



META GREENTECH

Datablad

Blue White Industries

Flex-Pro® M-3 og M-4 slangepumper



Peristaltiske doseringspumper

M-3 og M-4 Slangepumpe

- Kapasiteter fra 0.0007 til 600 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 10000:1. 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 Børsteløs DC 1/4 H.P.

Kontinuerlig bruk

Motorhastighet 0,7 til 130 RPM (10000:1)
oppløsning 0,01% steg

Display 3 farger VGA bakkelyst, UV resistant

Tastatur 11 knapper

Kabinett NEMA 4X (IP66) Polyester pulverbelagt aluminium.

M-3: 20,6 B x 27,3 H x 38,9 D cm.

M-4: 30,8 B x 36,1 H x 47,3 D cm.

Vekt 15,0 kg (M-3), 26,3 kg (M-4)

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. Løkk 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

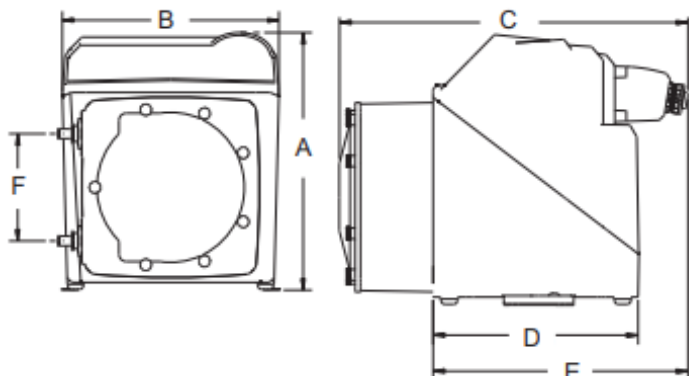
Motor aksling: Forkrommet stål

TDF System: Hastelloy C-276

FLEX-PRO® ProSeries-M® Peristaltic Metering Pump

Engineering and Technical Data

Dimensions:



Dim	M-3 Series		M-4 Series	
	Inches	cm	Inches	cm
A	10-3/4"	27.3	14-1/4"	36.1
B	8-1/8"	20.6	12-1/8"	30.8
C	15-1/4"	38.9	18-5/8"	47.3
D	10"	25.4	11"	27.9
E	12-1/4"	31.0	13-5/8"	34.6
F	4-1/4"	10.7	6"	15.2

