

MODELS INCLUDED

KOBMP 3000 | KOBMP 4000 | KOBMP 5000 | KOBMP 6000 SERIES



KOBMP *SERIES*

Premium LPG & Fuel Transfer Technology



ABOUT *US*

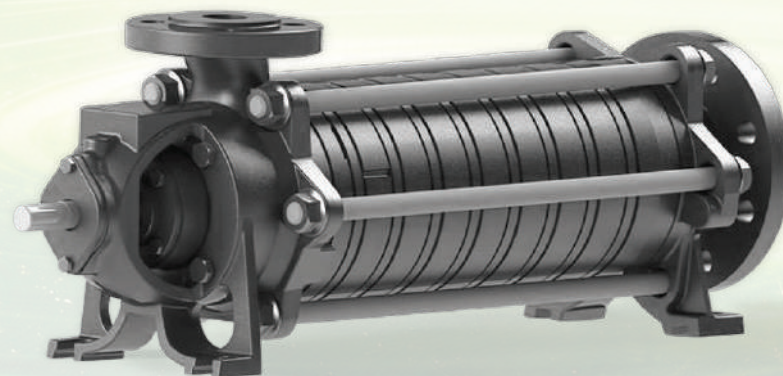
At KOBNI, we specialize in designing and manufacturing advanced fluid handling solutions built for performance, safety, and durability. Our products are engineered to meet the evolving demands of modern industries, delivering reliable operation even in the most challenging environments.

With a strong focus on innovation and precision engineering, KOBNI provides high-efficiency systems for LPG, fuel transfer, and industrial fluid applications. Every product is crafted using premium-grade materials and cutting-edge technology to ensure long-lasting performance and operational excellence.

Our commitment

At KOBNI, we are committed to delivering solutions that exceed industry expectations. Our systems are designed for high efficiency, reduced maintenance, and consistent performance under extreme conditions.

From robust internal components to advanced sealing technologies, every detail is optimized to enhance reliability and safety. Our solutions support continuous operation across a wide temperature range and demanding pressure conditions, making them ideal for critical industrial applications. We continuously strive to innovate and improve, ensuring our customers benefit from efficient, dependable, and future-ready fluid transfer technologies.



Product overview



The KOBN KOBMP Series embodies advanced LPG transfer technology engineered to meet and surpass stringent U.S. standards for safety, efficiency, and durability, including ASME B31.3, NFPA 58, and OSHA 29 CFR 1910.110.

Built for reliability, these heavy-duty, self-priming side-channel pumps ensure smooth and consistent performance even under demanding operating conditions. Designed to handle intensive workloads with ease, the KOBN KOBMP Series is a dependable solution for industrial, commercial, and bulk LPG transfer applications.

Key Advantages



Low-noise

operation for industrial and commercial use



High suction

capability for reliable performance



Corrosion-resistant

construction (SS/ANSI-grade materials)



Design

Modular design for easy maintenance

Innovation That Moves Energy Forward

Innovative LPG transfer technology delivering superior control and dependable performance.



Key advantages

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◆ Superior Suction Performance

Efficiently handles LPG, propane, butane, and clean liquids with entrained gas (up to 20% vapor content). The advanced self-priming design ensures reliable operation, even under low NPSH conditions.

◆ Energy-Efficient Operation

Optimized hydraulic design minimizes power consumption by up to 15% compared to conventional pumps, while maintaining low noise levels (≤ 75 dB) for a safer working environment.

◆ Durable & Corrosion-Resistant Build

Constructed with ANSI-grade stainless steel and high-strength alloy components to withstand chemical exposure and abrasive environments. Optional explosion-proof motor configurations (Class I, Division 1/2) enhance safety in hazardous areas.

◆ Easy Maintenance & Serviceability

Modular construction enables quick replacement of seals, bearings, and impellers without full system disassembly. Standardized ports (2" to 4" NPT) ensure seamless integration with existing setups.



