

# XAE PULSAPRO® & PULSA SERIES® STROKE LENGTH CONTROLLER

For accurate control of your metering process, the XAE stroke length controller provides the communication interface and dependable technology you need to deliver chemical precisely and promptly.

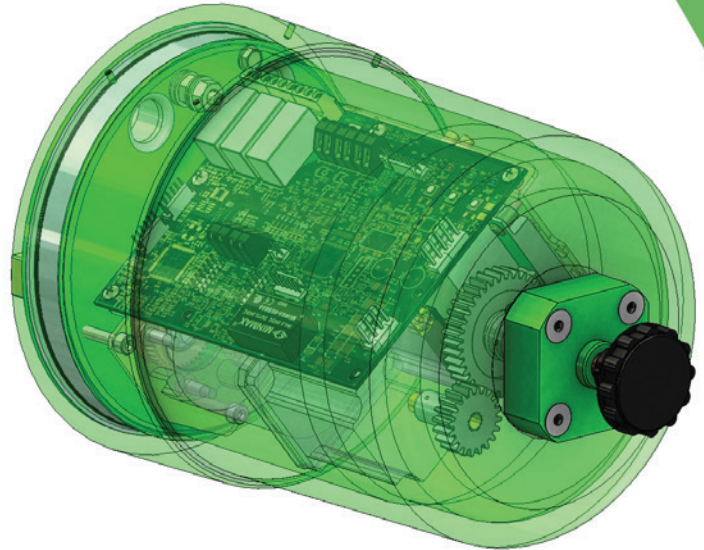
## KEY FEATURES & BENEFITS

### Microprocessor Based, Digital Logic for:

- Fast commissioning. Calibration and start up in minutes
- On board self-diagnostics are fault-tolerant and self-correcting after power loss or system fault
- Settings automatically maintained and monitored even without power

### Robust Electro-Mechanical Design:

- Brushless servo motor drive provides precise pump control and long life
- Control panel ready for easy system integration
- Know pump status with dry contacts for system ready-to-run inputs and pump condition indications



## PULSAPRO & PULSA SERIES WITH XAE STROKE LENGTH CONTROLLER



### Pumps

PulsaPro  
Pulsa Series



### Power

90-265 vac, 50/60 Hz  
75 W, single phase



### Certification

API-675 Compliant  
ATEX Certified  
IECEX Certified



### Environment

-40 to 70°C (158°F)  
Non-hazardous

# SPECIFICATIONS

Feature	Description	PulsaPro Pulsa Series	Pulsa Series
		XAE vs Pulsamatic	
		XAE	Pulsamatic
<b>Power</b>	90-265 vac, 50/60 Hz (47-63 Hz auto ranging), 75 W, single phase	Standard	Optional
<b>Analog Input</b>	0 to 24 mA (4-20 mA factory default), 100 ohms input impedance, isolated	Standard	Optional
<b>Analog Output</b>	0 to 22 mA (4-20 mA factory default), 300 ohms load, isolated. Reverse Acting, Split Ranging, Slave Control	Standard	Optional
<b>Digital Input</b>	(3) dry contact (interlock, call-to-run, alarm)	Standard	N/A
<b>Digital Output</b>	(3) relay, 5 A @ 120 VAC (run, local/remote, alarm), NO/C/NC connections	Standard	N/A
<b>Temperature</b>	Ambient	-40°C to +70°C -40°F to 158°F	-40°C to +80°C -40°F to 180°F
<b>Drive</b>	Brushless DC Stepper Motor	X	
	Screw Type, Clutches and Limit Switch		X
<b>Electronics</b>	Digital Microprocessor	X	
	Analog Circuitry		X
<b>Enclosures</b>	NEMA 4X	X	X
	NEMA 7	X	X
<b>Programming &amp; Diagnostics</b>	Push-button signal calibration, self-recovery after power loss	Standard	N/A
<b>Auto / Manual</b>	Auto / Manual Switch, Control Knob	Standard	Standard
<b>Certifications</b>	API-675 Compliant	Standard	N/A
	ATEX	See Below	N/A

