	Cable Length Remote Temp. Sensor	Cable length selection. (For proper operation do not cut cables.) Remote sensor cable length setting adjusts wire resistance to accurately calculate thermal power and energy.	½" - 2" models <b>9.8 ft. [3 M]</b> 4.9 ft. [1.5 M]  2½" – 6" models <b>32.8 ft. [10 M]</b> 16.4 ft. [5 M] 9.8 ft. [3 M] 4.9 ft. [1.5 M]
2. User	Temperature	Units: water supply, return, and delta T	<b>Fahrenheit</b> Celsius
	Flow	Units: water flow rate through the valve	<b>GPM</b> M <sup>3</sup> /h, l/s, l/min, l/h
	Power	Units: thermal power rate of the heat exchanger	<b>kBTU/h,</b> kW/h, MW/h, Ton/h
	Energy	Units: total thermal power of heating and cooling.	<b>kBTU,</b> kW/h, MW/h, Ton/h

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3. Configuration Control Function	Control Mode	Controlled variable assigned to the actuator analog input y-signal, wire #3.	<b>Flow Control</b> Power Control Position Control
	Control Signal Range	Signal range options for the Control Mode.	<b>2-10 VDC</b> 0.5 -10 VDC
	Invert Control Signal	“No” valve modulate open when a 10 VDC is received. “Yes” 10 VDC signal closes the valve.	<b>No</b> Yes
	Control Signal Characteristic	Setting when Control Modes is set to Flow or Position. <ul style="list-style-type: none"> <li>Equal Percentage flow yields coil thermal power roughly equal to the control signal. (Refer to Equal Percentage Flow table).</li> <li>“Linear” 50% controller command yields 50% flow output or position.</li> </ul>	<b>Equal Percentage</b> Linear
4. Configuration Feedback Function	Feedback Information	Actuator analog feedback signal output on wire #5, u-signal.	<b>Flow</b> Power, T supply T return, delta T, Valve position
	Feedback Signal Range	Actuator analog feedback linear signal range.	<b>2-10 V</b> 0.5-10 V 0-10 V
	Set Maximum Feedback	Setting to equate 10 VDC or maximum feedback Information. Setting must match the DDC range maximum setting.	<b>Flow:</b> <b>0 to V'nom</b> <b>Position:</b> 0 to 100% (0-90 deg.) <b>Temperature:</b> 32°F to 212°F 0°C to 100°C <b>Power:</b> 0 to P'nom
	Set Minimum Feedback	Setting to equate 0, 0.5, or 2 VDC or the minimum feedback Information. Setting must match the DDC range minimum setting.	
5. Configuration Delta T Manager	Delta T Limiting Function	Setting to disabled or enabled with limiting logic: dT Manger or dT Manager Scaling. Both use settings“Delta T Limiting Value” but only dT Manager Scaling uses the “Flow Saturation Value”.	<b>Disabled = “-“</b> dT Manager dT Manager Scaling
	Delta T Limiting Value	Low limit parameter for dT setpoint: <ul style="list-style-type: none"> <li>For dT Manger this is the dT setpoint.</li> <li>For dT Manager Scaling this will reset so the dT setpoint is scaled, or variable.</li> </ul> Use the Energy Valve Analysis Tool to select this setting. See Data Analysis Tool on page 34.	<b>10°F</b> 7-60°F 4-33°C
	Flow Saturation Value	Parameter used with dT Manager Scaling to reset the Delta T Limiting Value. When dT Manager Scaling is active: <ul style="list-style-type: none"> <li>If actual flow is less than this parameter the dT setpoint will be reset below the Delta T Limiting Value.</li> <li>If actual flow is equal to this parameter the dT setpoint will be equal to Delta T Limiting Value.</li> <li>If actual flow is greater than this parameter the dT setpoint will be reset above the Delta T Limiting Value.</li> </ul> Use the Energy Valve Analysis Tool to select this setting. See Data Analysis Tool on page 34.	(User defined) >30%-100% of V'max
6. Flow	V'max	Used with Flow Control mode, this is the maximum flow setting of the valve with a full flow output signal from the controller. Value can be changed manually using the Adaption button.	<b>V'nom</b> 30%-100% of V'nom*
7. Power	P'max	Used with Power Control Mode, this is the maximum power setting with a full flow output signal from the controller. Power = (500)*Flow*ΔT = coil design load.	(User defined)