

Sustainability Overview:

IntelliStation Jr.® Digital Mixing Valve



Safety & Regulation



Water Conservation



Energy Efficiency



Key Sustainability Highlights

- **Energy Efficiency:** A tighter outlet temperature control ($\pm 2^{\circ}\text{F}$) compared to traditional thermostatic mixing valves (up to $\pm 7^{\circ}\text{F}$) leads to saving valuable energy
- **Energy Conservation:** A programmable temperature set-back/scheduling program lowers water temperature when the building is unoccupied, resulting in lower energy usage
- **Protection from Waterborne Illness:** Helps protect occupants from waterborne pathogens, such as Legionella, through proper control of stored water temperature and/or high temperature sanitization mode
- **Protection from Scalding:** IntelliStation Jr. makes it easy to select and set a safe water temperature for your facility to limit the risk of injuries resulting from scalding and thermal shock
- **Green Building Benefits:** IntelliStation Jr. is eligible to earn buildings LEED points in the Minimum Energy Performance & Optimize Energy Performance credit categories

Digital Mixing Savings Calculator

Savings Summary		
	TMV vs DMV	Setback
+/-2°F Temp Control		
Monthly:	\$271.50	\$504.21
Annual:	\$3,258.00	\$6,050.56
Total Savings		
Monthly Savings: \$775.71		
Energy Monthly Savings: 657 therms		
Annual Savings: \$9,308.56		
Energy Savings: 7884 therms		

Calculate Savings in your State



Savings summary example is based on the following inputs:

- Location: Illinois
- Heat Source: Gas
- Comparable TMV System: 1-1/2" Mixing Valve (70GPM)
 - TMV Temperature Control Variation: $\pm 7^{\circ}\text{F}$ (ASSE Standard)
- Water heater tank temperature = 140°F , Outlet temperature = 120°F
- Hours set to weekdays 12 hours and weekends 2 hours to simulate a commercial building



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