



JXVP-18

LPG VANE PUMP

✓ *Heavy-Duty Bearings*

✓ *Single Mechanical Seal*

✓ *Innovative Cam Design*



ABOUT US

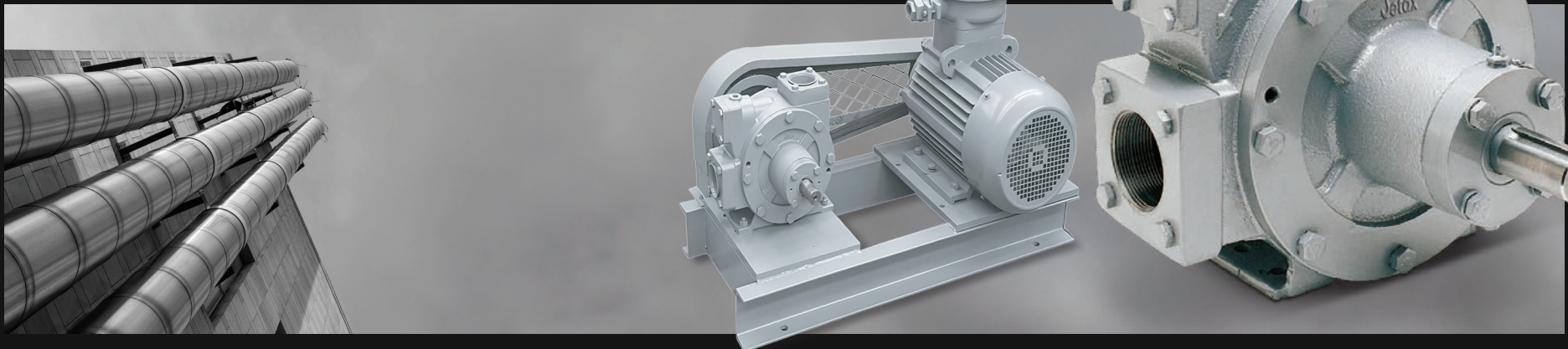


At Jetax®, we engineer high-performance fluid handling equipment designed to meet the **toughest industrial** and commercial challenges.

Specializing in LPG, ammonia (NH₃), and auto-fuel transfer applications, our products combine cutting-edge innovation with rugged reliability to ensure efficiency, safety, and longevity in even the harshest operating environments.

Our Commitment

Jetax® stands at the forefront of fluid transfer technology, where engineering excellence meets uncompromising reliability—our advanced JXVP-18 LPG Vane Pump exemplifies this commitment with its cavitation-resistant cam design, heavy-duty bearings, and exceptional temperature resilience (-32°C to 107°C), delivering consistent high-pressure performance; designed for durability and simplicity, our pumps feature easy-maintenance components like single mechanical seals and standardized parts to maximize uptime and productivity; trusted by industry leaders worldwide.



Powering the Growth Together

Built to endure. With heavy-duty bearings, cavitation-resistant cam design, and a rugged single mechanical seal, the JXVP-18 guarantees long-term reliability with minimal maintenance

The JXVP-18 represents the pinnacle of vane pump engineering, delivering unmatched efficiency and reliability in the transfer of LPG, ammonia (NH₃), and auto-fuel across the most demanding industrial and commercial applications. Meticulously engineered for superior durability, this advanced pump system incorporates an innovative cam design that dramatically reduces cavitation, ensuring smooth, vibration-free operation even under continuous heavy loads.

Built to withstand the toughest conditions, the JXVP-18 features premium heavy-duty bearings and wear-resistant components that significantly extend service life, while its single mechanical seal design simplifies maintenance and reduces downtime. With an impressive maximum flow rate of 323 L/min and the ability to handle differential pressures up to 12 bar, this high-capacity pump maintains consistent, peak performance in critical operations such as bulk LPG transfer, cylinder filling stations, and high-volume fuel dispensing systems.

Engineered for extreme environments, its robust construction and specialized materials provide exceptional temperature resilience, operating flawlessly in conditions ranging from -32°C to 107°C.

» Engineered for Durability and Efficiency



- **Innovative Cam Design**
Minimizes cavitation for smoother operation.
- **Extended Pump Life**
Heavy-duty bearings and advanced materials.
- **Easy Maintenance**
Single mechanical seal for quick replacement.
- **High-Speed Compatibility**
Non-metallic pins for stable performance at elevated RPMs.

