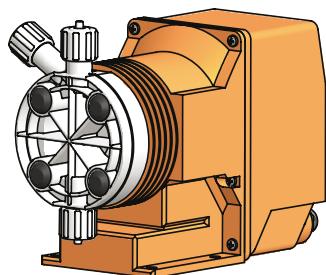
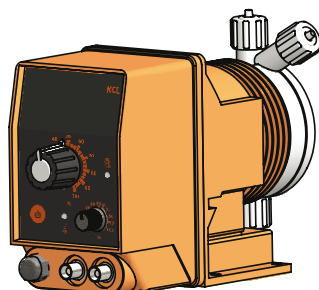


"K" series metering pumps

Data Sheet

"KA DIGITAL Self Venting"

Configuration



Power supply: 230 VAC (190÷265 VAC)
 Power supply: 115 VAC (90÷135 VAC)
 Power supply: 24 VAC (20÷32 VAC)
 Power supply: 12 VDC (10÷16 VDC)



Model K - CO 2001 V 00 00

| MODELS | | |
|----------|--------------|--|
| Standard | Self Venting | |
| CO | OA | "KCO" Constant pump with stroke speed (frequency) adjustment and stroke length adjustment. |
| CL | LA | "KCL" Constant pump with level control, stroke speed (frequency) adjustment and stroke length adjustment. |
| IS | CS | "KIS" Constant-Proportional pump driven by external digital signal, with level control: to each external pulse. |
| PV | AV | "KPV" Constant-Proportional pump driven by external digital signal, with pulse divider mode (ratio 1 to 100) and level control. |
| MV | AM | "KPM" Constant-Proportional pump driven by external digital signal, level control, with pulse divider mode (ratio 1 to 100) and multiplier mode (ratio 1 to 10). |
| IC | AI | "KIC" Constant-Proportional pump driven by current signal (0/4mA=0 pulses ;20mA = max pulses) and level control. |

| CAPACITIES | | | HOSES | VALVES |
|------------|-----------------|---------------------|-------|--------|
| 2001 | 1 l/h at 20 bar | 0.26 GPH at 290 PSI | 4x6 | 3/8" |
| 1802 | 2 l/h at 18 bar | 0.53 GPH at 261 PSI | 4x6 | 3/8" |
| 1504 | 4 l/h at 15 bar | 1.06 GPH at 217 PSI | 4x6 | 3/8" |
| 1005 | 5 l/h at 10 bar | 1.32 GPH at 102 PSI | 4x6 | 3/8" |
| 0808 | 8 l/h at 8 bar | 2.11 GPH at 116 PSI | 4x6 | 3/8" |
| 0510 | 10 l/h at 5 bar | 2.64 GPH at 58 PSI | 4x6 | 3/8" |
| 0218 | 18l /h at 2 bar | 4.76 GPH at 29 PSI | 6X8 | 3/8" |

| CAPACITIES SELF VENTING MODELS | | | | |
|--------------------------------|-------------------|---------------------|-----|------|
| 1801 | 1 l/h at 18 bar | 0.26 GPH at 261 PSI | 4x6 | 3/8" |
| 1503 | 3 l/h at 15bar | 0.79 GPH at 217 PSI | 4x6 | 3/8" |
| 103,5 | 3,5 l/h at 10 bar | 0.92 GPH at 145 PSI | 4x6 | 3/8" |
| 085,5 | 5,5 l/h at 8 bar | 1.45 GPH at 116 PSI | 4x6 | 3/8" |
| 057,5 | 7,5 l/h at 5 bar | 1.98 GPH at 72 PSI | 4x6 | 3/8" |
| 0213 | 13 l/h at 2 bar | 3.43 GPH at 29 PSI | 6X8 | 3/8" |

| POWER SUPPLY | |
|---------------------------------|-------------------------|
| 00 | 230 VAC Schuko plug |
| 0S | 230 VAC Australian plug |
| 01 | 230 VAC Whitout plug |
| 03 | 115 VAC US plug |
| 04 | 24 VAC Whitout plug |
| 05 | 12 VDC * |
| 07 | 24 VDC |
| * Not available on some models. | |

| LIQUID ENDS | | | | | | | | |
|-------------|-----------|-------------------|---------------|------------------------|-----------|-------------|---------|----------------------|
| | Pump head | Orings | Valves | | Diaphragm | Hoses | | Viscosity Max CPS |
| | | | Body | Balls | | Delivery | Suction | |
| V | PVDF | Viton® | PVDF | Ceramic | PTFE | PVDF | PVC | 100 |
| D | PVDF | Etylene Propylene | PVDF | Ceramic | PTFE | PVDF | PVC | 100 |
| W | PVDF | Nytrile | PVDF | Ceramic | PTFE | PVDF | PVC | 100 |
| T | PVDF | Viton®+PTFE | PVDF | Ceramic | PTFE | PVDF | PVC | 100 |
| A | Acrylic | Viton® | Polypropylene | Ceramic | PTFE | Polyethylen | PVC | 100 |
| Z | INOX | Viton® | INOX | INOX | PTFE | N/A | N/A | 100 |
| \$ | Acrylic | Viton® | Polypropylene | INOX+ Hastelloy spring | PTFE | Polyethylen | PVC | 8000* |

Viton® is a registered trademark of DuPont Dow Elastomers.

