Vmac™ Metering Pump

Series Model D

Increase Production Reliability and Reduce Maintenance Time with **The Williams Vmac™ Chemical Injection Electric Drive Pump**

Introducing the first Electric Driven Williams Vmac™ Series Chemical Injection Pump. The Vmac is designed for precision and durability but most importantly, with reduced maintenance expense and time in mind. This electric driven pump is engineered to meet required pressure ranges while offering a reliable and low cost of ownership option.

This positive displacement, dual seal plunger pump features double spring-loaded lip seals and an integral worm gear drive. It is available in 2 different standard gear ratios and 3 plunger sizes making it a versatile choice for a wide range of applications.

Ideal for oil and gas production facilities, pipelines, process plants, and more, the Vmac Series is engineered to replace other pump technologies and offers a cost-effective alternative to diaphragm pumps.

It's not just a pump; it's a commitment to efficiency, reliability, and precision. With the Williams Vmac Series, you can expect:

- Superior performance with (2) different gear ratios and (3) plunger sizes
- Flow rate from 5.4 gpd (20.4 lpd) up to 45.4 gpd (171.7 lpd)
- Maximum pressure up to 5,000 psi (344.7 bar)
- 10:1 turndown while running or stopped
- Steady State Accuracy ± 1% of full capacity
- Affordability without compromising on quality and reliability
- Reduce chemical dosage to minimum required due to high accuracy of the pump

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www.williamspumps.com

WILLIAMS®
CHEMICAL METERING PUMPS

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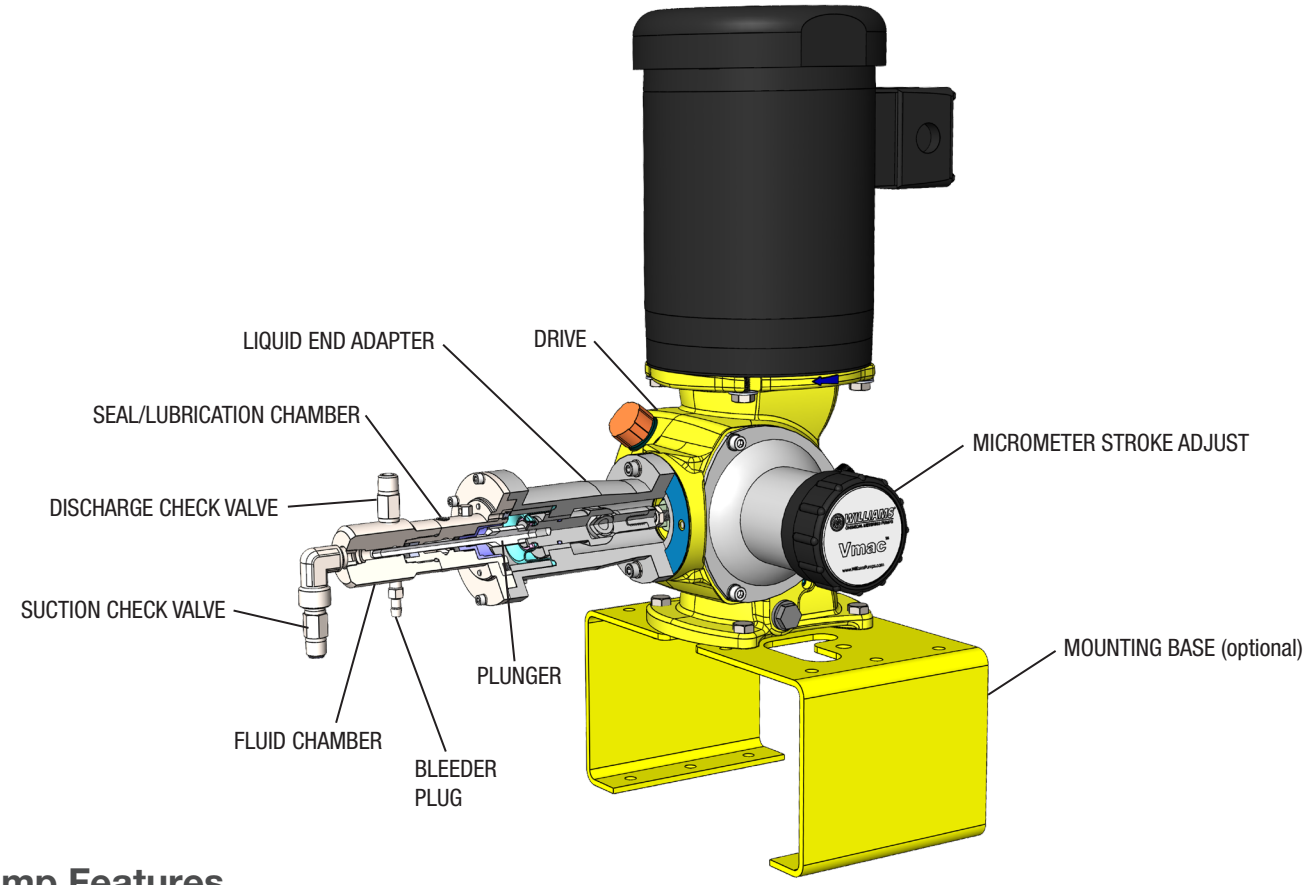
Series Model D

