



FIP DC Pumps for Bilge, Deckwash & Refueling



With their high level of flexibility, these pumps are ideally suited for use in boats as bilge and deckwash pumps, fresh water pumps, refuelling pumps for oil and diesel. These pumps may be combined with a vacuum switch for automatic operation. Capacities vary from max 14 l/min to 55 l/min, allowing the proper matching of the pump to the application. All motors are heavy duty to provide long service life even under heavy use. Available in 12 or 24 volts.



CE marked according to following standards:

F2P10-19, F3B-19, F4B-19, F4B-11

EN50082-1: 1992/Generic EMS Standard

EN55014: 1993/Radio disturbance

IEC801-2: 1984/Electrostatic Discharge

IEC801-3: 1984/Radiated Immunity Test

ISO8846: Small Craft – Electrical devices – Protection against ignition of surrounding flammable gases

ISO8849: Small Craft – Electrically operated bilge pumps

ISO10133: Small Craft – Electrical systems – Extra-low voltage d.c. installations

F5B-19 12/24 V

EN55014: 1993/Radio disturbance

DC Driven Flexible Impeller Pumps

Pumps suited for use in boats as bilge and deckwash pumps, fresh water pumps, refuelling pumps for oil and diesel. Can be combined with a vacuum switch for automatic operation. Capacities vary from max 14 l/min to 55 l/min, allowing the proper matching of the pump to the application. All motors are heavy duty to provide long service life even under heavy use.

F2P10-19 – Capacity 15 l/min

Fully equipped, self-priming multipurpose pump operating on a simple and uncomplicated principle. Ideal for pumping water, oils and chemicals.



| Order No. | Description | Body | Impeller | Seal | Connection | Length | Width | Height | Weight |
|------------|---------------|------|------------|----------|------------|---------------|---------------|--------------|------------------|
| 10-24180-1 | F2P10-19, 12V | PTMT | 09-1077B-9 | Lip seal | 1/2" hose | 172 mm – 6.8" | 117 mm – 4.6" | 78 mm – 3.1" | 1,6 kg – 3.5 lbs |
| 10-24180-2 | F2P10-19, 24V | PTMT | 09-1077B-9 | Lip seal | 1/2" hose | 172 mm – 6.8" | 117 mm – 4.6" | 78 mm – 3.1" | 1,6 kg – 3.5 lbs |

Contains Nitrile impeller

F3B-19 – Capacity 21 l/min

Perfect for bilge pumping, deckwash, water circulation, oil and diesel refuelling at dockside service, etc.



| Order No. | Description | Body | Impeller | Seal | Connection | Length | Width | Height | Weight |
|-------------|-------------|--------|-----------|----------|------------|---------------|---------------|---------------|----------------|
| 10-24516-01 | F3B-19, 12V | Bronze | 09-843S-9 | Lip seal | 3/8" BSP | 170 mm – 6.7" | 113 mm – 4.4" | 82 mm – 3.22" | 2 kg – 4.5 lbs |
| 10-24516-02 | F3B-19, 24V | Bronze | 09-843S-9 | Lip seal | 3/8" BSP | 170 mm – 6.7" | 113 mm – 4.4" | 82 mm – 3.22" | 2 kg – 4.5 lbs |

Contains Nitrile impeller

F3B-19 Oil Change – Capacity 21 l/min

Reversible rubber impeller pump with integrated quick reversing switch. Designed to remove old oil from the engine/fill new oil back into the engine.



| Order No. | Description | Body | Impeller | Seal | Connection | Length | Width | Height | Weight |
|-------------|------------------------|--------|-----------|----------|------------|---------------|---------------|---------------|------------------|
| 10-24760-01 | F3B-19 Oil change, 12V | Bronze | 09-843S-9 | Lip seal | 3/8" BSP | 170 mm – 6,7" | 113 mm – 4.4" | 115 mm – 4.5" | 2,1 kg – 4.5 lbs |
| 10-24760-02 | F3B-19 Oil change, 24V | Bronze | 09-843S-9 | Lip seal | 3/8" BSP | 170 mm – 6,7" | 113 mm – 4.4" | 115 mm – 4.5" | 2,1 kg – 4.5 lbs |

Contains Nitrile impeller

F38B-19 – Capacity 35 l/min

Perfect for bilge pumping, deckwash, water circulation, oil and diesel refuelling at dockside service, etc.



| Order No. | Description | Body | Impeller | Seal | Connection | Length | Width | Height | Weight |
|-------------|--------------|--------|-----------|----------|--------------------|-------------|----------------|---------------|----------------|
| 10-24727-01 | F38B-19, 12V | Bronze | 09-824P-9 | Lip seal | Hose 1" / 1/2" BSP | 180 mm – 7" | 120 mm – 4.72" | 90 mm – 3.54" | 3 kg – 6.6 lbs |
| 10-24727-02 | F38B-19, 24V | Bronze | 09-824P-9 | Lip seal | Hose 1" / 1/2" BSP | 180 mm – 7" | 120 mm – 4.72" | 90 mm – 3.54" | 3 kg – 6.6 lbs |