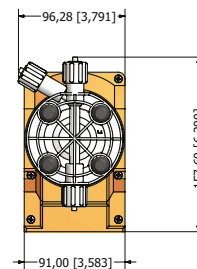
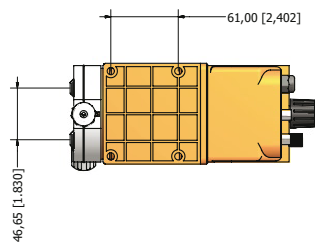
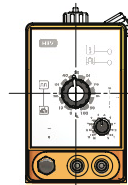
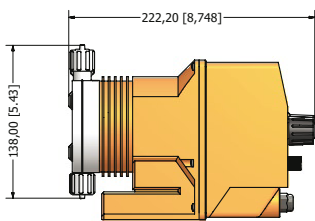
* Using high viscosity pup head model "\$" , pump output may results lower in some applications.

"K" series metering pumps

Data Sheet

"KA DIGITAL Self Venting"

| INFORMATION | | | | | | | | |
|------------------------------------|--------------|----------------|---------------------------------|--|--|---|---------------------------------------|-------------------|
| | Stroke speed | | Stroke length range reliability | Power consumption at max flow (230VAC) | Power consumption at max flow (115VAC) | Power consumption at max flow (24VAC/VDC) | Power consumption at max flow (12VDC) | Weight |
| | Min | Max | | | | | | |
| | Strokes hour | Strokes minute | | | | | | |
| 2001 | 1 | 180 | from 30% to 100% | 19 Watt | 24 Watt | 12 Watt | 8.8 Watt | 4.1 Kg (9.02 Lbs) |
| 1802 | 1 | 180 | | | | | | |
| 1504 | 1 | 180 | | | | | | |
| 1005 | 1 | 180 | | | | | | |
| 0510 | 1 | 180 | | | | | | |
| 0218 | 1 | 180 | | | | | | |
| INFORMATION FOR SELF VENTING MODEL | | | | | | | | |
| 1801 | 1 | 180 | from 30% to 100% | 19 Watt | 24 Watt | 12 Watt | 8.8 Watt | 4.1 Kg (9.02 Lbs) |
| 1503 | 1 | 180 | | | | | | |
| 103,5 | 1 | 180 | | | | | | |
| 057,5 | 1 | 180 | | | | | | |
| 0213 | 1 | 180 | | | | | | |



mm [inches]

Protection IP65 (NEMA4x)

"K" metering pumps are manufactured in molded glass filled and Polypropylene housing aggressive chemicals and tough environment.

| INFORMATION | | | | | | | | |
|---------------------------------|----------|---------|---------|---------|---------------|------|--------------|---------|
| | Flow | | | | cc per stroke | | max pressure | |
| | Min cc/h | Max l/h | Min GPH | Max GPH | Min | Max | | |
| 2001 | 29.16 | 1 | 0.008 | 0.26 | 0.03 | 0.09 | 20 bar | 290 PSI |
| 1802 | 61.56 | 2 | 0.016 | 0.53 | 0.06 | 0.19 | 18 bar | 261 PSI |
| 1504 | 118.8 | 4 | 0.031 | 1.06 | 0.11 | 0.37 | 15 bar | 217 PSI |
| 1005 | 151.2 | 5 | 0.040 | 1.32 | 0.14 | 0.46 | 10 bar | 145 PSI |
| 0808 | 237.6 | 8 | 0.063 | 2.11 | 0.22 | 0.74 | 8 bar | 116 PSI |
| 0510 | 302.4 | 10 | 0.080 | 2.64 | 0.28 | 0.93 | 5 bar | 72 PSI |
| 0218 | 540 | 18 | 0.143 | 4.76 | 0.50 | 1.67 | 2 bar | 29 PSI |
| INFORMATION SELF VENTING MODELS | | | | | | | | |
| 1801 | 29.16 | 1 | 0.008 | 0.26 | 0.03 | 0.09 | 18 bar | 261 PSI |
| 1503 | 86.4 | 3 | 0.023 | 0.79 | 0.08 | 0.28 | 15 bar | 217 PSI |
| 103,5 | 108 | 3.5 | 0.029 | 0.92 | 0.10 | 0.32 | 10 bar | 145 PSI |
| 085,5 | 162 | 5,5 | 0.043 | 1.45 | 0.15 | 0.51 | 8 bar | 116 PSI |
| 057,5 | 226.8 | 7.5 | 0.060 | 1.98 | 0.21 | 0.69 | 5 bar | 72 PSI |
| 0213 | 399.6 | 13 | 0.106 | 3.43 | 0.37 | 1.20 | 2 bar | 29 PSI |