» Applications



Auto-fuel dispensing



LPG cylinder filling



LPG/NH₃ bulk transfer

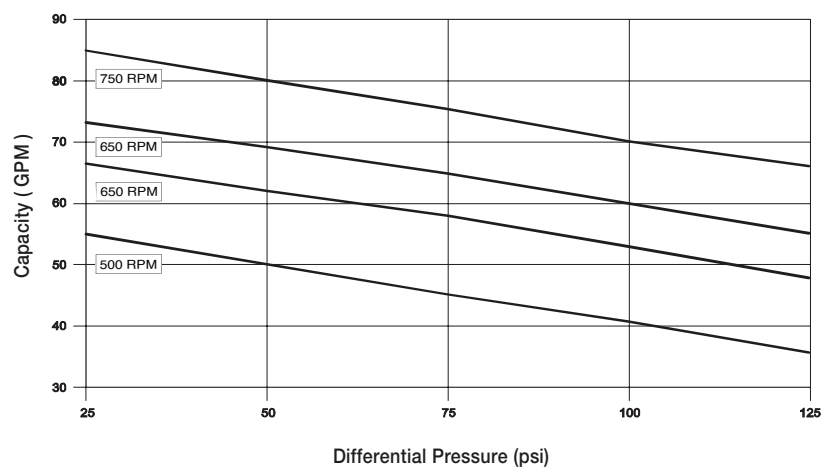
» Performance Data

Flow Rate (RPM)	Differential Pressure(Bar)	Flow Rate(L/min)
800	3.4	323
	6.9	287
650	3.4	261
	6.9	227
500	3.4	189
	6.9	155

Fueling Progress with Every Turn

Jetax® LPG vane pumps drive efficiency and reliability in fluid transfer, ensuring seamless operations for industries worldwide. Every rotation delivers precision, power, and performance

» Performance Curves & Notes



Inlet/Outlet	NPT 2"
Max Speed	800 RPM
Motor Power	7.5 kW
Temperature Range	-32°C to 107°C
Max Working Pressure	28.6 bar
Max.Differential Pressure	12 Bar
Internal Relief Valve	Yes

» Installation & Maintenance

Guidelines:

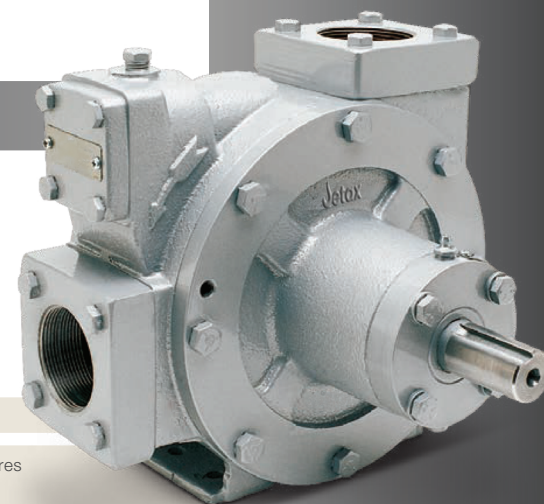
- Ensure proper suction piping alignment.
- Use recommended seals and lubricants.
- Regular inspection intervals (e.g., every 500 hours).

Troubleshooting Tips:

- Reduced flow? Check for suction blockages.
- Seal leaks? Verify mechanical seal integrity.

» Key Notes

- Performance based on vapor-equalized propane at 21°C.
- Avoid: Suction piping restrictions, lack of vapor return lines, or temperatures below 21°C to maintain efficiency.
- Ensure proper NPSH (Net Positive Suction Head) is maintained to prevent cavitation and ensure stable pump operation