Contains Nitrile impeller

F4B-19 – Capacity 48 l/min

Perfect for bilge pumping, deckwash, water circulation, oil and diesel refuelling at dockside service, etc.



| Order No. | Description | Body | Impeller | Seal | Connection | Length | Width | Height | Weight |
|-------------|-------------|--------|-----------|----------|--------------------|-------------|----------------|---------------|----------------|
| 10-24689-01 | F4B-19, 12V | Bronze | 09-824P-9 | Lip seal | Hose 1" / 1/2" BSP | 202 mm – 8" | 120 mm – 4.72" | 90 mm – 3.54" | 3 kg – 6.6 lbs |
| 10-24689-02 | F4B-19, 24V | Bronze | 09-824P-9 | Lip seal | Hose 1" / 1/2" BSP | 202 mm – 8" | 120 mm – 4.72" | 90 mm – 3.54" | 3 kg – 6.6 lbs |

Contains Nitrile impeller



F4B-11 Ultra Ballast – Capacity 52 l/min

Designed to quickly fill or, when reversed, drain a ballast tank at a rate of more than 45 l/min (12 GPM). Capable of pumping fresh or sea water the pump's robust design can handle the rigors of continuous duty usage, is reversible, and has a built in thermal overload for added protection. Polarity reversing switch kit available as accessory. Care not to run dry for extended periods of time will increase the pump longevity and ensure reliable performance for many years. *Note! Only for waterhandling.*

| Order No. | Description | Body | Impeller | Seal | Connection | Length | Width | Height | Weight |
|-------------|----------------------------|--------|-----------|----------|------------------|-------------|----------------|---------------|----------------|
| 10-24690-01 | F4B-11 Ultra Ballast, 12 V | Bronze | 09-824P-1 | Lip seal | Hose 1" / ½" BSP | 202 mm – 8" | 120 mm – 4.72" | 90 mm – 3.54" | 3 kg – 6.6 lbs |
| 10-24690-02 | F4B-11 Ultra Ballast, 24 V | Bronze | 09-824P-1 | Lip seal | Hose 1" / ½" BSP | 202 mm – 8" | 120 mm – 4.72" | 90 mm – 3.54" | 3 kg – 6.6 lbs |

EPDM-impeller



F5B-19 – Capacity 55 l/min

For bilge pumping, deckwash, water circulation, oil and diesel refuelling at dockside service, etc.

| Order No. | Description | Body | Impeller | Seal | Connection | Length | Width | Height | Weight |
|------------|--------------|--------|------------|------------|------------|-----------------|----------------|----------------|-------------|
| 10-24188-1 | F5B-19, 12 V | Bronze | 09-1027B-9 | Mech. seal | ¾" BSP | 258 mm – 10.15" | 131 mm – 5.15" | 120 mm – 4.72" | 8kg/17.5lbs |
| 10-24188-2 | F5B-19, 24 V | Bronze | 09-1027B-9 | Mech. seal | ¾" BSP | 258 mm – 10.15" | 131 mm – 5.15" | 120 mm – 4.72" | 8kg/17.5lbs |

Contains Nitrile impeller

Gear Pump with Oil Change Kit

Light and compact oil change pump with pump body and gears made of PTFE. Complete with oil dip stick extraction tube 6 and 8 mm. 180 cm connection wires with battery clamps.

| | | | |
|------------------|----------------------------------------|----------------|-------------|
| Port connection: | Outlet: 14 mm hose Inlet: 8 mm hose | Dimension: | 140 x 80 mm |
| Self priming: | Up to 0,6 m | Weight: | 1.1 kg |
| Capacity: | 8 l/min | Fuse size 12V: | 8 A |
| | | Fuse size 24V: | 6 A |

| Order No. | Description |
|-------------|-------------|
| 80-47508-01 | GP8-19 12V |
| 80-47508-02 | GP8-19 24V |



Pressure and Capacity Data (based on water at 20°C/68°F)

| F2P10-19 | | | | | | Ampere Draw | |
|-------------------|-----|------|-------|-----|--|-------------|------|
| Bar | kPa | psi | l/min | GPM | | 12 V | 24 V |
| Count. Duty | | | | | | | |
| 0 | 0 | 0 | 15.0 | 4.0 | | 5.6 | 4.0 |
| 0.1 | 10 | 1.45 | 14.5 | 3.8 | | 5.7 | 4.0 |
| 0.2 | 20 | 2.90 | 14.0 | 3.7 | | 5.8 | 4.1 |
| 0.3 | 30 | 4.35 | 13.5 | 3.6 | | 5.9 | 4.1 |
| 0.6 | 60 | 8.7 | 11.0 | 2.9 | | 6.1 | 4.2 |
| Intermittent Duty | | | | | | | |
| 0.75 | 75 | 10.8 | 9.6 | 2.5 | | 6.5 | 4.3 |
| 0.9 | 90 | 13.0 | 7.0 | 1.8 | | 6.5 | 4.8 |
| Fuse Required | | | | | | 15 A | 8 A |