Simplicity in Design, Operations and Maintenance



Pump Features

- Durable metallic sealed housing designed to withstand tough environments and longer life
- A true double sealing arrangement is used so that a secondary seal containment is provided
- Lubrication has been simplified with the use of synthetic grease. The lubrication chamber only needs to be filled one time over the life of the seals
- The bleeder plug is equipped with a barbed fitting for plastic tubing so that the fluid bled from the liquid chamber can be collected
- Both the suction and discharge check valves have tough composite seats for long life and positive sealing
- C-face with direct motor mount for perfect alignment

The future of chemical injection is here, and it's ELECTRIC.
Embrace the change with the Williams Vmac Series.

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Performance Charts

Plunger		Gear Ratio	Strokes/ Min 60 Hz 1725 RPM	Capacity/ Pressure @ 60 HZ					
				Ratings at 100 psi		Capacity at Max Pressue			
Diameter	Code			GPD	LPD	GPD	LPD	PSI	BAR
1/4” 6.35mm	250	40:1	43	5.4	20.4	3.7	13.9	5000	344.7
		20:1	86	10.8	40.9	7.6	28.6	5000	344.7
3/8” 9.5mm	375	40:1	43	12.5	47.4	11.0	41.7	2250	155.1
		20:1	86	23.8	89.9	20.7	78.5	2250	155.1
1/2” 12.7mm	500	40:1	43	22.5	85.0	21.2	80.1	1250	86.2
		20:1	86	45.4	171.7	41.0	155.3	1250	86.2

Plunger		Gear Ratio	Strokes/ Min 50 Hz 1425 RPM	Capacity/ Pressure @ 50 HZ					
				Ratings at 100 psi		Capacity at Max Pressue			
Diameter	Code			GPD	LPD	GPD	LPD	PSI	BAR
1/4” 6.35mm	250	40:1	36	4.5	17.0	3.1	11.6	5000	344.7
		20:1	72	9.0	34.1	6.3	23.8	5000	344.7
3/8” 9.5mm	375	40:1	36	10.4	39.5	9.2	34.7	2250	155.1
		20:1	72	19.8	74.9	17.3	65.4	2250	155.1
1/2” 12.7mm	500	40:1	36	18.7	70.8	17.6	66.7	1250	86.2
		20:1	72	37.8	143	34.2	129.4	1250	86.2

Note: Motor requirements: 1/4 HP or 0.25 Kw

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Ingersoll Rand Inc. (NYSE:IR), driven by an entrepreneurial spirit and ownership mindset, is dedicated to helping make life better for our employees, customers and communities. Customers lean on us for our technology-driven excellence in mission-critical flow creation and industrial solutions across 40+ respected brands where our products and services excel in the most complex and harsh conditions. Our employees develop customers for life through their daily commitment to expertise, productivity and efficiency. For more information, visit www.IRCO.com

Contact your local representative to find out more about
Williams Vmac Series Chemical Injection Pumps

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