Innovation That Moves Energy Forward

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Technical Specifications

Parameter	Value
Max. Operating Pressure	300 PSI
Ambient Temperature	-20°F to 140°F (-29°C to 60°C)
Max. Flow Rate	Up to 35 m³/h (154 GPM)
Inlet/Outlet Sizes	2" to 4" NPT (varies by model)
Drive System	Direct-coupled, high-efficiency motors



LPG bulk
transfer



Petrochemical
loading/unloading

Portable tank
refueling

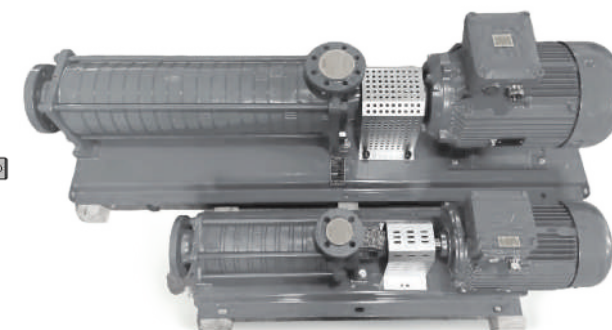
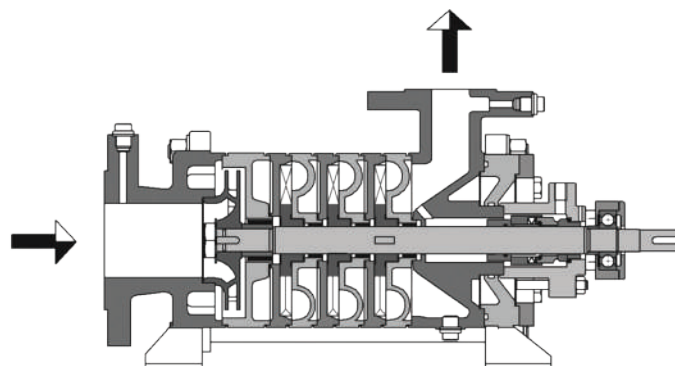
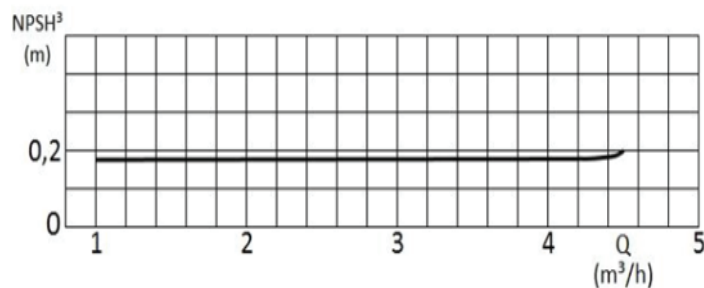
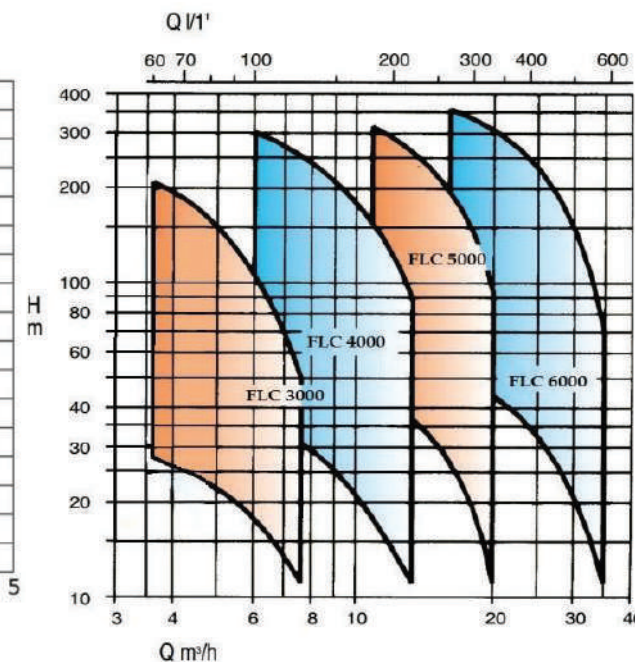
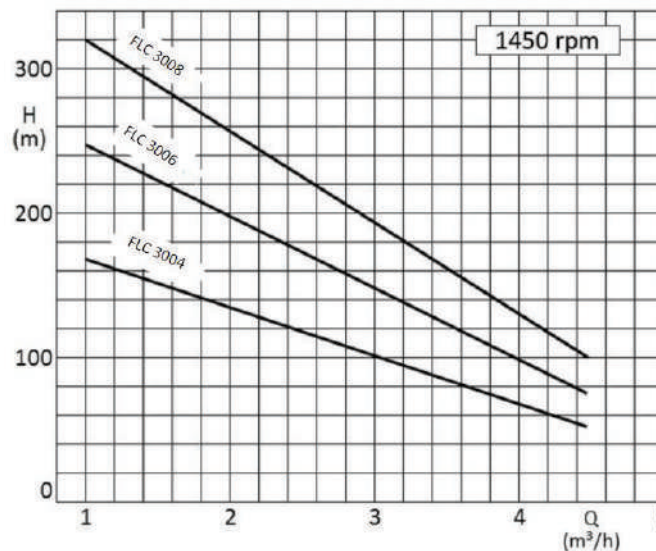
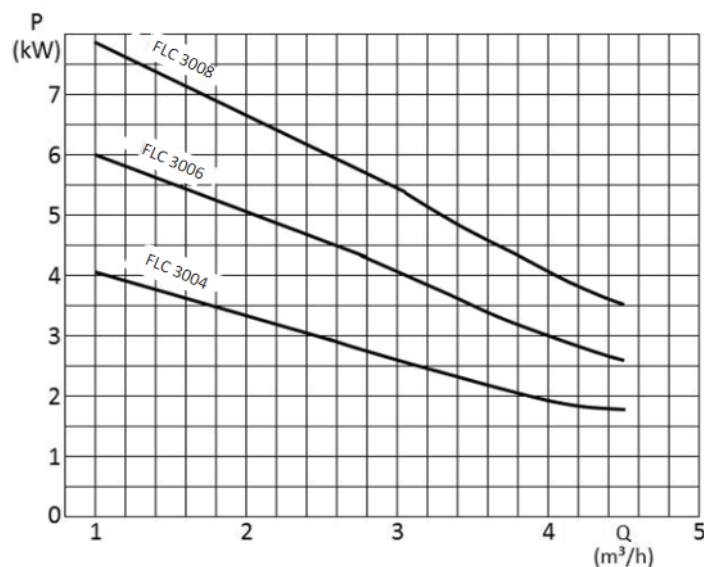


