



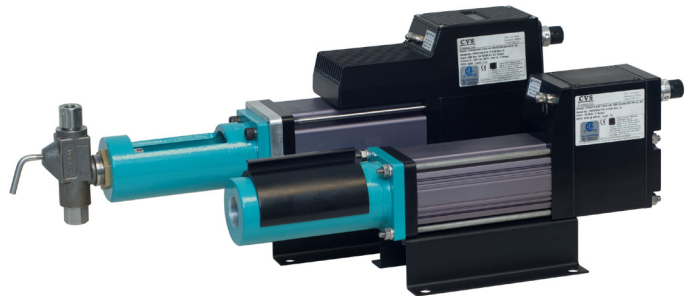
Controls Ltd.

CVS Controls Ltd Electric Chemical Pump

The CVS Controls Electric Chemical pump is an energy efficient and environmentally smart alternative solution for today's demanding chemical injection applications.

Applications:

1. Designed for the introduction of demulsifiers, corrosion inhibitors, descaling agents, solvents and oxygen scavengers.
2. Water treatment
3. Methanol Injection in gas pipelines
4. Injection of surfactant (soap) into low pressure gas wells with high water content



CVS Controls AC and DC Electric Chemical Pump

Innovative:

CVS Controls has developed an AC and DC powered servo drive electric chemical pump. The linear servo drive actuator forces a plunger through several options of packing with discharge pressures up to 6000 psi. Available in 110 – 240 Vac 50/60 Hz and 12- 24 Vdc. CSA approved Class 1, Div 2, Group A, B, C and D T4 temperature rating -40°C to 65°C with ingress protection of IP65. Additional certifications include CE.

Pump rate is controlled by a speed control dial which controls the pump from 0 strokes per minute to its maximum 60 strokes per minute. A 4-20mA input option is also available. The electric pumps are capable of discharge pressures up to 6000 psi while maintaining 60 strokes per minute.

Head Office

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Calgary Sales Office

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Rotary to Linear Motion:

The AC and DC servo motor converts rotary motion to linear motion using a robust, and unique inverted roller screw mechanism with exceptionally long service life. The roller screw is an ideal choice for demanding continuous linear motion applications. The roller screw design consists of multiple threaded helical rollers assemble in a planetary arrangement around a threaded shaft which converts the motors rotary motion into linear movement.



Versatility:

CVS electric chemical pumps are shipped standard with a rotary speed control which adjusts the speed from zero to maximum speed. When being connected in the field, a rated power switch needs to be installed as per the electrical code that applies to your area.

The electric chemical pumps also have digital and analog I/O on board and communicate through 1 RS 485 port, Modbus RTU for controlling and monitoring. For more information regarding I/O controlling, monitoring and customization please contact your local CVS Controls representative.

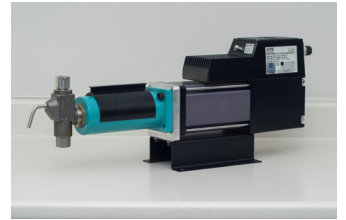
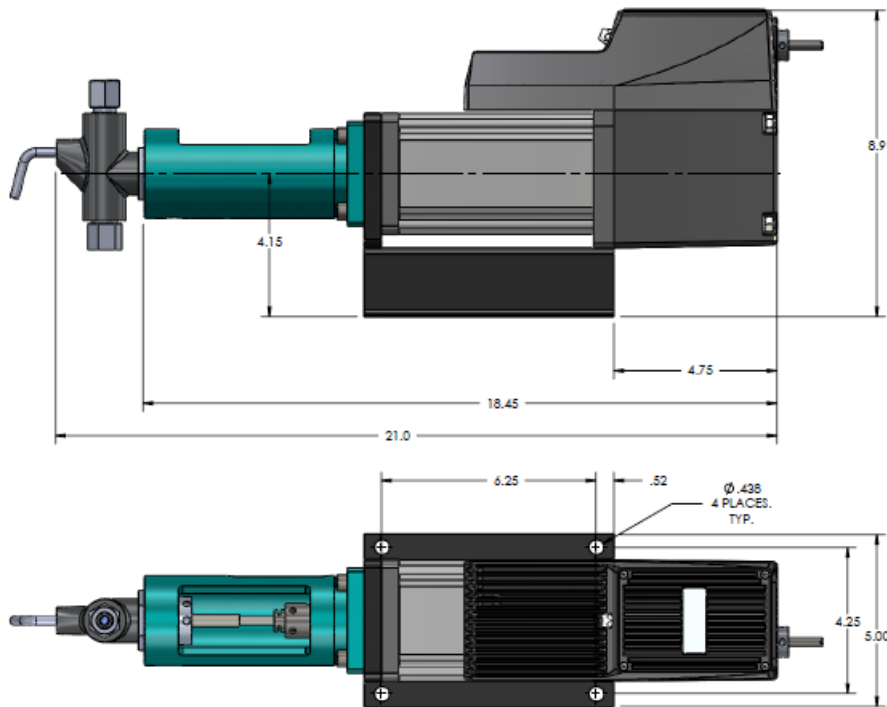


