



META GREENTECH

Datablad

# Blue White Industries

Flex-Pro® M-2 slangepumpe



Peristaltisk doseringspumpe

# M-2 Slangepumpe

- Kapasiteter fra 0.33 til 65,1 l/t mot opptil 8,6 bar.
- Patentert lekkasjedetektor, TFD system (Tube Failure Detection)
- 4-20 mA input, puls input og manuell styring via touch panel.
- Motorjustering 200:1. Max 130 rpm.
- Kjemikaliebestandige slanger
- Ideell for små til mellomstore renseanlegg
- Selvsugende og ingen behov for ventiler
- Skånsom og effektiv pumping
- Avansert seriell og Ethernet-kommunikasjon
- Stillegående
- Enkel å konfigurere og betjene
- Patenterte løsninger
- NSF 61
- NEMA 4x, IP66
- 5 års garanti



## Applikasjoner:

- Kommunal vannbehandling
- Kommunal avløpsrensing
- Kjemisk måling
- klorering
- kloramine
- fluorisering
- Polymerinjeksjon
- Syreinjeksjon
- Alum injeksjon
- PAC-injeksjon
- Kaustisk injeksjon



Solide slangeelementer i kjemikaliebestandige materialer.

| Quick-Disconnect Valve Kits (Sold Separately)                                       |        |                                                                                     |        |                                                                                       |        |
|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------|--------|
| For use with the Quick-Disconnect Flex-A-Prene Tube Assembly                        |        |                                                                                     |        |                                                                                       |        |
| 3/8" OD, 1/4" Tubing                                                                |        | 1/2" Hose Barb                                                                      |        | 1/2" M/NPT                                                                            |        |
|  |        |  |        |  |        |
| Part #                                                                              | O-ring | Part #                                                                              | O-ring | Part #                                                                                | O-ring |
| KIT-QSV                                                                             | FKM    | KIT-QBV                                                                             | FKM    | KIT-QMV                                                                               | FKM    |
| KIT-QSE                                                                             | EP     | KIT-QBE                                                                             | EP     | KIT-QME                                                                               | EP     |

## Spekifikasjoner

**Maksimalt arbeidstrykk** 8,6 bar

**Maksimal væsketemperatur** 85°C

**Maks viskositet** 12,000 cp

**Maksimalt løft** 9 meter

**Omgivelsestemperatur** -10 - 46°C

(Oppbevaring/lagring -40 - 70°C)

**Spenning** 220VAC/50Hz, 1ph (1.0 Amp Maximum)

**Motor Børster** DC 1/8 H.P.

**Kontinuerlig bruk**

**Motorhastighet** 0,7 til 130 RPM (200:1) oppløsning 0,1% steg

**Tastatur** åtte knapper

**Kabinett** NEMA 4X (IP66) Polyester pulverbelagt aluminium. (19 B x 26 H x 35.6 D cm).

**Vekt** 12.9 kg

## Konstruksjon

**Kontakt med væske:**

**Pumpeslanger** – Flex-A-Prene eller Flex-A-Chem Flex-A-Thane

Adaptore/koblinger - PVDF

**Ikke kontakt med væske:**

**Kabinett:** 413 Aluminium (Pulverbelagt polyester)

Pumpehode: Valox (PBT) termoplast. Lokk polykarbonat for ekstra styrke og kjemikaliebestandighet. Permanent smøring av motoraksling og kulelager. Festeskruer i rustfritt stål.

**Rotor:** Valox (PBT)

**Ruller:** PVDF/Nylon

**Rullelager:** SS kulelager

**Aksling:** 316 Stainless Steel

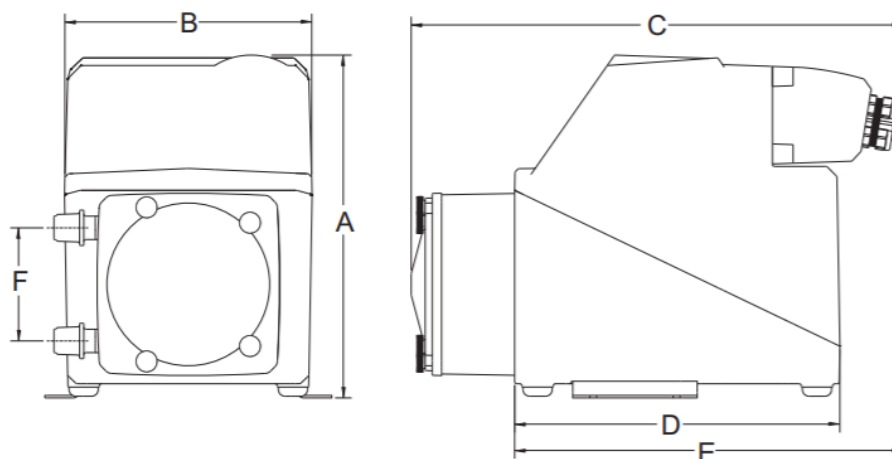
**Motor aksling:** Forkrommet stål

**TDF System:** Hastelloy C-276

## **FLEX-PRO®** ProSeries-M® Peristaltic Metering Pumps

### Engineering and Technical Data

#### Dimensions:



| M-2 Series |         |      |
|------------|---------|------|
| Dim        | Inches  | cm   |
| A          | 10-1/4" | 26   |
| B          | 7-1/2"  | 19   |
| C          | 14"     | 35.6 |
| D          | 9-1/2"  | 24.1 |
| E          | 11"     | 27.9 |
| F          | 3-3/8"  | 8.6  |

