

Newdose Micro-Mechanical Diaphragm Metering Pump

MOTOR-X Function Introduction:

1. Full PTFE material diaphragm
2. Integrated pump head with check valves
3. 2% metering accuracy
4. Various operation position
5. Lower noise
6. Higher protection class IP65
7. Capacity adjust by stroke length 10~100%



Power supply: 220V 50Hz Single phase Length of wire: 1.5m Solution Temperature: 0-45°C Suggested stroke adjustment range 10%-100%

Technical Parameter Sheet

| Specification Model | | Capacity | Pressure | Stroke Length | Diaphragm Diameter | Speed | Motor |
|---------------------|-------|----------|----------|---------------|--------------------|-------|-------|
| | | L/h | Bar | mm | mm | spm | w |
| MX30 | 01-07 | 1 | 7 | 1 | 35 | 115 | 28 |
| | 02-07 | 2 | 7 | 2 | 35 | 80 | 28 |
| | 03-07 | 3 | 7 | 2 | 35 | 115 | 28 |
| | 05-05 | 5 | 5 | 2.5 | 35 | 115 | 28 |
| | 08-03 | 8 | 3 | 3 | 35 | 115 | 28 |
| MX40 | 09-07 | 9 | 7 | 2 | 47 | 115 | 41 |
| | 12-06 | 12 | 6 | 3 | 47 | 80 | 41 |
| | 15-04 | 15 | 4 | 3 | 47 | 115 | 41 |
| | 18-02 | 18 | 2 | 4 | 47 | 115 | 41 |

Material Sheet

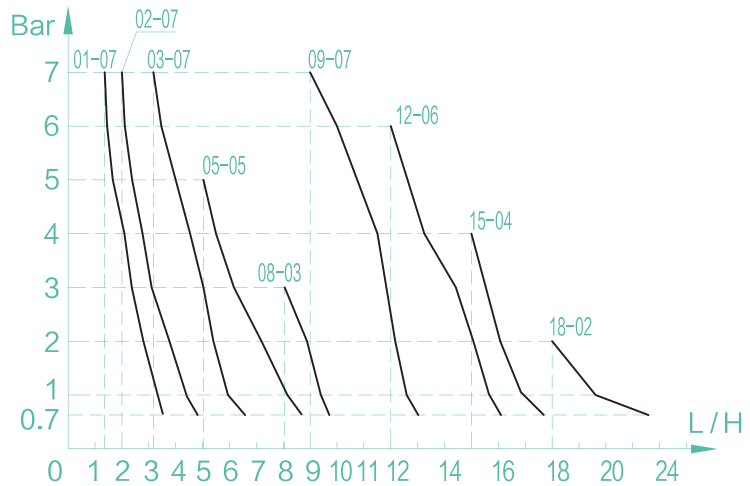
Pump Head Assembly

| | PPV | PVT | PTF | SST |
|------------|----------|---------|---------|-------|
| PUMP HEAD | PP(FRPP) | PVC | PTFE | SS316 |
| DIAPHRAGM | PTFE | PTFE | PTFE | PTFE |
| VALVE BALL | CERAMIC | CERAMIC | CERAMIC | SS316 |
| VALVE SEAT | PTFE | PTFE | PTFE | SS316 |
| VALVE BODY | PP(FRPP) | PVC | PTFE | SS316 |
| SEALS | FKM | FKM | PTFE | PTFE |

Accessory Kit

| | STANDARD | PVT | PTF | SST |
|------------------------|----------|------|----------|----------------|
| | | PTFE | PU | UPVC Hard Hose |
| INLET PIPE | PE | PTFE | PU | / |
| OUTLET PIPE | PVC | PTFE | PU | / |
| THREE-PIECE CONNECTORS | PVC | PTFE | PVC | / |
| BIG NUT | PVC | PTFE | PVC | PVC |
| FOOT VALVE | PP(FRPP) | / | PP(FRPP) | / |
| SPRAYER | PP(FRPP) | / | PP(FRPP) | / |
| SMALL NUT | PP(FRPP) | / | PP(FRPP) | / |
| HARD HOSE CONNECTORS | / | / | / | PVC |

Pump Flow Diagram



Installation

The base support could be installed to the wall in various direction only need to insure the check valves be perpendicular to the ground.

Installation Accessories

- ◆ 2m PVC inlet pipe
- ◆ 1.5m PE outlet pipe
- ◆ 2 sets three-piece connectors
- ◆ one filter and one sprayer

Typical Installation Diagram

