

# Secondary Fluid Valve and Controller

For Secondary Fluid Refrigeration



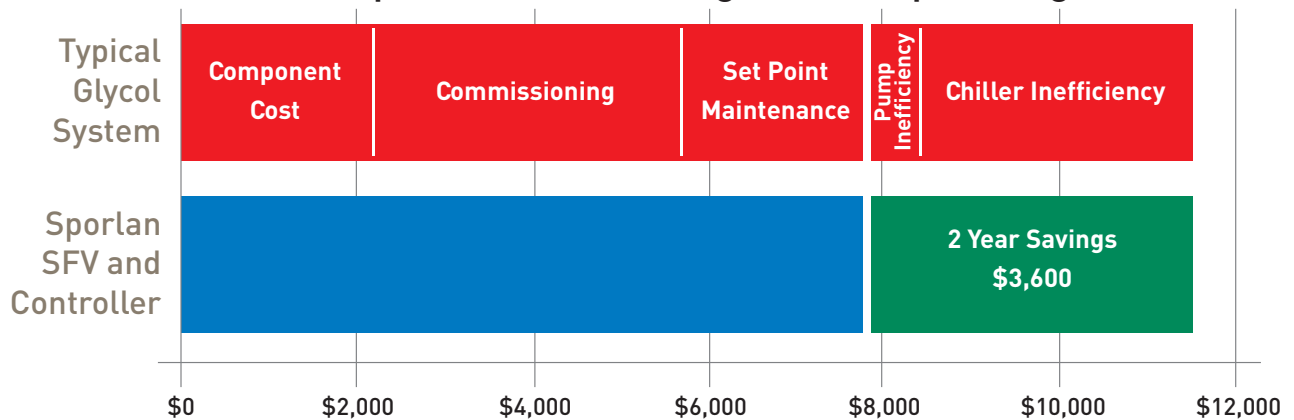
Eliminate the headaches associated with secondary fluid refrigeration with the fully modulating Sporlan Secondary Fluid Valve (SFV) and Controller.

Optimize your system performance year-round by responding to changing system and ambient conditions automatically. And save energy in your pump and chiller, plus relieve stress on system components (e.g. compressors, pumps) with flat line control.

With the Sporlan SFV and Controller, just set your case temperature and walk away.



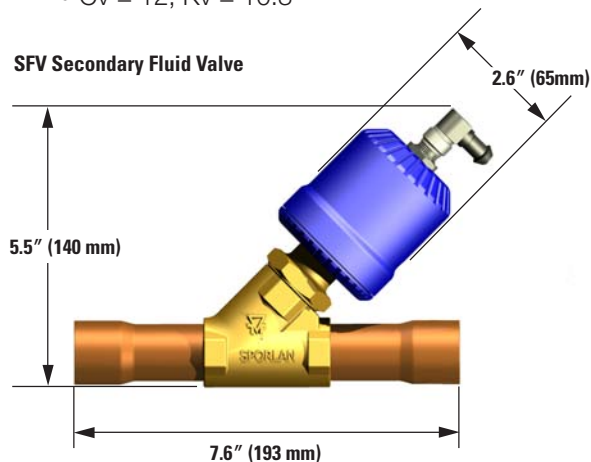
## Cost Comparison – Including 2-Year Operating Costs



ENGINEERING YOUR SUCCESS.

## Valve Specifications

- Bipolar Hybrid Stepper Motor
- 2500 Steps, 200 Steps/Second
- Voltage: 12VDC (-5% +10%)
- Current: 185 mA / winding
- Operating Temperature:
  - 0°F to 140°F (18°C to 60°C)
- MRP: 300 psig (20.7 bar)
- ODF Connections Available:
  - 5/8", 7/8", 1-1/8", 1-3/8"
- Removable M12 Cable
  - 20' Standard, 10' Available
- Approved for Propylene Glycol and Water
- Flow Coefficients:
  - Cv = 12, Kv = 10.3



## Controller Specifications

- Support for all standard defrost schemes (off time, warm fluid, electric)
- Advanced pull down algorithm

## Electrical

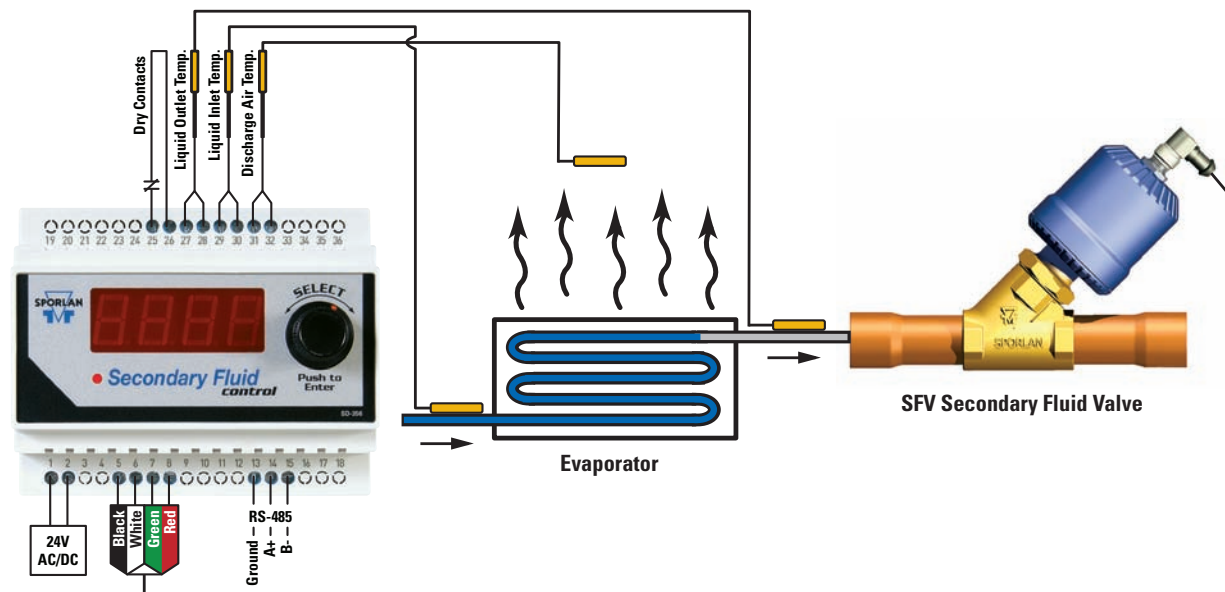
- Supply Voltage: 20-26 VAC, 50/60 Hz, 40VA or 22-26.6 VCD; Class II
- Analog Inputs:
  - 3x Temperature Sensors 2kΩ (3kΩ optional)
- Digital Display: LED – Red, 7 segment, 4 digit
- Indicators: LED – Red, Power
- User Interface: Optical Encoder
- Data Interface: RS-485, Modbus®

## Mechanical

- Operating Temperature: -40°F to 158°F (-40°C to 70°C)
- Humidity: 0-95% (Non-condensing)
- Enclosure: PC – Light Gray
- Wiring: Screw Terminal
- Mounting: DIN RAIL – EN 50 022

## Compliance

- Environmental: RoHS, WEEE
- Safety: UL/CUL (Recognized per 873), FCC (Class A, part 15), C-tick



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