Rotary Speed Controller

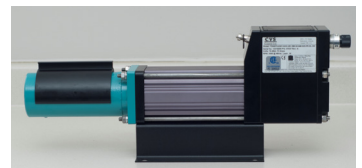
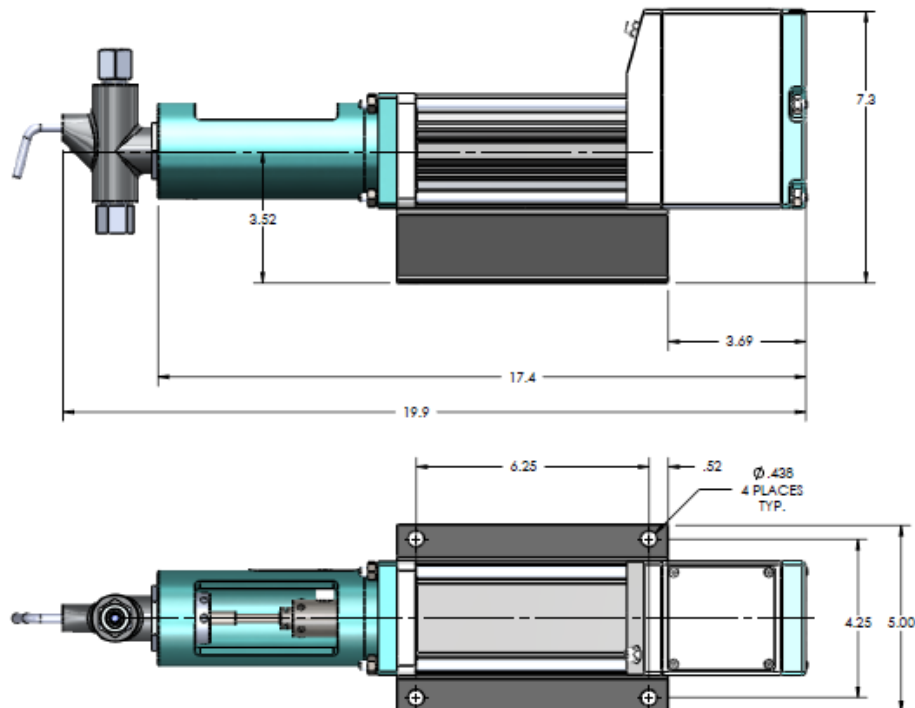
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Dimensions: Inches

CVS Controls Electric Chemical Pump – AC, Model ECP-AC



CVS Controls Electric Chemical Pump – DC, Model ECP-DC



Standard CVS Controls Chemical Injection Pump Fluid Head:

CVS Controls Fluid Heads are available in a variety of sizes and material options to best suit your application.

Head sizes range from 3/16" to 1/2" with maximum discharge pressures up to 6000 psi.

Packing materials include Buna, Fluoro, Teflon, Hard, Viton, and Hard. Selection is made based on chemical injection application and discharge pressures required.

