

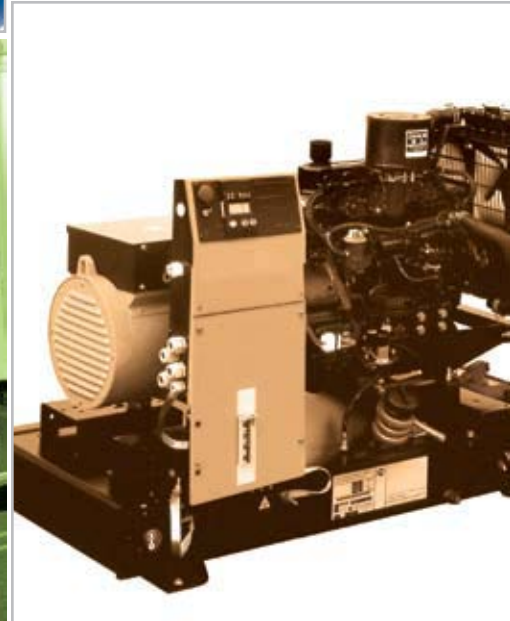
Diesel Fuel Cleaning



Diesel Fuel Transfer



Oil Change Systems



<b>Pumps</b>	
<b>GP-201:</b> DC Gear Pump	<b>2</b>
<b>GP-201A:</b> DC Gear Pump with Smart Sensor	<b>3</b>
<b>GP-311:</b> DC Gear Pump	<b>4</b>
<b>GP-312:</b> DC Gear Pump	<b>5</b>
<b>GP-301:</b> AC Gear Pump	<b>6</b>
<b>GP-602:</b> AC Gear Pump	<b>7</b>
<b>VP-620 Metering Pump:</b> with AC Rotary Vane Pump	<b>8</b>
<b>DP Series:</b> High Flow Liquid Transfer Pump	<b>9</b>
<b>OP-6:</b> Impeller Pump OP Series	<b>10</b>
<b>Oil Change Systems</b>	<b>11</b>
<b>OP-700 Series:</b> Oil Change System with Impeller Pump	<b>12</b>
<b>GP-3010 Series:</b> Oil Change System with Gear Pump	<b>13</b>
<b>GP-3020 Series:</b> Oil Change System with Gear Pump	<b>14</b>
<b>GP-700 Series:</b> Heavy Duty Oil Change System	<b>15</b>
<b>GP-800 Series:</b> AC Oil Change System with Gear Pump	<b>16</b>
<b>Portable Oil Change Systems:</b> Professional Series	<b>17</b>
<b>Valve Assembly Series:</b> Multi-Valve Manifolds	<b>18</b>
<b>Diesel Priming Systems</b>	
FP-301: DC Fuel Priming System	<b>19</b>
Diesel Hand Priming Pump	<b>20</b>
<b>Diesel Maintenance Center:</b>	<b>21</b>
Permanently Installed Central Location Service Point	
Includes fuel/water separator, oil change, and priming system	
<b>Diesel Fuel Polishing Systems</b>	<b>22</b>
80 GPH DC Separ	<b>23</b>
150 GPH DC Separ	<b>24</b>
150 GPH DC Racor	<b>25</b>
210 GPH AC Separ	<b>26</b>
Portable Cart Series	<b>27</b>
NEMA 3R Vented Enclosure Series	<b>28</b>
2000 GPH AC Separ	<b>29</b>
<b>Accessories</b>	<b>30</b>
<b>Separ Filter Element Replacement Instructions</b>	<b>31</b>
<b>Separ Filter Backflushing Instructions</b>	<b>32</b>

- Powerful
- Compact
- Self-priming
- Moves a variety of viscous and non-viscous fluids
- Durable
- Customizable to suit a variety of applications