Cylinder filling
stations

KOBN KOBMP SERIES

LPG Transfer Pump Performance Curves

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Innovation That Moves Energy Forward

Innovative LPG transfer technology delivering superior control and dependable performance.

KOBMP SERIES Premium LPG & Fuel Transfer Technology



PUMP DESIGN

Performance Features

1 Robust & Compact Design

Engineered with a strong, space-efficient casing available in multiple configurations, ensuring smooth axial fluid flow with a large cross-sectional design.

2 Optimized Low NPSH Performance

Equipped with a specialized NPSH-stage casing and suction impeller to deliver efficient operation even under low NPSH conditions.

3 Advanced Impeller Design

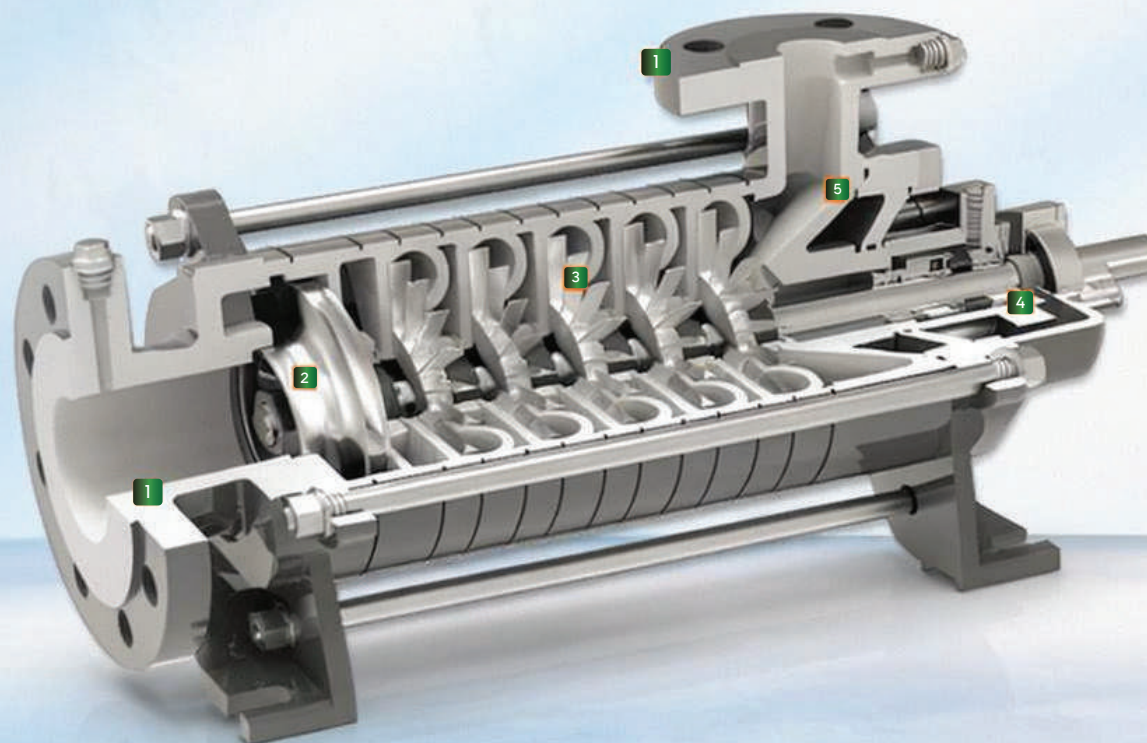
Open-star impeller with balancing holes reduces axial thrust, ensuring stable, vibration-free performance.