| F3B-19 | | | | | | Ampere Draw | |
|-------------------|-----|------|-------|-----|--|-------------|------|
| Bar | kPa | psi | l/min | GPM | | 12 V | 24 V |
| Count. Duty | | | | | | | |
| 0 | 0 | 0 | 21.0 | 5.5 | | 8.4 | 4.0 |
| 0.1 | 10 | 1.45 | 20.5 | 5.4 | | 8.5 | 4.0 |
| 0.2 | 20 | 2.9 | 20.0 | 5.3 | | 8.6 | 4.1 |
| 0.3 | 30 | 4.35 | 19.5 | 5.2 | | 8.8 | 4.1 |
| 0.6 | 60 | 8.7 | 17.8 | 4.7 | | 9.0 | 4.2 |
| Intermittent Duty | | | | | | | |
| 0.9 | 90 | 13.0 | 15.6 | 4.1 | | 9.6 | 4.3 |
| 1.2 | 120 | 17.4 | 12 | 3.2 | | 10.3 | 4.8 |
| Fuse Required | | | | | | 15 A | 8 A |

| F38B-19 | | | | | | Ampere Draw | |
|-------------------|-----|------|-------|-----|--|-------------|------|
| Bar | kPa | psi | l/min | GPM | | 12 V | 24 V |
| Count. Duty | | | | | | | |
| 0 | 0 | 0 | 35.0 | 9.2 | | 10.9 | 5.0 |
| 0.1 | 10 | 1.45 | 33.8 | 8.9 | | 11.0 | 5.1 |
| 0.2 | 20 | 2.9 | 32.2 | 8.5 | | 11.0 | 5.1 |
| 0.3 | 30 | 4.35 | 31.0 | 8.2 | | 11.1 | 5.2 |
| 0.6 | 60 | 8.7 | 25.5 | 6.7 | | 11.9 | 5.4 |
| Intermittent Duty | | | | | | | |
| 0.9 | 90 | 13.0 | 15.3 | 4.0 | | 13.6 | 6.0 |
| 1.2 | 120 | 17.4 | 2.0 | 0.5 | | 15.8 | 7.1 |
| Fuse Required | | | | | | 15 A | 8 A |

| F4B-19 | | | | | | Ampere Draw | |
|-------------------|-----|------|-------|------|--|-------------|------|
| Bar | kPa | psi | l/min | GPM | | 12 V | 24 V |
| Count. Duty | | | | | | | |
| 0 | 0 | 0 | 48.0 | 12.7 | | 12.2 | 6.5 |
| 0.1 | 10 | 1.45 | 45.0 | 11.9 | | 12.3 | 6.7 |
| 0.2 | 20 | 2.9 | 44.5 | 11.7 | | 12.2 | 6.8 |
| 0.3 | 30 | 4.35 | 41.0 | 10.8 | | 13.1 | 7.1 |
| 0.6 | 60 | 8.7 | 34.0 | 9.0 | | 14.9 | 7.5 |
| Intermittent Duty | | | | | | | |
| 0.9 | 90 | 13.0 | 25.0 | 6.6 | | 16.5 | 7.8 |
| 1.2 | 120 | 17.4 | 11.0 | 2.9 | | 18.3 | 8.8 |
| Fuse Required | | | | | | 15 A | 8 A |

| F5B-19 | | | | | | Ampere Draw | |
|-----------------------|-----|-------|-------|------|--|--------------------|-------------------|
| Bar | kPa | psi | l/min | GPM | | 12 V | 24 V |
| Count. Duty | | | | | | | |
| 0 | 0 | 0 | 55.0 | 14.5 | | 23.2 | 11.9 |
| 0.3 | 30 | 1.45 | 49.4 | 13.1 | | 24.2 | 12.8 |
| 0.6 | 60 | 8.7 | 39.9 | 10.5 | | 25.1 | 13.3 |
| 0.9 | 90 | 13.0 | 30.1 | 8.0 | | 26.2 | 14.0 |
| 1.2 | 120 | 17.4 | 19.3 | 5.1 | | 28.0 | 14.7 |
| 1.5 | 150 | 21.76 | 9.3 | 2.4 | | 29.8 | 15.3 |
| Fuse Required | | | | | | 50 A | 25 A |
| Recommended wire size | | | | | | 16 mm ² | 6 mm ² |

Accessories



Polarity Reversing Switch Kit for Ultra Ballast Pump F4B-11

| Order No. | Description |
|-----------|-------------------------------|
| 09-47196 | Polarity Reversing Switch Kit |



Vacuum Switch see page 36

| Order No. | Description |
|-----------|---------------|
| 09-45053 | Vacuum Switch |