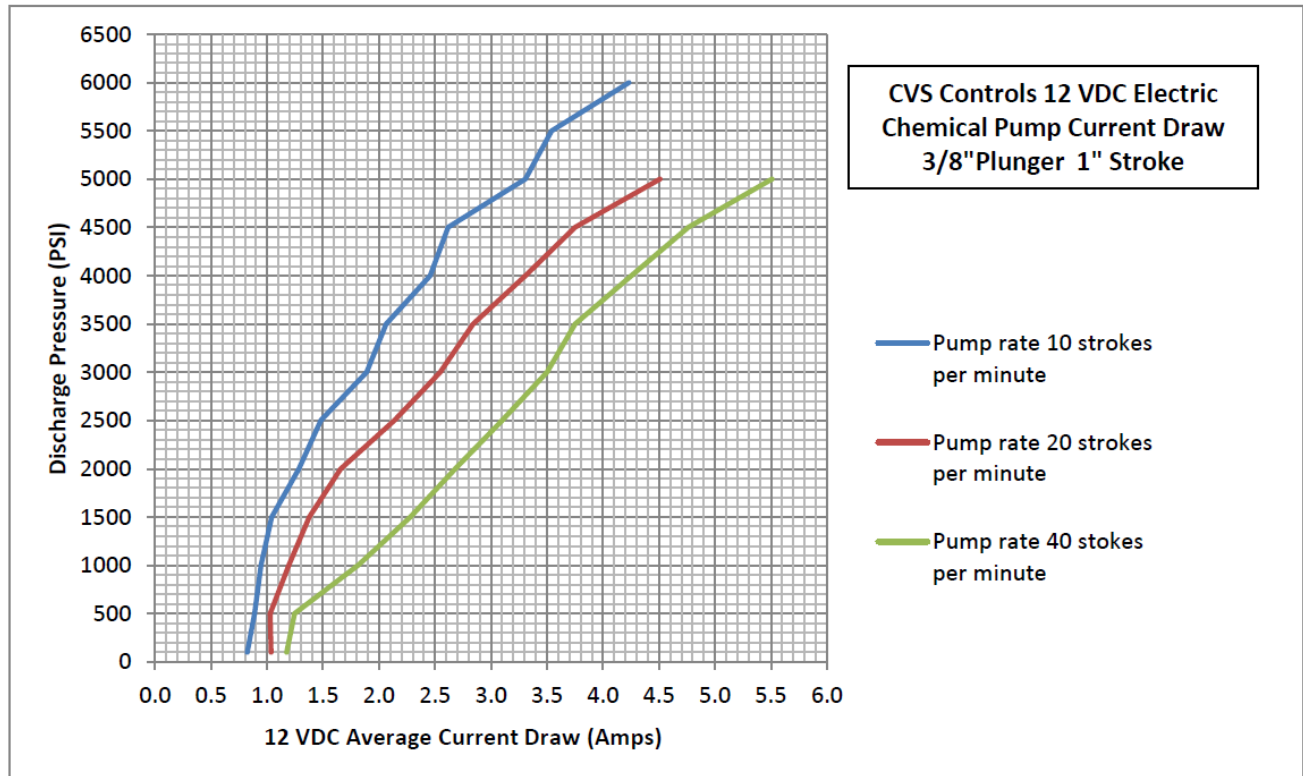


Pump Discharge Volume:

The CVS Controls Electric Chemical Pump is capable of discharge volumes of up to 278 litres per day, at 6000 psi discharge pressure.

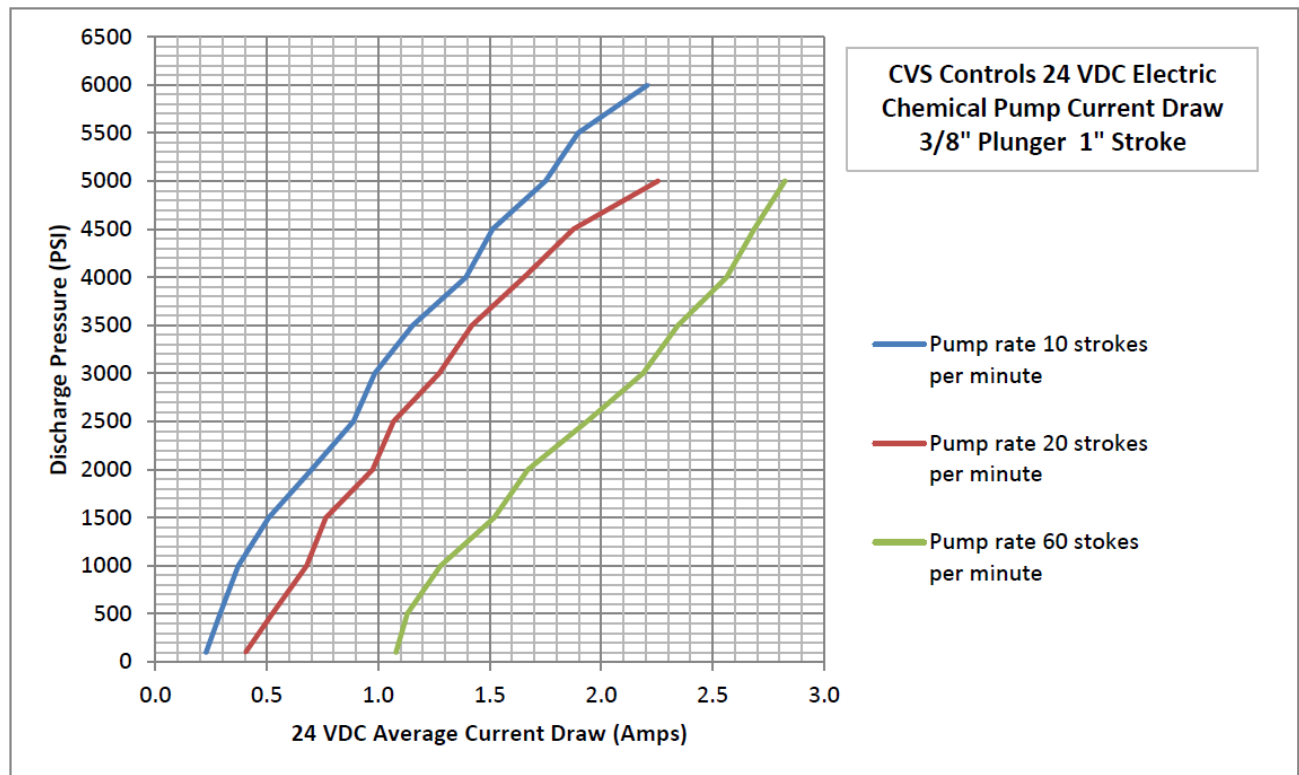
CVS Electric Chemical Pump – Current Draw