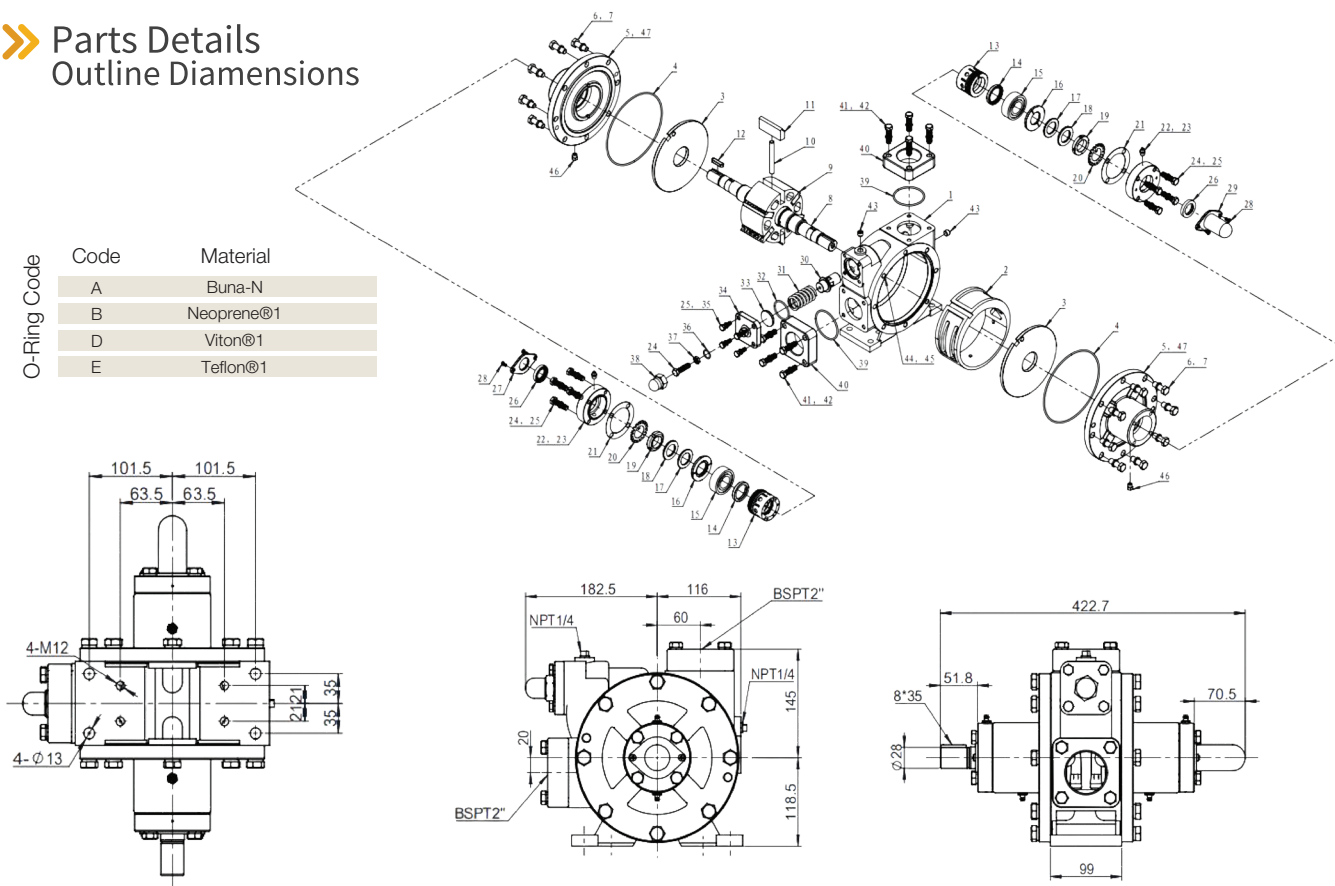
Precision-Powered Transfer

Jetax® LPG vane pumps redefine fluid transfer—where cutting-edge engineering meets relentless reliability. Each revolution isn't just motion; it's measurable progress, delivering unmatched precision and power to keep global industries flowing without compromise.