### Options

#### Switch, Base, and Fuse Assembly

(S): On - Off  
 Reversing (R): On - Off - On  
 Momentary (M): On - Off

#### Available with Bypass.

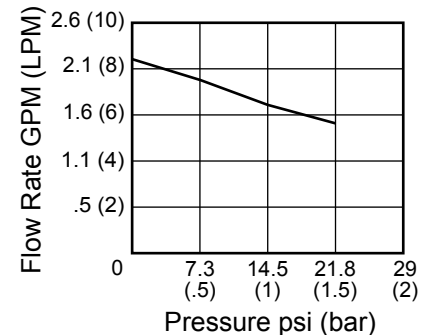
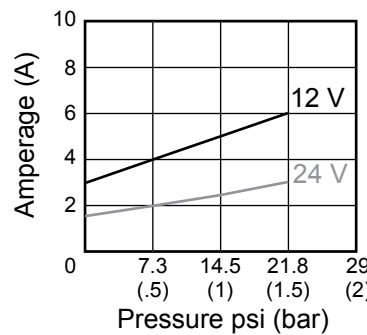
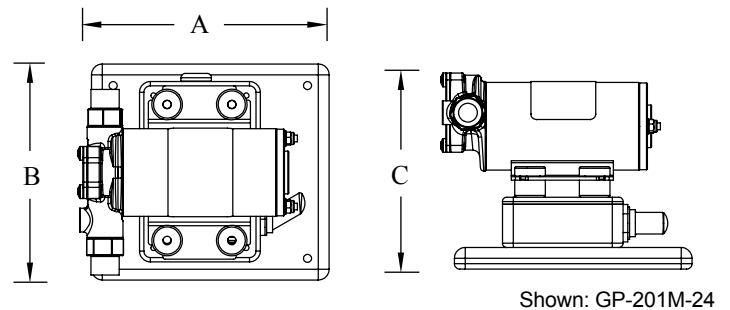
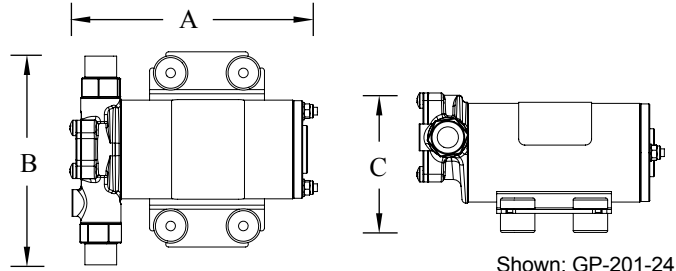
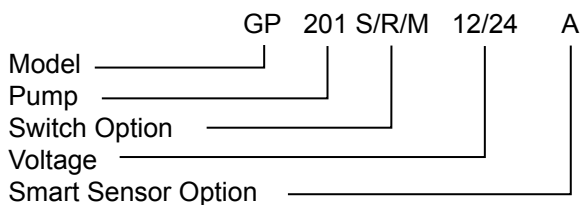
Contact Reverso Pumps for details.

### Technical Specification

Ports	3/8" Male NPT
Max work pressure	22 psi (1.5 bar)
Max work temperature	140 °F (60 °C)
Flow Rate	1.5 GPM (5.6 LPM)
Self priming	1.5 ft (0.46 m) (wet gears)
Lift	5 ft (1.5 m)
Pump body	Brass
Gears	Bronze
Shaft	Stainless steel
Seal	Fluoroelastomer lip seal
Motor	12V or 24V DC
Fuse	10A@12V, 5A@24V

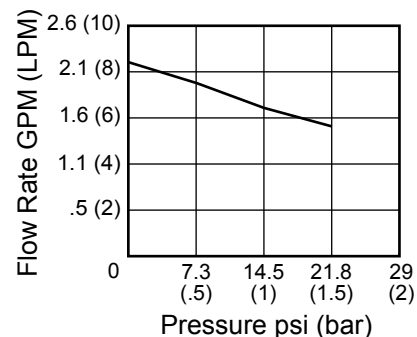
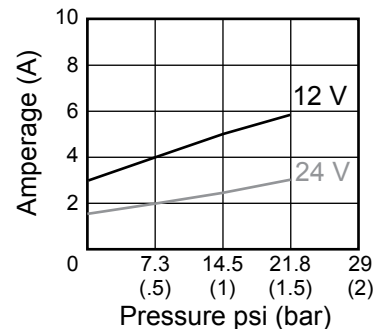
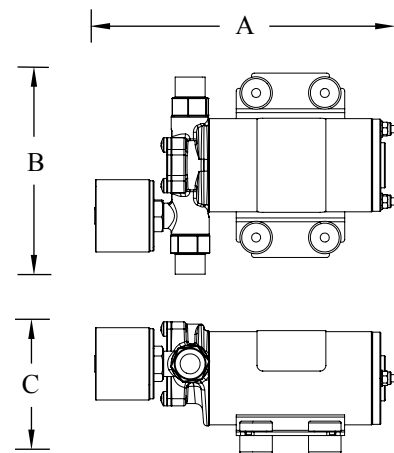
Model	A	B	C	Weight
GP-201 DC	5.05" (128.3mm)	4.29" (109mm)	2.87" (72.9mm)	2.5 lbs (1.13 kg)
GP-201S/R/M	5.5" (139.7mm)	5" (127mm)	4.54" (115.3mm)	3.5 lbs (1.59 kg)

### Ordering Specifications



Drawing dimensions for reference only.  
 Technical drawings available upon request.

- Speed control reduces noise level, current consumption, and mechanical wear and tear
- Pressure sensor controls pressure, current, and voltage of the pump motor
- Protected from short circuits and overloads
- 3-color LED indicates functional status of pump
- Powerful
- Compact
- Self-priming
- Moves a variety of viscous and non-viscous fluids
- Durable
- Available in 12V and 24V



Drawing dimensions for reference only.  
Technical drawings available upon request.

