

**HYDRAULIC DIAPHRAGM NON-LOSS MOTION METERING PUMPS**

**UXMLB** series pumps are hydraulically actuated diaphragm positive displacement pumps suitable for process applications. They have a heavy duty assembly for **higher pressures**, up to **365 psi**. Available with 316LSS or PVDF liquid ends and meets API 675 standards.

**TECHNICAL DATA**

Model	SPM	GPH	(L/h)	Maximum Working Pressure				Connections				NPSHr Feet W.C.		Motor HP			
				PSI (BAR)		Threaded		Flanged		SS	PVDF	SS	PVDF	SS	PVDF		
				SS	PVDF	SS	PVDF	SS	PVDF								
<b>60 Hz</b>																	
UXMLB 15.50	48	20	(75)	365	(25)	220	(15)	1/2" NPT	N/A	1/2" 300#	1/2" 150#	26.2	22.9	1	1		
UXMLB 25.50	48	33	(125)	365	(25)	220	(15)	1/2" NPT	N/A	1/2" 300#	1/2" 150#	19.6	19.6	1	1		
UXMLB 25.50	72	49	(185)	365	(25)	220	(15)	1/2" NPT	N/A	3/4" 300#	3/4" 150#	19.6	19.6	2	1		
UXMLB 25.50	96	68	(257)	365	(25)	220	(15)	3/4" NPT	N/A	3/4" 300#	1" 150#	22.9	22.9	2	1		
UXMLB 25.50	121	82.4	(311)	365	(25)	220	(15)	3/4" NPT	N/A	3/4" 300#	1" 150#	22.9	26.2	2	2		
UXMLB 25.50	144	101.4	(383)	295	(20)	220	(15)	1" NPT	N/A	1" 300#	1" 150#	26.2	26.2	2	2		
UXMLB 25.50	168	117.3	(444)	235	(16)	220	(15)	1" NPT	N/A	1" 300#	1" 150#	29.5	29.5	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 high 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% 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  
 Working pressure: 365 PSI  
 Stroke Length : 15mm & 25mm  
 Motor: 1 & 2 HP, 1750 rpm  
 Motor Frame: NEMA 56C, 143C & 145TC  
 Pump: single-multiple heads  
 Housing: Cast Iron

**MANUAL ADJUSTMENT**

- Micrometer control reading 0 -100%, in 0.1% graduations.
- Sealed magnifying lens indicator.



**MULTIPLE PUMP UNITS**

- UXMLB metering pumps can be built as multiple units. Up to 6 heads.
- 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.



**PUMP HEAD MATERIALS OF CONSTRUCTION**

PARTS	MA-MMA	MS-MMS
LIQUID END	316L SS	PVDF
VALVE SEAT	316L SS	PVDF
VALVE BALL	316L SS	PYREX
VALVE SEAL	FKM	FKM
DIAPHRAGM	PTFE	PTFE