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

Output Range			Max Speed	Max Pressure	Max Temperature	M-3 Model Numbers		
Flex-A-Prene® M-3 Tube Pumps								
Listed under NSF Std. 61 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
.0002 - 2.10	.0007 - 7.92	.0132 - 132	125	125 (8.6)	185 (85)	M-324-*ND	M-325-*ND	M-326-*ND
.0025 - 25.3	.0096 - 96.0	.1596 - 1596	125	125 (8.6)	185 (85)	M-324-*NJ	M-325-*NJ	M-326-*NJ
.0033 - 33.3	.0126 - 126	.2100 - 2100	125	125 (8.6)	185 (85)	M-324-*NK	M-325-*NK	M-326-*NK
.0033 - 33.3	.0126 - 126	.2100 - 2100	125	30 (2.1)	185 (85)	M-324-*NKL	M-325-*NKL	M-326-*NKL
Flex-A-Prene® M-3 Tube Pumps								
Listed under NSF Std. 61 Meets FDA criteria for food Excellent chemical resistance Extra long life at low pressures								
GPH	LPH	ML/MIN	RPM	PSI (bar)	F (C)	115V AC	230V AC	220V AC
.0004 - 4.76	.0018 - 18.0	.03 - 300	125	110 (7.6)	185 (85)	M-324-*NEE	M-325-*NEE	M-326-*NEE
.0019 - 19.02	.0072 - 72.0	.12 - 1200	125	110 (7.6)	185 (85)	M-324-*NGG	M-325-*NGG	M-326-*NGG
Flex-A-Chem® M-3 Tube Pumps								
Listed under NSF Std. 61 Meets FDA criteria for food Superior chemical resistance								
GPH	LPH	ML/MIN	RPM	PSI (bar)	F (C)	115V AC	230V AC	220V AC
.0015 - 15.06	.0057 - 57.0	.0950 - 950	125	50 (3.4)	130 (54)	M-324-*TH	M-325-*TH	M-326-*TH
.0035 - 35.19	.0133 - 133.2	.2220 - 2220	125	50 (3.4)	130 (54)	M-324-*TK	M-325-*TK	M-326-*TK
Flex-A-Thane® M-3 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
.0004 - 4.60	.0017 - 17.4	.0290 - 290	125	65 (4.5)	130 (54)	M-324-*GE	M-325-*GE	M-326-*GE
.0010 - 10.1	.0038 - 38.4	.0637 - 637	125	65 (4.5)	130 (54)	M-324-*GG	M-325-*GG	M-326-*GG
.0024 - 24.9	.0094 - 94.2	.1570 - 1570	125	65 (4.5)	130 (54)	M-324-*GH	M-325-*GH	M-326-*GH
.0028 - 28.5	.0108 - 108	.1800 - 1800	125	65 (4.5)	130 (54)	M-324-*GK	M-325-*GK	M-326-*GK
.002 - 18.23	.007 - 69.0	.115 - 1150	125	65 (4.5)	130 (54)	M-324-*G2G	M-325-*G2G	M-326-*G2G
Output Range			Max Speed	Max Pressure	Max Temperature	M-4 Model Numbers		
Flex-A-Prene® M-4 Tube Pumps								
Listed under NSF Std. 61 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
.0028 - 28.5	.0108 - 108	.180 - 1800	125	125 (8.6)	185 (85)	M-424-*NH	M-425-*NH	M-426-*NH
.0044 - 44.4	.0168 - 168	.280 - 2800	125	100 (6.9)	185 (85)	M-424-*NJ	M-425-*NJ	M-426-*NJ
.0054 - 54.4	.0204 - 204	.3400 - 3400	125	65 (4.5)	185 (85)	M-424-*NHHL	M-425-*NHHL	M-426-*NHHL
.0050 - 50.7	.0192 - 192	.320 - 3200	125	80 (5.5)	185 (85)	M-424-*NK	M-425-*NK	M-426-*NK
.0054 - 54.0	.0204 - 204	.340 - 3400	125	100 (6.9)	185 (85)	M-424-*NHH	M-425-*NHH	M-426-*NHH
.010 - 100.0	.0378 - 378	.630 - 6300	125	50 (3.4)	185 (85)	M-424-*NL	M-425-*NL	M-426-*NL
.015 - 158.5	.0600 - 600	1.00 - 10000	125	30 (2.1)	185 (85)	M-424-*NP	M-425-*NP	M-426-*NP
Flex-A-Chem® M-4 Tube Pumps								
Listed under NSF Std. 61 Meets FDA criteria for food Superior chemical resistance								
GPH	LPH	ML/MIN	RPM	PSI (bar)	F (C)	115V AC	230V AC	220V AC
.0054 - 54.00	.0204 - 204	.3400 - 3400	125	30 (2.1)	130 (54)	M-424-*TK	M-425-*TK	M-426-*TK
.0126 - 126.0	.0477 - 477.0	.800 - 8000	125	30 (2.1)	130 (54)	M-424-*TKK	M-425-*TKK	M-426-*TKK
Flex-A-Thane® M-4 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
.0039 - 39.6	.0150 - 150	.250 - 2500	125	65 (4.5)	130 (54)	M-424-*GH	M-425-*GH	M-426-*GH
.0055 - 55.5	.0210 - 210	.350 - 3500	125	65 (4.5)	130 (54)	M-424-*GK	M-425-*GK	M-426-*GK
.010 - 100.0	.0378 - 378	.630 - 6300	125	65 (4.5)	130 (54)	M-424-*GKK	M-425-*GKK	M-426-*GKK