

# XLW Series

HEAVY-DUTY DUCTILE-IRON PUMP FOR HANDLING  
LIQUIDS WITH SUSPENDED PARTICLES



*Blackmer*

Where Innovation Flows



Not all fluids are smooth so handling fluids with suspended particles can pose major challenges for the wrong pump. Blackmer® XLW Series Sliding Vane Pumps, constructed from hardened ductile iron, are designed to handle fluids with suspended abrasive particles up to 250 microns and 25% concentration and viscosities from 1 to 15,750 cP.

## WEAR-RESISTANT, ABRASIVE-LIQUID PUMPS

## Blackmer® XLW Series | Ductile-Iron Pump Capable of Handling Liquids with Suspended Particles

With replaceable wear surfaces for vanes, liners and end discs, the XLW Sliding Vane Pump can be easily rebuilt to like-new condition even after dealing with abrasive particles. Models are available in 2-, 3- and 4-inch port sizes with flow rates up from 14 to 190 gpm (53 to 719 L/min). XLW Pumps also have many options for O-rings, mechanical seals, relief valves, springs, vanes and rotors, allowing customization to your specific application.

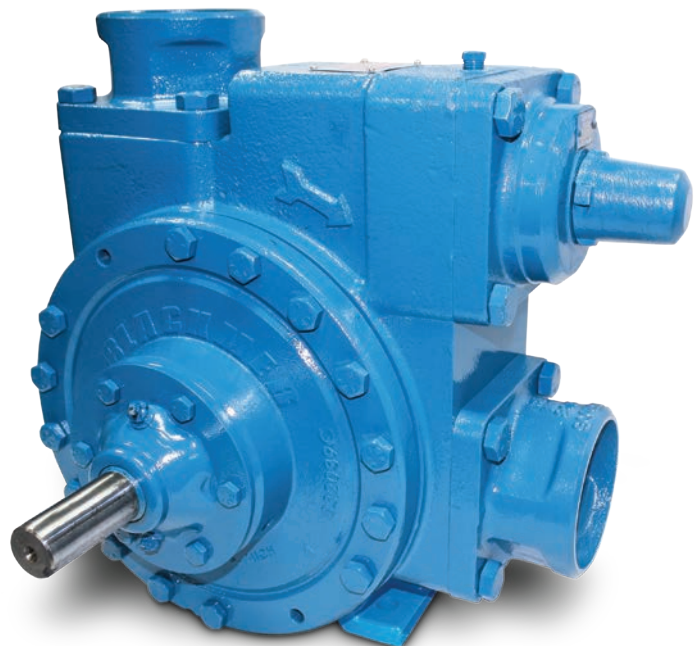
Utilizing unique Blackmer sliding vane designs, these positive displacement rotary pumps offer the best combined characteristics of sustained high-level performance, energy efficiency, trouble-free operation and low maintenance cost.

### Applications

- Oxide Primers
- Inks
- Paints
- Adhesives
- Vertical/Horizontal Bead Mills
- Solvent Recovery
- Varied Oil Applications
  - Tank-Bottom Recirculation
  - Heat-Treater Supply
  - Enhanced Oil Recovery
  - Crude or Hot Oil Transfer

### 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, coupling safety covers and a XLW Sliding Vane Pump. No alignment is required with these pre-configured fully Integrated Unit Assemblies as they are ready for immediate drop-in installation.



# Blackmer® XLW Series Sliding Vane Pumps | Performance

## MAXIMUM OPERATING LIMITS

Pump Model	Nominal Flow Rate Range	Viscosity	Minimum Operating Temperature	Maximum Operating Temperature	Min./Max. Speed	Maximum Differential Pressure	Maximum Working Pressure
	gpm (L/min)	cP	°F (°C)	°F (°C)	RPM	psi (bar)	psi (bar)
XLW2	14 - 40 (53 - 151)	1 - 15,750	-25 (-32)	300 (149)	56 - 350	150 (10.3)	350 (24.1)
XLW3	23 - 85 (87 - 322)	1 - 15,750	-25 (-32)	300 (149)	56 - 350	150 (10.3)	350 (24.1)
XLW4	104 - 190 (394 - 719)	105 - 4,250	-25 (-32)	300 (149)	125 - 350	150 (10.3)	350 (24.1)

