





No matter how hard you run your pump, it's reassuring to know that a simple rebuild kit can be used to get your pump back to like new condition, internally.



# Blackmer® XL Series | Shock-Resistant Pump with Replaceable Components

The XL Series Sliding Vane Pumps feature many internal components that can be easily replaced, such as—vanes, liner, discs, push rods, seals, O-rings, rotor and shaft. Replacing these wear parts when needed will ensure your initial XL Sliding Vane Pump investment will last for years, no matter how demanding your application is.

The shock-resistant, ductile iron XL Series Sliding Vane Pumps are available in five sizes with port sizes ranging from 1-1/4- to 4-in. With flow rates from 4 gpm to 345 gpm (15 to 1,306 L/min), temperatures to 300°F and relief valve pressures to 150 psi (10.3 bar) there is an appropriate sized pump for your application.

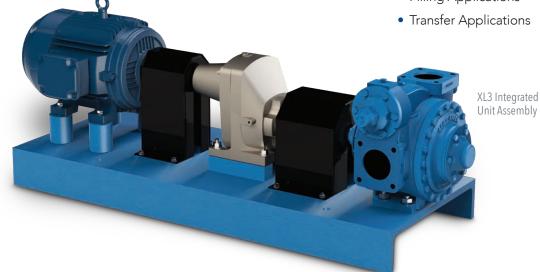


#### Integrated Unit Assembly

Blackmer® fully Integrated Unit Assemblies are the pre-engineered and pre-designed drop-in pumping solution. These unit assemblies, include motor, gearbox, baseplate, XL 2, 2.5, 3-inch Pump and coupling safety covers. No alignment required with these pre-configured fully Integrated Unit Assemblies as they are ready for immediate drop-in installation.

#### **Applications**

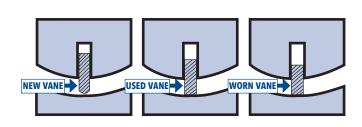
- Refinery Applications
- Lube Oil Plants
- General Industry
- Processing Applications
- Filling Applications

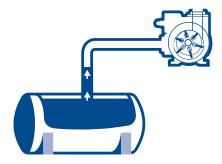


## Self-Priming, Dry Run & Other Benefits of Blackmer Vane Pumps

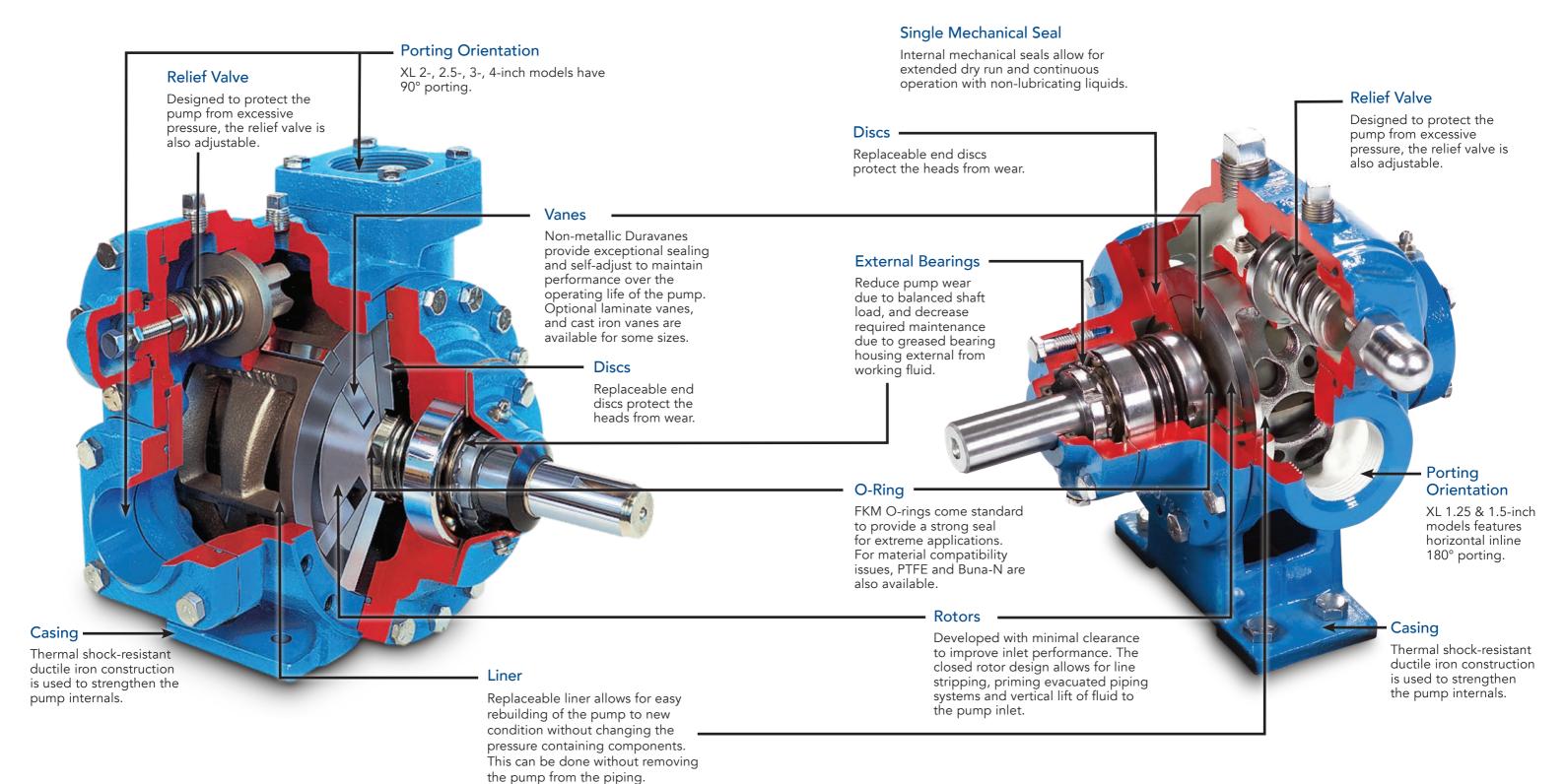
Blackmer positive displacement pumps have revolutionized the pumping industry with their unique sliding vane technology. This revolutionary rotary vane design allows the pumps to self-adjust for wear to help maintain flow rates. This sliding vane pump design creates excellent self-priming and dry-run capabilities, while also providing sustained performance and trouble-free operation.