**FLEX-PRO® ProSeries-M® Peristaltic Metering Pumps****Engineering and Technical Data****Output Specifications:**

| Feed Rate                                                               |             | Max<br>Speed | Max<br>Pressure | Max<br>Temperature | M-2 Model Numbers |            |            |            |
|-------------------------------------------------------------------------|-------------|--------------|-----------------|--------------------|-------------------|------------|------------|------------|
| Flex-A-Prene® M-2 Tube Pumps                                            |             |              |                 |                    |                   |            |            |            |
| Meets FDA criteria for food   Excellent chemical resistance   CIP   SIP |             |              |                 |                    |                   |            |            |            |
| GPH                                                                     | LPH         | ML/Min       | RPM             | PSI (bar)          | F (C)             | 115V AC    | 230V AC    | 220V AC    |
| .01 - 1.7                                                               | .03 - 6.5   | .54 - 108    | 130             | 125 (8.6)          | 185 (85)          | M-224-*ND  | M-225-*ND  | M-226-*ND  |
| Flex-A-Prene® M-2 Tube Pumps                                            |             |              |                 |                    |                   |            |            |            |
| Meets FDA criteria for food   Excellent chemical resistance   CIP   SIP |             |              |                 |                    |                   |            |            |            |
| GPH                                                                     | LPH         | ML/Min       | RPM             | PSI (bar)          | F(C)              | 115V AC    | 230V AC    | 220V AC    |
| .022 - 4.44                                                             | .084 - 16.8 | 1.4 - 280    | 130             | 110 (7.6)          | 185 (85)          | M-224-*NEE | M-225-*NEE | M-226-*NEE |
| .086 - 17.2                                                             | .325 - 65.1 | 5.4 - 1085   | 130             | 110 (7.6)          | 185 (85)          | M-224-*NGG | M-225-*NGG | M-226-*NGG |
| Flex-A-Chem® M-2 Tube Pumps                                             |             |              |                 |                    |                   |            |            |            |
| Meets FDA criteria for food   Superb chemical resistance                |             |              |                 |                    |                   |            |            |            |
| GPH                                                                     | LPH         | ML/Min       | RPM             | PSI (bar)          | F (C)             | 115V AC    | 230V AC    | 220V AC    |
| .07 - 14.3                                                              | .27 - 54    | 4.5 - 900    | 130             | 50 (3.4)           | 130 (54)          | M-224-*TH  | M-225-*TH  | M-226-*TH  |
| Flex-A-Thane® M-2 Tube Pumps                                            |             |              |                 |                    |                   |            |            |            |
| Meets FDA criteria for food   Resistant to oils, greases and fuels      |             |              |                 |                    |                   |            |            |            |
| GPH                                                                     | LPH         | ML/Min       | RPM             | PSI (bar)          | F (C)             | 115V AC    | 230V AC    | 220V AC    |
| .02 - 4.0                                                               | .08 - 15.2  | 1 - 253      | 130             | 65 (4.5)           | 130 (54)          | M-224-*GE  | M-225-*GE  | M-226-*GE  |
| .05 - 9.3                                                               | .17 - 35.2  | 3 - 587      | 130             | 65 (4.5)           | 130 (54)          | M-224-*GG  | M-225-*GG  | M-226-*GG  |
| .07 - 14.98                                                             | .03 - 56.7  | 4.7 - 945    | 130             | 65 (4.5)           | 130 (54)          | M-224-*G2G | M-225-*G2G | M-226-*G2G |

\* Inlet/outlet connection type  
S = 3/8" OD x 1/4" ID tubing compressions type connections  
M = 1/2" male NPT  
MB = 1/2" male BSPT  
B = 1/2" Hose barb, Natural PVDF (Kynar), (ND, NEE, NGG, and G2G only)  
C = 1/2" - 3/4" tri-clamp connections (ND, NEE, NGG, and G2G only)  
Q = Quick Disconnect (ND, NEE, NGG, and G2G only) (Valves sold separately)

- The Flex-Pro Pump's motor speed is linear over the entire 0.5% to 100% adjustment range.
- Output versus pressure is nearly linear in all models. Larger tubes exhibit greater losses.
- For optimum tube life, specify the pump to operate at the lowest possible RPM and pressure.