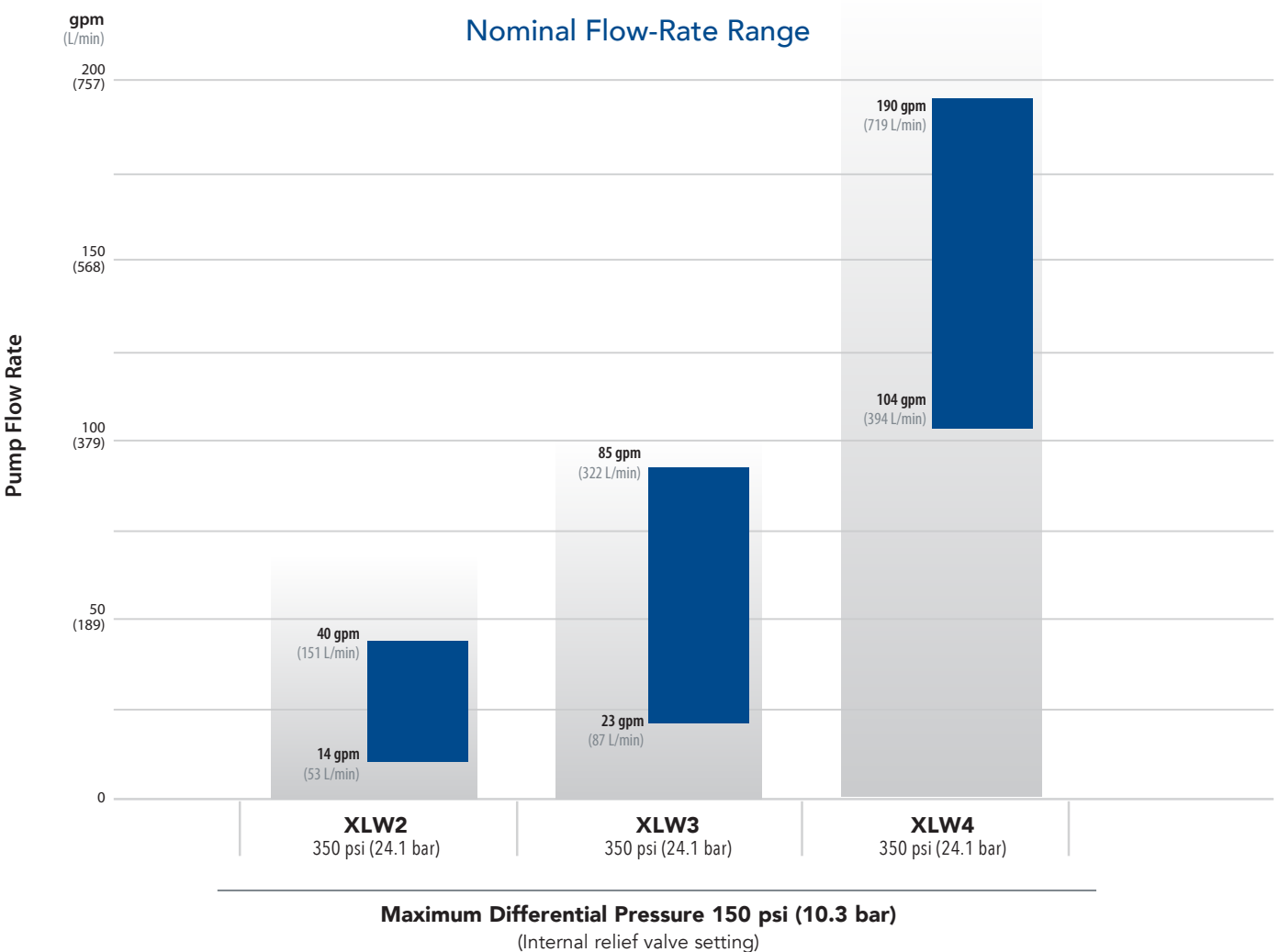
**Note:** Optional materials of construction may be required to meet specific application requirements – refer to Blackmer Material Specification Sheets. For operating conditions that exceed those listed, consult factory.

## Companion Flanges

Pump Model	Standard	Optional
XLW2	2" NPT	2" ANSI, Weld
XLW3	3" NPT	3" ANSI, Weld
XLW4	4" Weld	3" NPT

## Maintenance/Rebuild Kits

Pump Model	Maintenance Kit	Rebuild Kit
XLW2	898974	899074
XLW3	898975	899075
XLW4	899176	899276





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