

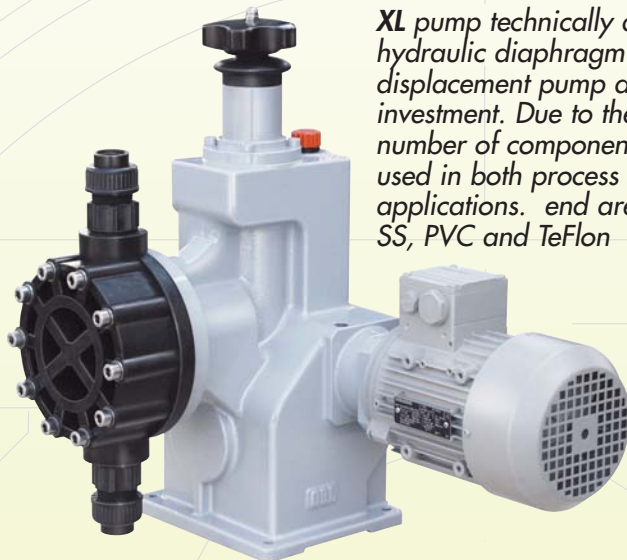
HYDRAULIC DIAPHRAGM NO LOSS OF MOTION METERING PUMPS

HYDRAULIC DIAPHRAGM PUMP WITH CAST IRON MONOBLOC CONSTRUCTION

UXL/UXLB series pumps are hydraulic diaphragm no loss of motion metering pumps, with micrometer stroke length adjustment, flow adjustment is by controlled bypass of the hydraulic oil. This design incorporates a built-in pressure relief valve and mechanically actuated oil replenishing system, and meets **API Standards 675**. + 1% accuracy within 10 to 100% of nominal flow rate

TECHNICAL DATA

Model	SPM	GPH	PSI	Connections		Maximum Suction Lift In Feet In W.C.	Weight without motor		Motor HP	Liquid Ends available per pump
				Threaded	Flanged		SS	PVC		
60 Hz										
UXLB 15.5	20	175	48	1/2": NPT	1/2", 150#. ANSI	6.5	135	135	1/2	Info
UXLB 25.5	33	175	48	1/2": NPT	1/2", 150#. ANSI	6.5	135	135	1/2	
UXLB 25.5	49	175	72	1/2": NPT	3/4", 150#. ANSI	6.5	135	135	1	
UXLB 25.5	68	175	96	3/4": NPT	3/4", 150#. ANSI	6.5	135	135	1	
UXLB 25.5	82.4	175	121	3/4": NPT	3/4", 150#. ANSI	6.5	135	135	1	
UXLB 25.5	101.4	160	144	1": NPT	1", 150#. ANSI	6.5	135	135	1	
UXLB 25.5	117.3	150	168	1": NPT	1", 150#. ANSI	6.5	135	135	1	



XL pump technically advanced hydraulic diaphragm positive displacement pump a great investment. Due to the reduced number of components. It can be used in both process and utility applications. end are PVC, PP & SS, PVC and TeFlon

- The diaphragm is held independently of the pump head, so that when the head is dismantled, the diaphragm is retained in the body and no oil is lost. This significantly improves the ease of maintenance.

- Double Diaphragms available with breakage indication

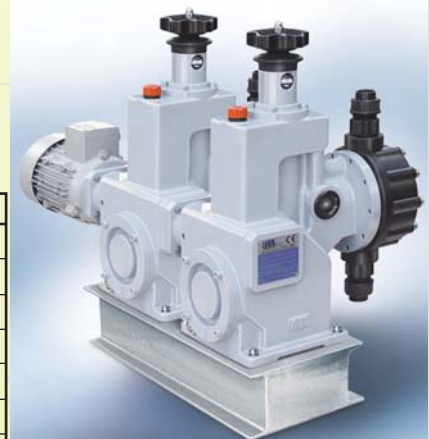
- Maintenance is reduced to a minimum. The plunger operates in a oil bath, without packing, and maintains as-new volumetric efficiency even after 50,000 working hours. The diaphragm is protected by the built-in pressure relief valve and the mechanically actuated oil-replenishing system. The diaphragm has a working life in excess of 50,000 hours.

- ± 1% accuracy within 10 to 100% of the nominal flow rate.

MULTIPLE PUMP UNITS

- **XL** metering pumps can be built as multiple units.

- Each liquid end, in the multiple unit, can have a separate stroke adjustment, adjustable either, while stationary or while running.



UXL

Max. flow rate: **117.3** GPH
 Max. pressure: **175** PSI
 Motors: **56C, 145TC NEMA Frame, 1/2 HP & 1 P**

MATERIALS OF CONSTRUCTION

Model	PP	P11	PP22	MA-MMA	MP-MMP	MS-MMS
LIQUID END	PP	PP	PP	SS 316L	PVC	PVDF
DIAPHRAGM	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE
VALVE SEAT	PVC	316L (SS)	INCOLOY 925	SS 316L	PVC	PVDF
BALL GUIDE	PP	PP	PP	SS 316L	PP	PVDF
VALVE BALL	PYREX	316L (SS)	HASTELLOY C	SS 316L	PYREX	PYREX
VALVE HOUSING	PP	PP	PP	SS 316L	PVC	PVDF
VALVE SEAL	FPM	FPM	FPM	FPM	FPM	FPM