4 Versatile Mechanical Sealing

Supports a wide range of application-specific standardized mechanical seals, with component seals designed in compliance with API 682 standards.

5 Thermal Control Flexibility

Designed to allow heating or cooling around the stuffing box area through auxiliary connections for enhanced operational control.



Efficiency That Never Slows Down

From extreme cold environments to high-temperature desert conditions, KOBN KOBMP pumps deliver reliable explosion-proof performance with optimized low-NPSH efficiency. Their modular design enables faster servicing and reduces downtime by up to 80%, ensuring continuous and dependable operation.



CAPACITY Q	m³/h	3,6		4,8		6		7,5	
	L/min	60		80		100		125	
MODEL	FLANGES IN=ø 65 OUT= ø 32	H	kW	H	kW	H	kW	H	kW
KOBMP 3004		108	4,1	82	3,3	59	2,6	28	1,7
KOBMP 3005		132	5	102	4,1	72	3,2	34	2,1
KOBMP 3006		156	5,8	120	4,8	85	3,7	40	2,4
KOBMP 3007		181	6,7	140	5,5	98	4,3	46	2,7
KOBMP 3008		205	7,7	158	6,3	110	4,9	52	3,2
NPSH	m	0,9		0,95		1,1		1,4	
NPSH Δ	m	0,16		0,17		0,18		0,20	

CAPACITY Q	m³/h	6		7,5		9		10,5		12	
	L/min	100		125		150		175		200	
MODEL	FLANGES IN=ø 80 OUT= ø 40	H	kW	H	kW	H	kW	H	kW	H	kW
KOBMP4004		152	8,6	125	7,6	100	6,5	72	5,5	46	4,5
KOBMP4005		188	10,6	158	9,4	124	8,1	90	6,9	58	5,6
KOBMP4006		225	12,6	186	12,1	148	9,6	108	8,2	69	6,7
KOBMP4007		262	14,7	218	13	170	11,2	125	9,4	79	7,7
KOBMP4008		300	16,6	247	14,7	195	12,9	142	10,8	90	8,7
NPSH	m	0,85		0,9		0,95		1,05		1,15	
NPSH Δ	m	0,22		0,24		0,28		0,35		0,45	

CAPACITY Q	m³/h	10,5		12		15		18		20	
	L/min	175		200		250		300		334	
MODEL	FLANGES IN=ø 100 OUT= ø 50	H	kW	H	kW	H	kW	H	kW	H	kW
KOBMP5004		158	16,1	145	15	115	12,9	79	10,5	49	8,4
KOBMP5005		197	20	178	18,5	140	15,8	98	12,8	60	10,1
KOBMP5006		230	23,8	210	22	166	18,6	116	15	70	12
KOBMP5007		270	27,3	245	25,5	195	21,5	135	17,4	81	13,9
KOBMP5008		305	31	280	29	224	24,5	155	19,8	92	15,6
NPSH	m	0,95		1		1,1		1,25		1,35	
NPSH Δ	m	0,35		0,4		0,45		0,55		0,65	

CAPACITY Q	m³/h	16		18		21		24		30		35	
	L/min	267		300		350		400		500		584	
MODEL	FLANGES IN=ø 100 OUT= ø 65	H	kW	H	kW	H	kW	H	kW	H	kW	H	kW
KOBMP6004		179	29	169	27	150	25	126	22,5	79	17,5	35	13
KOBMP6005		221	36	207	33,5	183	30	156	27,5	95	21	42	12,5
KOBMP6006		264	42,5	248	40	219	36	185	32,5	114	25	52	18,5
KOBMP6007		305	49	286	46	252	42	216	37,5	130	28	60	21
KOBMP6008		349	56	327	52,5	289	47,5	245	42,5	150	32,5	69	24
NPSH	m	1,3		1,3		1,3		1,35		1,5		1,65	
NPSH Δ	m	0,36		0,38		0,43		0,5		0,68		0,85	



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