



Baker Hughes

Masoneilan  
DRESSER

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# Masoneilan™ SVI™ II AP

Advanced Performance  
Digital Valve Positioner



# Features vs Model

CATEGORY	FEATURE	SVI II AP Version	
		SD	AD
Housing	Low Copper Aluminum (ASTM 360, < 0.5% Copper)	✓	✓
	Stainless Steel (316L)	○ <sup>1</sup>	○ <sup>1</sup>
	Dual 1/2 NPT Electrical Port	✓	✓
Sensors	Temperature: Circuit Board	✓	✓
	Position: Non-Contact, Hall sensor	✓	✓
	Pressure: Atmospheric	✓	✓
	Pressure: Supply Pressure	✓	✓
	Pressure: I/P Pressure	○	✓
	Pressure: Actuator P1 (Direct Port)	○	✓
	Pressure: Actuator P2 (Reverse Port, Double-Acting)	○	✓
Input / Outputs	Remote Position Sensor	✓	✓
	Programmable Solid State Switches	○	○
	4-20mA Position Retransmit Feedback	○	○
Positioning	Split Ranging (Minimum Span: 5mA)	✓	✓
	Valve Characterization	✓	✓
	Autostops (Zero & Span)	✓	✓
	Live Tuning <sup>2</sup>	✓	✓
	Autotune	✓	✓
Field Upgradeable Diagnostics & Valve Signatures	Positioner Signature (Travel vs Setpoint)	✓	✓
	Multiple Step Test (Travel, Setpoint vs Time)	✓	✓
	Embedded Standard Signature		✓
	High Resolution Extended Valve Signature		✓
	Plug & Seat Profile Analysis		✓
	Online Valve Diagnostics (with Valve Aware)	✓	✓
Data Historian	Cycle Counter	✓	✓
	Travel Accumulator	✓	✓
	Time Closed	✓	✓
	Time Near Closed	✓	✓
	Time Open	✓	✓
Alerts	Position Deviation	✓	✓
	Air Supply Low	✓	✓
	Device Integrity	✓	✓
	Calibration	✓	✓
Actuator Support	Single-Acting (S) Double-Acting (D)	S or D	S or D

○ = Optional and field upgrade capable using HART

1. Factory-ordered option only. Not field upgradeable.

2. Requires ValVue Software

# Model Builder

## Series Identification SVI2 - abcdefgh

