



# HYDRAULIC DIAPHRAGM



**METERING PUMP**

**KEEP BUSINESS  
PUMPING**

## Quality Standards

- Flow capacities up to 171 GPH (649 LPH)
- Liquid end available in 316L SS, PVC, PVDF
  - Connections available in NPT or ANSI Flange
  - Automatic air bleed valve and internal pressure relief mechanism
  - Hydraulically actuated PTFE diaphragm with reinforced backing
  - Pressure up to 300 PSI (20 Bar) for SS models
  - Temperature rating of 200°F (93°C)
- Anodized and powder coated aluminum housing to provide protection in corrosive environments
- Metallic gear drive with hardened eccentric
- Oil bath lubrication for longevity of metal components

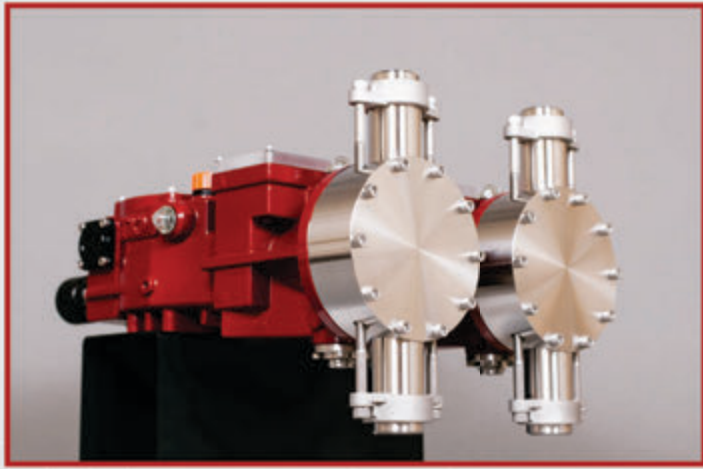
## Double Diaphragm Features

- Break detector - Visual or SPDT 4 - 20 mA
- Able to safely pump liquids with suspended solids
- No contamination from hydraulic oil into chemical lines



*KH Pump with PVC liquid end fitted with SPDT 4-20 mA break detector*





*Multiplex: All the K pump designs can be coupled together in the same multiplex unit*

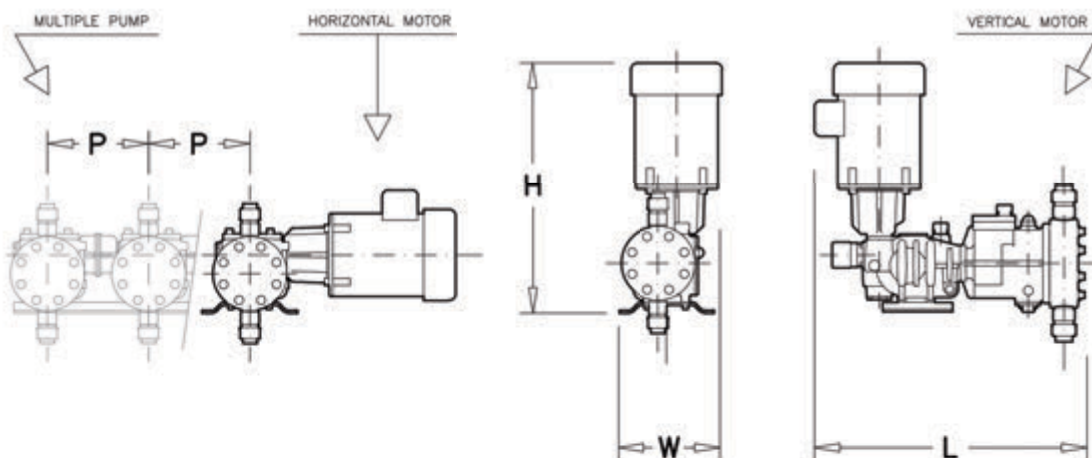


*Adjustable knob with 0.1% resolution can be adjusted while pump is active*



*Visual relief mechanism - Automatic air bleed valve*

## KH Pump Dimensions



### OVERALL DIMENSIONS

| DIM | INCH | MM  |
|-----|------|-----|
| L   | 20   | 500 |
| H*  | 21   | 530 |
| W   | 10   | 250 |
| P   | 8    | 203 |