↓ HYDRALIC DIAPHRAGM NO LOSS OF MOTION METERING PUMPS

UXLB is a hydraulic diaphragm positive displacement pump suitable for process applications. It has a heavy duty assembly for **higher pressures**, UP TO 365 PSI. 316L (SS)& PVDF Liquid Ends, API 675

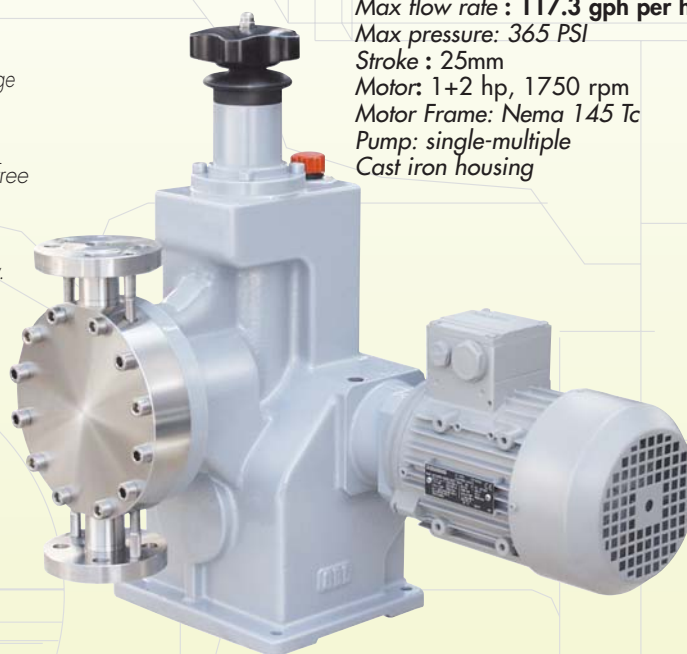
↓ TECHNICAL DATA

Model	GPH	PSI			Connections				Maximum Suction Lift In Feet W.C.	Weight without motor		Motor HP		Liquid Ends available per pump
		SS	PVC	SPM	Threaded		Flanged			SS	PVC	SS	PVC	
					SS	PVDF	SS	PVDF						
60 Hz														
UXLB 15.5	20	365	220	48	1/2": NPT	N/A	1/2": 300#. ANSI	1/2": 150#. ANSI	6.5	Info	Info	1	1	Info
UXLB 25.5	33	365	220	48	1/2": NPT	N/A	1/2": 300#. ANSI	1/2": 150#. ANSI	6.5			1	1	
UXLB 25.5	49	365	220	72	1/2": NPT	N/A	3/4": 300#. ANSI	3/4": 150#. ANSI	6.5			2	1	
UXLB 25.5	68	365	220	96	1/2": NPT	N/A	3/4": 300#. ANSI	1". 150#. ANSI	6.5			2	1	
UXLB 25.5	82.4	365	220	121	1/2": NPT	N/A	3/4": 300#. ANSI	1". 150#. ANSI	6.5			2	2	
UXLB 25.5	101.4	295	220	144	1/2": NPT	N/A	1": 300#. ANSI	1". 150#. ANSI	6.5			2	2	
UXLB 25.5	117.3	235	220	168	1/2": NPT	N/A	1": 300#. ANSI	1". 150#. ANSI	6.5			2	2	

CONSTRUCTION CHARACTERISTICS

- The hydraulic system with its mechanically actuated oil replenishing (smart diaphragm) system overcomes many common suction and discharge problems.
- Hydraulic diaphragm positive displacement pump (API 675 STD) for continuous operation and extreme running safety (leak-free head) with Cast Iron monobloc construction.
- Smooth and linear adjustment, whether stationary or running. Stroke adjustment is made by use of a handwheel with 0-100% digital display.
- ± 1% accuracy within 10 to 100% of the nominal flow rate.
- Double diaphragms available with breakage indication.

Max flow rate : 117.3 gph per head
 Max pressure: 365 PSI
 Stroke : 25mm
 Motor: 1+2 hp, 1750 rpm
 Motor Frame: Nema 145 Tc
 Pump: single-multiple
 Cast iron housing



MANUAL ADJUSTMENT

- Micrometer control reading 0-100%, in 0, 1%;
- With sealed magnifying lens indicator.



MULTIPLE PUMP UNITS

- UXLB metering pumps can be built as multiple units.
- Each pump, in a multiple unit, can have a separate stroke adjustment, adjustable either stationary or while running.
- Each pump head can have a separate stroke rate since each has its own reduction gear.
- A multiple unit is driven by a single motor.



MATERIALS OF CONSTRUCTION

MODEL	MA-MMA	MAZZ-MMSZZ	MS-MMS
LIQUID END	AISI 316L	AISI 316L	PVDF
BALL GUIDE	AISI 316L	AISI 316L	PVDF
VALVE SEAT	AISI 316L	INCOLOY 825	PVDF
VALVE BALL	AISI 316L	HASTELLOY C	PYREX
VALVE SEAL	VITON (FPM)	VITON (FPM)	FPM
DIAPHRAGM	TEFLON (PTFE)	TEFLON (PTFE)	PTFE