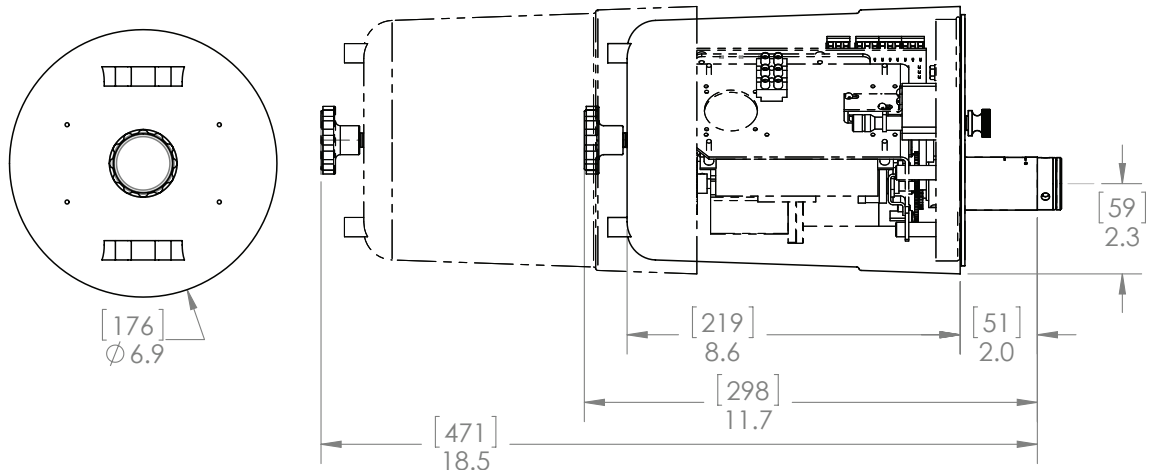
**Certifications: When so marked, the following standards apply to this product**

<ul style="list-style-type: none"> <li>Class I Division 1, Groups C, D, T6</li> <li>Class I Division 2, Groups A, B, C, D, T6</li> <li>Class II Division 2, Groups F, G, T85C</li> <li>Class I Zone 1, Group IIB T6</li> </ul>	<ul style="list-style-type: none"> <li>UL 1203 Edition 5</li> </ul>	<ul style="list-style-type: none"> <li>CSA C22.2 No. 30-1986 Reaffirmed 2012</li> <li>CSA C22.2 No. 25-1966 Reaffirmed 2014</li> </ul>
<ul style="list-style-type: none"> <li>Safety Requirements for Electrical Equipment</li> </ul>	<ul style="list-style-type: none"> <li>UL61010-1:2012 Ed.3+R:29 Apr2016</li> </ul>	<ul style="list-style-type: none"> <li>CSA C22#61010-1:2012 Ed.3</li> </ul>
<ul style="list-style-type: none"> <li>II 2 G Ex db IIB T6 Gb</li> <li>II 2 D Ex tb IIIB T85C Db IP66</li> </ul>	<ul style="list-style-type: none"> <li>ATEX</li> </ul>	<ul style="list-style-type: none"> <li>2014/34/EU</li> <li>EN 60079-0:2012+A11:2013</li> <li>EN 60079-31:2014</li> </ul>
<ul style="list-style-type: none"> <li>Ex db IIB T6 Gb</li> <li>Ex tb IIIB T85 Db IP66</li> </ul>	<ul style="list-style-type: none"> <li>IECEX</li> </ul>	<ul style="list-style-type: none"> <li>IEC 60079-0:2011</li> <li>IEC 60079-1:2014-06</li> <li>IEC 60079-31:2013</li> </ul>

## DIMENSIONS

The dimensions given may differ depending on pump configuration.

[Millimeters]  
Inches



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