



# MECHANICAL DIAPHRAGM



**Metering Pump**

**KEEP BUSINESS  
PUMPING**

## Quality Standards

- Flow capacities up to 165GPH (625 LPH) per liquid end
- Multiplex: two to four separate liquid ends, each with independent gear ratio
- Completely metallic gear drive with hardened eccentric submerged in oil
- Multilayered PTFE diaphragm with reinforced backing
- No degassing valve required
- Anodized aluminum housing, power coated to provide protection against the harshest chemicals
- PVC, PVDF, 316L SS Standard

**\*Alloy 20, Hastelloy available**

### General STD Features

- Lost motion metering pump
- NEMA 56C and IEC B14 MOTORS
- Liquid-end 316L SS and PVC
- Pressure up to 150 PSI (10 bar)
- Temperature up to 113°F (45°C)
- Threaded connections female NPT
- Multi-layered Diaphragm
- Excellent suction lift capability
- Oil bath for extended gear and bearing life



*Stainless Steel, PVDF, PVC*

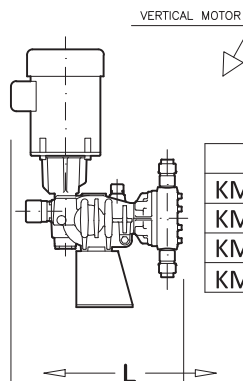
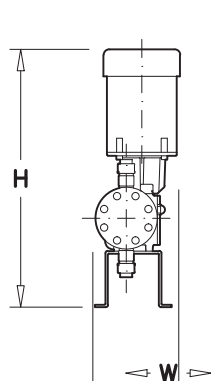
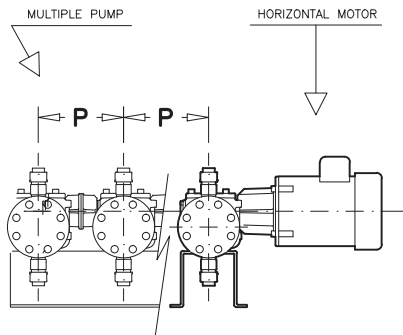
All the “K” pump designs (KM, KP, KH) can be coupled together in the same multiplex unit



Multiplex

### Optional Features

- Vertical or horizontal motor mount
- Liquid-end: PVDF, PTFE, Alloy 20, hastelloy
- Flanged connections
- Hazardous area protection



### OVERALL DIMENSIONS

DIM	L	W	H	P
KM70	14.6(370)	6.7(107)	24(610)	8(203)
KM102	15(381)	7.3(185)	24(610)	8(203)
KM132	16(406)	8.3(210)	24(610)	8(203)
KM162	16(406)	8.9(226)	24(610)	8(203)

\* H Value refers to NEMA Motor 0,5 HP frame 56 C

## KM - Pump Performance Chart

Model	SPM @ 1750 rpm	Capacity @ 60HZ		Pressure		Connection		Motor
		GPH	LPH	PSI	BAR	NPT / BPT	Flange	
KM70	20	1.0	3.8	150	10	1/2"	1/2"	1/2 Hp
	31	1.5	5.7	150	10	1/2"	1/2"	1/2 Hp
	46	2.2	8.3	150	10	1/2"	1/2"	1/2 Hp
	60	2.9	11	150	10	1/2"	1/2"	1/2 Hp
	76	3.8	14	150	10	1/2"	1/2"	1/2 Hp
	92	4.6	17	150	10	1/2"	1/2"	1/2 Hp
	106	5.3	20	150	10	1/2"	1/2"	1/2 Hp
	121	6.1	23	150	10	1/2"	1/2"	1/2 Hp
KM102	20	5.0	19	150	10	1/2"	1/2"	1/2 Hp
	31	7.7	29	150	10	1/2"	1/2"	1/2 Hp
	46	11.1	42	150	10	1/2"	1/2"	1/2 Hp
	60	15.1	57	150	10	1/2"	1/2"	1/2 Hp
	76	19.3	73	150	10	1/2"	1/2"	1/2 Hp
	92	23.8	90	150	10	1/2"	1/2"	1/2 Hp
	106	27.2	103	150	10	1/2"	1/2"	1/2 Hp
	121	31.2	118	150	10	1/2"	1/2"	1/2 Hp
KM132	20	12.7	48	150	10	3/4"	1	3/4 Hp
	31	19.3	73	150	10	3/4"	1	3/4 Hp
	46	28.5	108	150	10	3/4"	1	3/4 Hp
	60	38.3	145	150	10	3/4"	1	3/4 Hp
	76	48.9	185	150	10	3/4"	1	3/4 Hp
	92	60.5	229	150	10	3/4"	1	3/4 Hp
	106	69.5	263	150	10	3/4"	1	3/4 Hp
	121	79.3	300	150	10	3/4"	1	3/4 Hp
KM162	20	22.2	84	85	6	1	1	3/4 Hp
	31	34.1	129	85	6	1	1	3/4 Hp
	46	50.5	191	85	6	1	1	3/4 Hp
	60	67.7	256	85	6	1	1	3/4 Hp
	76	86.1	326	85	6	1	1	3/4 Hp
	92	107	404	85	6	1	1	3/4 Hp
	106	123	465	85	6	1	1	3/4 Hp
	121	140	528	85	6	1	1	3/4 Hp
138	165	626	85	6	1	1	3/4 Hp	



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