

Ordering Information

LKN	45	A	—	VC
Pump Series	Capacity/Pressure	Motor		Liquid End Materials

PUMP SERIES

LKN = LKN Series motor-driven metering pump with NEMA 42C motor mounting flange

CAPACITY/PRESSURE RATING

See chart on this page

MOTOR CODE

- A = 115/230V, 60 Hz, 1 phase, 1/3 HP, 1725RPM, TEFC Frame 42C
- B = 230/460V, 60Hz, 3 phase, 1/3 HP, 1725 RPM, TEFC Frame 42C
- C = 190/380/230/460V, 50/60Hz, 3 phase, 1/3 HP, 1450/1725 TEFC Frame 42C
- D = 90VDC, 1 phase, 1/3 HP, 1750 RPM, TENV Frame 42C Variable Speed Motor, 115V Control
- E = 180VDC, 1 ph, 1/3 HP, 1750 RPM, TENV Frame 42C Variable Speed Motor, 230V Control
- F = 230/460V, 60Hz, 3 ph, 1/3 HP, 1725 RPM, Explosion Proof Motor, Class 1, Div.1, Group C & D
- G = 230/460V, 60 Hz, 3ph, 1/3 HP, 1725 RPM, Inverter Duty Motor, TENV, 42C
- N = No motor option / used with special motor requirements

LIQUID END MATERIALS

See chart on this page

Notes:

- Walchem recommends the installation of a pressure relief valve and a pulsation dampener in the discharge line of the LK Series pumps. Contact your Walchem distributor for these and other control and accessory products from Walchem.
- Maximum viscosity at rated output is 1000 cps for VS and S6, 500 cps for VH and 300 cps for VC and TC.

Capacity and Pressure Rating

Model	Capacity*		Max. Pressure PSI		Stroke Speed IPM		Connections	Net Weight lbs	
	LPH@ 50 Hz	GPH @ 60 Hz	PVC/PVDF	SS	50 Hz	60 Hz	NPT	PVC/PVDF	SS
LKN32	30	9.5	150	225	96	116	1/2"	26	37
LKN45	50	15.9	150	225	48	58	1/2"	31	46
LKN47	100	31.8	120	120	96	116	1/2"***	31	46
LKN55	158	53.4	75	75	48	58	1"	35	57
LKN57	360	114.3	45	45	96	116	1"	35	57

* Capacities listed are at max. pressure

** LKN47 with VS liquid end has 1" NPT connections

Liquid End Materials

Type	VC	VH	VS	TC	S6
Application	Acid	Alkaline	Viscosity & slurries	Strong Acids	Solvents
Pump head	PVC	PVC	PVC	PVDF	SS316
Valve ball	CE	HC	HD/SS304	Alumina Ceramic	HC
Valve seat					
Type 32	FKM	EPDM	SS304	FKM	SS316
Type 45 to 57	PVC	PVC	SS304	PVDG	SS316
O-ring	FKM	EPDM	EPDM	FKM	-----
Valve gasket	PTFE	PTFE	PTFE	PTFE	PTFE
Diaphragm	PTFE + EPDM				

- CE Alumina Ceramic
- FKM Fluoroelastomer
- HC Hastelloy C276
- PVDF Polyvinylidene fluoride
- EPDM Ethylene propylene diene monomer

ABOUT US

Walchem integrates its advanced sensing, instrumentation, fluid pumping and communications technologies to deliver reliable and innovative solutions to the global water treatment market.

Our in-house engineering is driven by quality, technology and innovation. For more information on the entire Walchem product line, visit: www.walchem.com



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