- Maintain consistent flow rates throughout the life of the pump due to unique sliding vane pump design that self-adjusts for wear
- Sliding vane design provides sustained performance and trouble-free operation
- Easy maintenance: vanes can be easily replaced without removing the pump from the piping system
- Low maintenance and low life-cycle costs, pumps are renewable and repairable
- Highly efficient, sliding vane pumps require less horsepower than other pumps, meaning spending less on motors initially and less on electricity to power the pump
- Excellent at self-priming, eliminates expensive priming systems
- Extended dry-run capability, eliminates nuisance current monitoring systems
- High suction lift abilities that exceed 25 feet (7.6 meters)



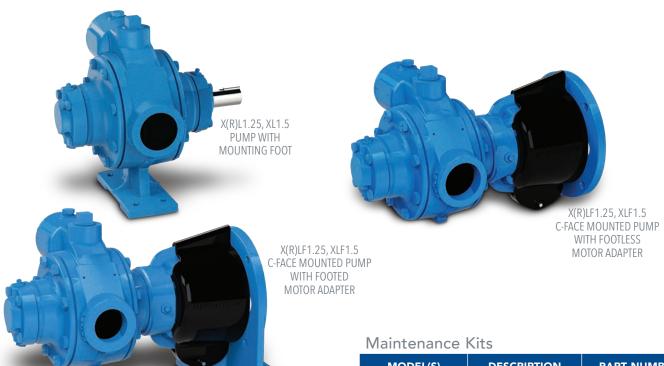


## BLACKMER® XL SERIES SLIDING VANE PUMPS



4 BLACKMER® | XL SERIES LINED GENERAL INDUSTRIAL SLIDING VANE PUMPS

# Blackmer® XL Series | Sliding Vane Pumps



#### Fluid Connections

PUMP MODEL	STANDARD	OPTIONAL		
XRL1.25 XL1.25 XRLF1.25 XLF1.25	1¼" NPT Tapped Ports	-		
XL1.5 XLF1.5	1½" NPT Tapped Ports	_		
XL2	2" NPT Flange	2" Steel Weld 2" ANSI CL 150 RF		
XL3	3" NPT Flange	3" Steel Weld 3" ANSI CL 150 RF		
XL4	4" Steel Weld	3" NPT Flange 3" Steel Weld		