Shown: GP-201-A

LED Color	Functional Status
Green and blinking	Stand-by at max preset pressure
Green and steady	Increasing flow to reach preset pressure and meet the demand flow rate
Yellow and steady	Reached preset pressure with steadying flow rate to maintain constant pressure on the pipeline
Red and flickering	Decreasing flow to reduce pressure to the preset valve
Yellow-Green and blinking	Overload and pump stops
Red and steady	Overload and must restart pump

### Technical Specification

Ports	3/8" Male NPT
Pressure sensor preset	21.8 psi (1.5 bar)
Max work temperature	104 °F (40 °C)
Min work temperature	14 °F (-10 °C)
Flow Rate	2.6 GPM (10 LPM)
Motor	12V or 24V DC
Fuse	10A@12V, 10A@24V
Working Amperage	7.5A@12V, 7.5A@24V

This pump has been designed for discontinuous use.

Model	A	B	C	Weight
GP-201A	6.53" (165.9mm)	4.29" (109mm)	2.87" (72.9mm)	3 lbs (1.36 kg)

Part Number	Description
GP-201-A	DC gear pump with Smart Sensor

- Moves variety of viscous and non-viscous fluids
- Ideal for high viscous fluids like oil
- Ideal for longer run time
- Compact and durable
- Self-priming
- Customizable to suit a variety of applications
- Available in 12V and 24V

#### Options

##### Switch, Base, and Fuse Assembly

(S): On - Off

Reversing (R): On - Off - On

Momentary (M): On - Off

##### Available with Bypass.

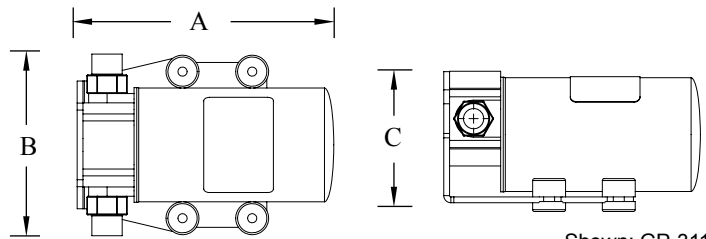
Contact Reverso Pumps for details.

#### Technical Specification

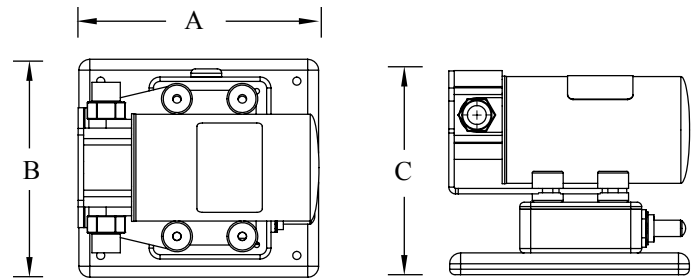
Ports	3/8" Male NPT
Max work pressure	50 psi (3.5 bar)
Max work temp.	140 °F (60 °C)
Flow Rate	2.1 GPM (8 LPM)
Self-priming	5 ft (1.5 m) (wet gears)
Pump body	Brass
Gears	Bronze
Shaft	Stainless steel
Seal	Fluoroelastomer lip seal
Motor	12V or 24V DC Meets IP-65 specifications - waterproof
Fuse	10A@12V, 5A@24V
Maximum Draw	8A@12V, 4A@24V

Part Number	Description
GP-311-12	12 Volt
GP-311-24	24 Volt
GP-311S-12	12 Volt, On - Off switch
GP-311S-24	24 Volt, On - Off switch
GP-311R-12	12 Volt, Reversing switch
GP-311R-24	24 Volt, Reversing switch
GP-311M-12	12 Volt, Momentary switch
GP-311M-24	24 Volt, Momentary switch

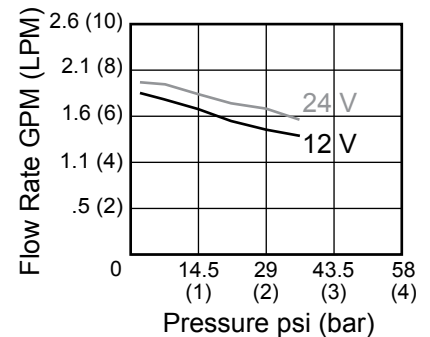
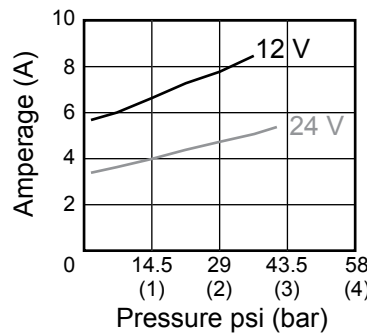
Model	A	B	C	Weight
GP-311 DC	5.53" (140.5mm)	3.91" (99.3mm)	3.00" (76.2mm)	3 lbs (2.75 kg)
GP-311S/R/M	5.5" (140.5mm)	5" (127mm)	4.68" (118.9mm)	4.5 lbs (2.04 kg)



