

# Sustainability Overview:

## IntelliStation Jr.® Digital Mixing Valve



### Sustainability Categories



Safety & Regulation



Water Conservation



Energy Efficiency

### Key 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



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Sustainability Page

### Digital Mixing Savings Calculator

Savings Summary		
	TMV vs DMV	Setback
	+/-2°F Temp Control	
Monthly:	\$347.43	\$645.22
Annual:	\$4,169.13	\$7,742.67
Total Savings		
	Monthly Savings: \$992.65 Energy Monthly Savings: 657 therms	
	<b>Annual Savings:</b>	
	<b>\$11,911.80</b>	
	<b>Energy Savings:</b>	
	<b>7,884 therms</b>	

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 =  $140^{\circ}\text{F}$ , Outlet temperature =  $120^{\circ}\text{F}$
- Hours set to weekdays 12 hours and weekends 2 hours to simulate a commercial building

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