Trialite Trained Tries								
MODEL(S)	DESCRIPTION	PART NUMBER						
XRL1.25, XRLF1.25	Kit - Maintenance	898966						
XRL1.25, XRLF1.25	Kit - Rebuild	899066						
XL1.25, XLF1.25	Kit - Maintenance	898968						
XL1.25, XLF1.25	Kit - Rebuild	899068						
XL1.5, XLF1.5	Kit - Maintenance	898970						
XL1.5, XLF1.5	Kit - Rebuild	899070						
XL2	Kit - Maintenance	898963						
XL2	Kit - Rebuild	899063						
XL3	Kit - Maintenance	898964						
XL3	Kit - Rebuild	899064						
XL4	Kit - Maintenance	898965						
XL4	Kit - Rebuild	899065						

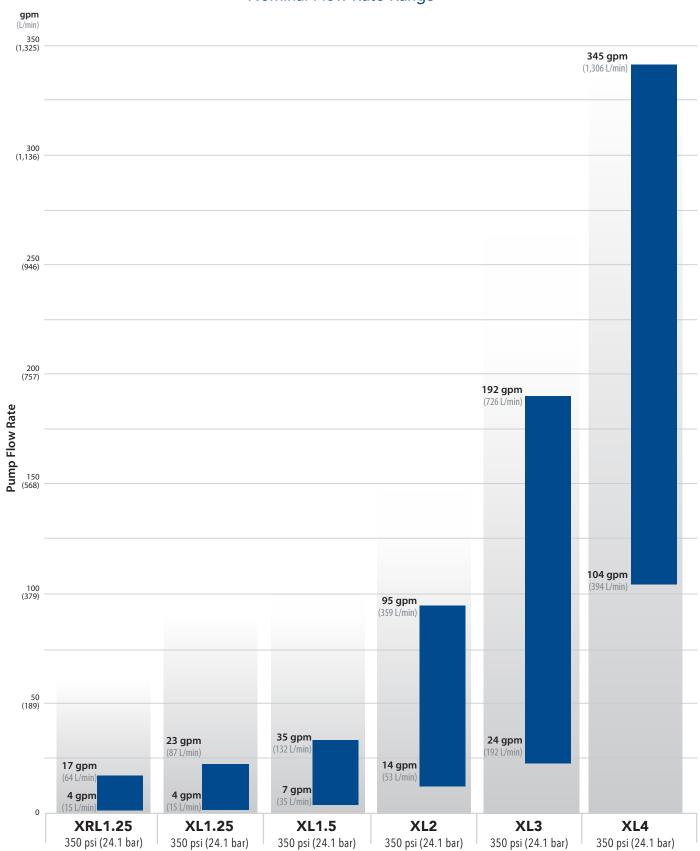
#### **MAXIMUM OPERATING LIMITS**

Pump Model	Nominal Flow Rate Range	Maximum Viscosity	Minimum Operating Temperature	Maximum Operating Temperature	Min./Max. Speed	Maximum Differential Pressure	Maximum Working Pressure
	gpm (L/min)	SSU (cSt)	°F (°C)	°F (°C)	RPM	psi (bar)	psi (bar)
XRL(F)1.25	4 - 17 (15 - 64)	20,000 (4,250)	-25 (-32)	300 (148)	100 / 1800	150 (10.3)	350 (24.1)
XL(F)1.25	4 - 23 (15 - 87)	20,000 (4,250)	-25 (-32)	300 (148)	100 / 1800	150 (10.3)	350 (24.1)
XL(F)1.5	7 - 35 (35 - 132)	20,000 (4,250)	-25 (-32)	300 (148)	100 / 1800	150 (10.3)	350 (24.1)
XL2	14 - 95 (53 - 359)	20,000 (4,250)	-25 (-32)	300 (148)	125 / 780	150 (10.3)	350 (24.1)
XL3	24 - 192 (192 - 726)	20,000 (4,250)	-25 (-32)	300 (148)	125 / 780	150 (10.3)	350 (24.1)
XL4	104 - 345 (394 - 1,306)	20,000 (4,250)	-25 (-32)	300 (148)	125 / 780	150 (10.3)	350 (24.1)

**Note:** Optional materials of construction may be required to meet specific application requirements – refer to Blackmer Material Specification Sheets. For operating conditions that exceed those listed, consult factory.

### Blackmer® XL Series Sliding Vane Pumps | Performance





Maximum Differential Pressure 150 psi (10.3 bar)

(Internal relief valve setting)



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Where Innovation Flows

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