12 Volt DC:

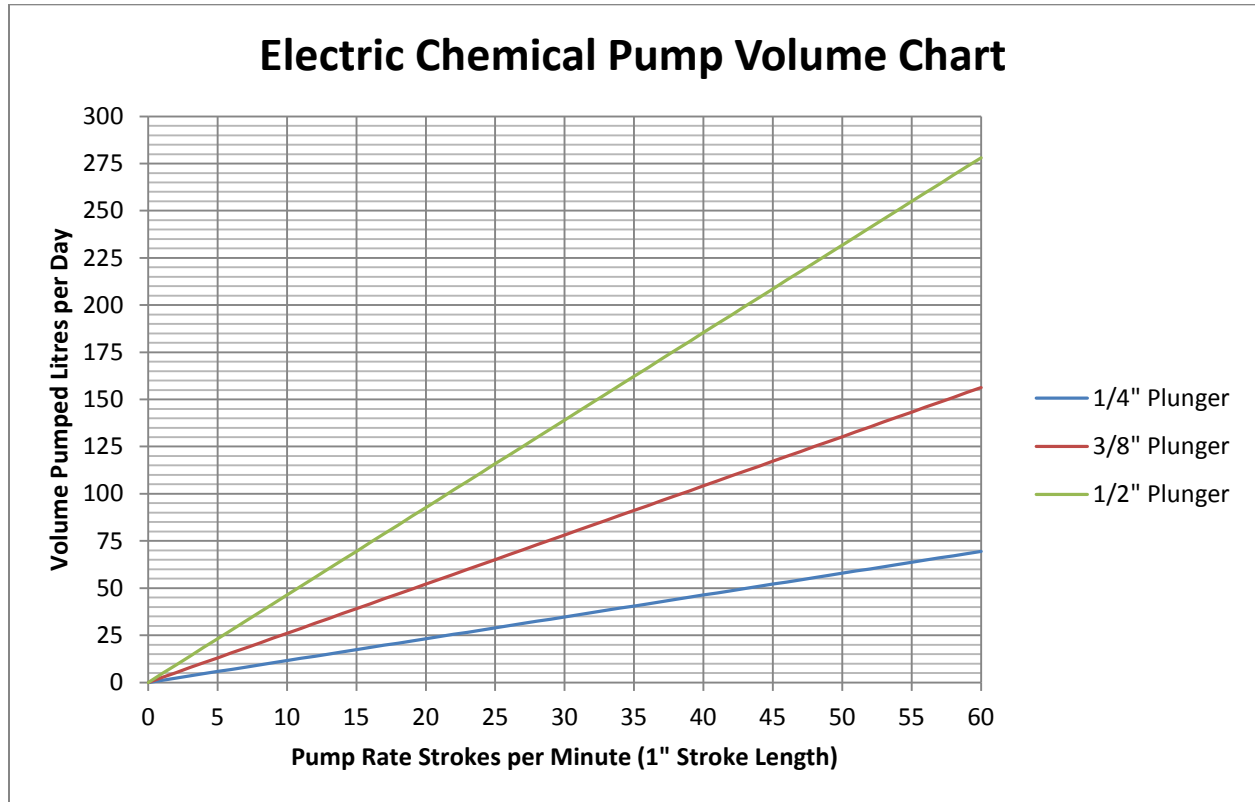


CVS Electric Chemical Pump – Current Draw

24 Volt DC:



CVS Electric Chemical Pump – Volume





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