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

## KH - Pump Performance Chart

| Model | Strokes Per Minute |          | Capacity |     |       |     | Pressure* |        | Connection |        | Motor     |
|-------|--------------------|----------|----------|-----|-------|-----|-----------|--------|------------|--------|-----------|
|       | 1750 RPM           | 1460 RPM | @60Hz    |     | @50Hz |     | PSI       | BAR    | NPT/BPT    | Flange | HP (kW)   |
|       |                    |          | GPH      | LPH | GPH   | LPH |           |        |            |        |           |
| KHL22 | 46                 | 38       | 1.6      | 6   | 1.3   | 5   | 300(150)  | 20(10) | 1/2"       | 1/2"   | 1/2 (.33) |
|       | 60                 | 50       | 2.1      | 8   | 1.8   | 7   | 300(150)  | 20(10) | 1/2"       | 1/2"   | 1/2 (.33) |
| KH22  | 31                 | 26       | 2.4      | 9   | 2.0   | 7.6 | 300(150)  | 20(10) | 1/2"       | 1/2"   | 1/2 (.33) |
|       | 46                 | 38       | 3.5      | 13  | 2.9   | 11  | 300(150)  | 20(10) | 1/2"       | 1/2"   | 1/2 (.33) |
|       | 60                 | 50       | 4.9      | 19  | 4.1   | 15  | 300(150)  | 20(10) | 1/2"       | 1/2"   | 1/2 (.33) |
|       | 76                 | 63       | 6.1      | 23  | 5.1   | 19  | 300(150)  | 20(10) | 1/2"       | 1/2"   | 1/2 (.33) |
|       | 92                 | 77       | 7.9      | 30  | 6.6   | 25  | 300(150)  | 20(10) | 1/2"       | 1/2"   | 1/2 (.33) |
|       | 106                | 88       | 9.0      | 34  | 7.5   | 28  | 300(150)  | 20(10) | 1/2"       | 1/2"   | 1/2 (.33) |
|       | 121                | 101      | 11       | 41  | 9.1   | 34  | 300(150)  | 20(10) | 1/2"       | 1/2"   | 1/2 (.33) |
| KH35  | 138                | 115      | 12       | 47  | 10    | 39  | 300(150)  | 20(10) | 1/2"       | 1/2"   | 1/2 (.33) |
|       | 31                 | 26       | 5.8      | 22  | 4.8   | 18  | 300(150)  | 20(10) | 1/2"       | 1/2"   | 1/2 (.33) |
|       | 46                 | 38       | 8.6      | 33  | 7.2   | 27  | 300(150)  | 20(10) | 1/2"       | 1/2"   | 1/2 (.33) |
|       | 60                 | 50       | 12       | 45  | 10    | 38  | 300(150)  | 20(10) | 1/2"       | 1/2"   | 1/2 (.33) |
|       | 76                 | 63       | 15       | 57  | 13    | 47  | 300(150)  | 20(10) | 1/2"       | 1/2"   | 1/2 (.33) |
|       | 92                 | 77       | 19       | 72  | 16    | 60  | 300(150)  | 20(10) | 1/2"       | 1/2"   | 1/2 (.33) |
|       | 106                | 88       | 22       | 83  | 18    | 69  | 300(150)  | 20(10) | 1/2"       | 1/2"   | 1/2 (.33) |
| KH57  | 121                | 101      | 27       | 102 | 23    | 85  | 300(150)  | 20(10) | 1/2"       | 1/2"   | 1/2 (.33) |
|       | 138                | 115      | 31       | 117 | 26    | 98  | 300(150)  | 20(10) | 1/2"       | 1/2"   | 1/2 (.33) |
|       | 31                 | 26       | 16       | 60  | 13    | 50  | 300(150)  | 20(10) | 1/2"       | 1/2"   | 3/4 (.56) |
|       | 46                 | 38       | 23       | 87  | 19    | 73  | 300(150)  | 20(10) | 1/2"       | 1/2"   | 3/4 (.56) |
|       | 60                 | 50       | 32       | 121 | 27    | 101 | 300(150)  | 20(10) | 1/2"       | 1/2"   | 3/4 (.56) |
|       | 76                 | 63       | 40       | 151 | 33    | 126 | 300(150)  | 20(10) | 1/2"       | 1/2"   | 3/4 (.56) |
|       | 92                 | 77       | 52       | 197 | 43    | 164 | 256(150)  | 18(10) | 1/2"       | 1/2"   | 3/4 (.56) |
| KH82  | 106                | 88       | 60       | 227 | 50    | 189 | 240(150)  | 17(10) | 3/4"       | 1"     | 3/4 (.56) |
|       | 121                | 101      | 72       | 272 | 60    | 227 | 200(150)  | 14(10) | 3/4"       | 1"     | 3/4 (.56) |
|       | 138                | 115      | 82       | 310 | 68    | 259 | 170(150)  | 12(10) | 3/4"       | 1"     | 3/4 (.56) |
|       | 31                 | 26       | 33       | 125 | 28    | 104 | 240(150)  | 17(10) | 1"         | 1"     | 3/4 (.56) |
|       | 46                 | 38       | 48       | 181 | 40    | 151 | 200(150)  | 14(10) | 1"         | 1"     | 3/4 (.56) |
|       | 60                 | 50       | 67       | 253 | 56    | 211 | 170(150)  | 12(10) | 1"         | 1"     | 3/4 (.56) |
|       | 76                 | 63       | 84       | 318 | 70    | 265 | 140(140)  | 10(10) | 1"         | 1"     | 3/4 (.56) |
| KH82  | 92                 | 77       | 108      | 408 | 90    | 341 | 130(130)  | 9(9)   | 1"         | 1"     | 3/4 (.56) |
|       | 106                | 88       | 125      | 473 | 104   | 394 | 115(115)  | 8(8)   | 1"         | 1"     | 3/4 (.56) |
|       | 121                | 101      | 150      | 567 | 125   | 473 | 100(100)  | 7(7)   | 1"         | 1"     | 3/4 (.56) |
|       | 138                | 115      | 171      | 646 | 143   | 539 | 85(85)    | 6(6)   | 1"         | 1"     | 3/4 (.56) |

\* Pressure rated in the format: SS(PVC/PVDF)



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