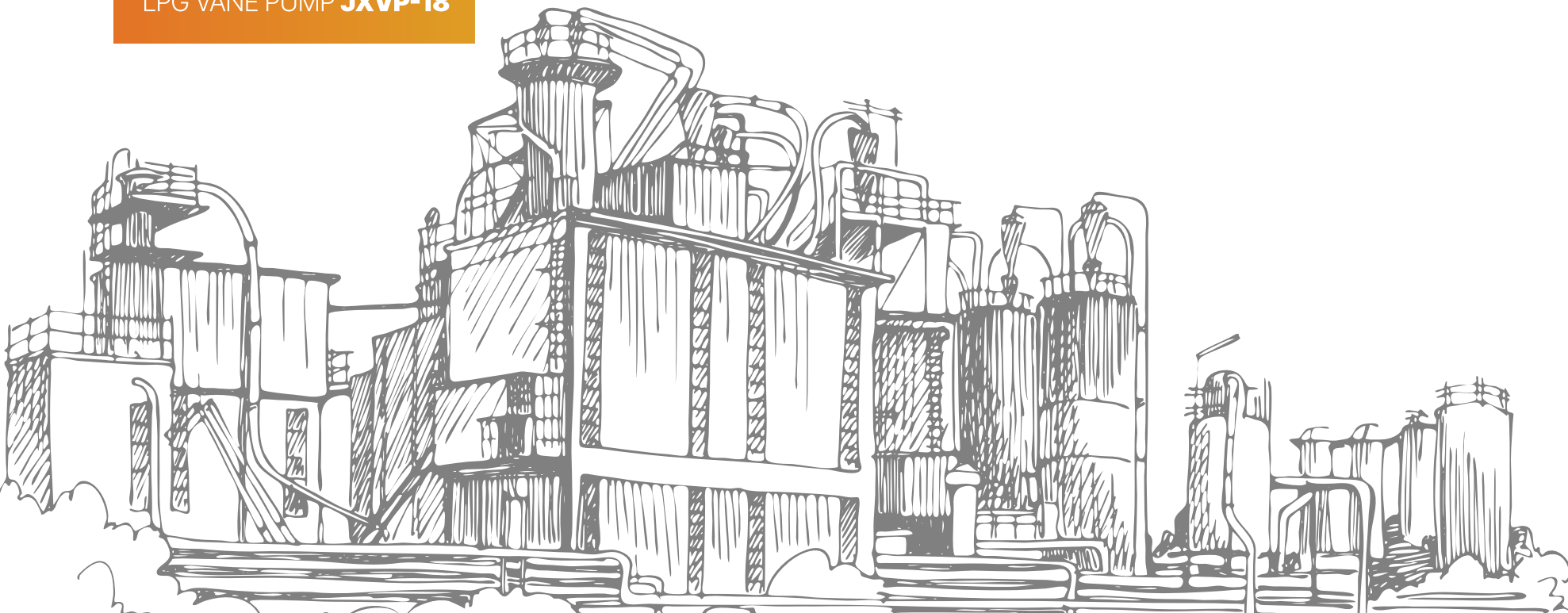
Parts Details Outline Dimensions

O-Ring Code

Code	Material
A	Buna-N
B	Neoprene®1
D	Viton®1
E	Teflon®1



Item	Description	Material	Quantity
1	Pump Body	ASTM A536	1
2	Bushing	ASTM A536	1
3	Side Base	Cr12	2
4	O ring OD184*3.5	Nbr	2
5	Pump Cover	ASTM A536	2
6	Hex Bolt M12*35	SS	16
7	Washer 12*3.1	SS	16
8	Main Shaft	2Cr13	1
9	Rotor	QT600	1
10	Push Rod	PEK	3
11	Vane	PEK	6
12	Flat Key A type 6*6*45	45#	1
13	Mechanical Seal		2
14	Oil Seal38*48*7	Nbr	2
15	Roller Bearing NU2206EM		2
16	Bearing Retainer	Steel	2
17	Gasket	Steel	2
18	Bearing AXK3047+2AS		2
19	Nut M30*1.5	304SS	2
20	Gasket 30*1.2	304SS	2
21	Cover Gasket	Tef	2
22	End Cover	ASTM A536	2
23	Grease Fitting M10*1	Brass	2
24	Hex Bolt M8*40	SS	9
25	Washer 8*2.1	SS	12
26	Oil Seal 28*42*7	Nbr	2
27	Shaft Protect Sleeve Flange	POM	1
28	Screw M5*10	SS	4
29	Shaft Protection Sleeve	POM	1
30	Over Flow Valve Core	1Cr18Ni9	1
31	Over Flow Valve Spring	65Mn	1
32	Over Flow Spring Stop	ASTM A536	1
33	O ring 50*3.5	Nbr	1
34	Over Flow Valve Cover	ASTM A536	1
35	Hex Bolt M8*25	SS	4
36	O ring OD23*2.5	Nbr	1
37	Hex Nut M8	SS	1
38	Cap Nut	Carbon Steel	1
39	O ring OD75*3.5	Nbr	2
40	Inlet/outlet Flange	ASTM A536	2
41	Hex Bolt M10*45	SS	8
42	Washer M10*2.6	SS	8
43	Hex Plug BSPT1/4"	SS	2
44	Cylindrical Pin 5*14	65Mn	2
45	Flat Key 12*8*80	45#	1
46	Pressure relief Spout	Brass	2
47	Cylinder Pin 3*8	65Mn	2



JETAX FIELD EQUIPMENTS DEVELOPMENT AND DESIGN LLC

Email: info@jetax.com | Website: www.jetax.com | Phone : +1 907 4445311

Address: 8300 Duben Ave, Anchorage, AK 99504, United States of America

Jetax®