Shown: GP-311-12

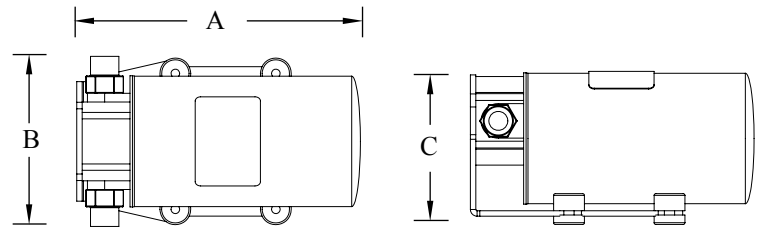


Shown: GP-311R-12

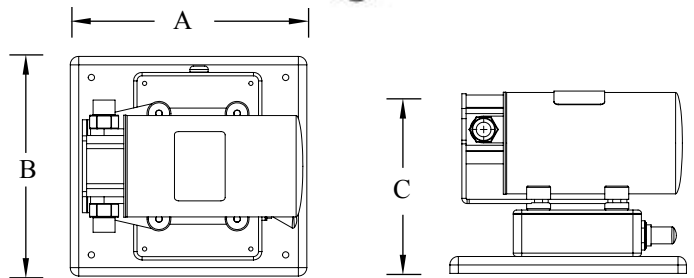
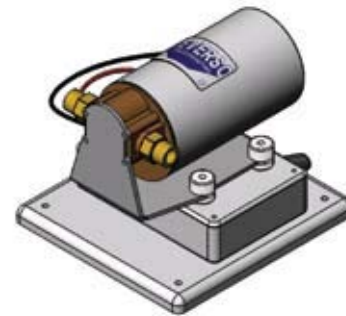


Drawing dimensions for reference only  
Technical drawings available upon request.

- Ideal for high viscous fluids like oil
- Ideal for longer run time
- Compact and durable
- Positive displacement
- Self-priming
- IP-65 rated
- Customizable to suit a variety of applications
- Available in 12V and 24V



Shown: GP-312-12



Shown: GP-312M-24

#### Options

##### Switch, Base, and Fuse Assembly

(S): On - Off  
 Reversing (R): On - Off - On  
 Momentary (M): On - Off

##### Available with Bypass.

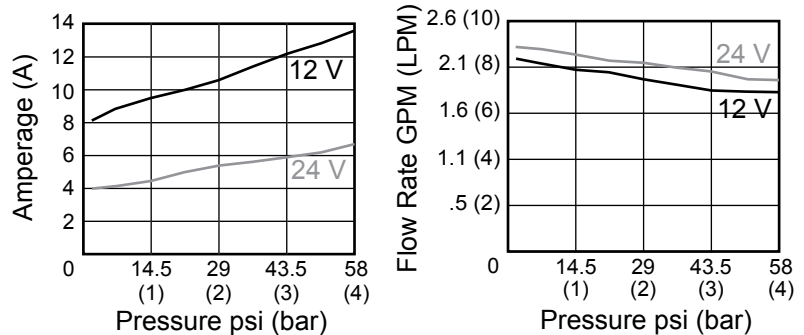
Contact Reverso Pumps for details.

#### Technical Specification

Ports	3/8" Male NPT
Max work pressure	50 psi (3.5 bar)
Max work temp.	140 °F (60 °C)
Flow Rate	2.6 GPM (10 LPM)
Self-priming	5 ft (1.5 m) (wet gears)
Pump body	Brass
Gears	Helical Bronze
Shaft	Stainless steel
Seal	Fluoroelastomer lip seal
Motor	12V or 24V DC Meets IP-65 specifications - waterproof
Breaker	10A@12V, 5A@24V
Maximum Draw	8A@12V, 4A@24V

Part Number	Description
GP-312-12	12 Volt
GP-312-24	24 Volt
GP-312S-12	12 Volt, On - Off switch
GP-312S-24	24 Volt, On - Off switch
GP-312R-12	12 Volt, Reversing switch
GP-312R-24	24 Volt, Reversing switch
GP-312M-12	12 Volt, Momentary switch
GP-312M-24	24 Volt, Momentary switch

Model	A	B	C	Weight
GP-312 DC	6.53" (165.9mm)	3.91" (99.3mm)	3.4" (86.4mm)	6 lbs (2.72 kg)
GP-312S/R/M	7" (165.9mm)	6.5" (99.3mm)	5.36" (136.1mm)	7.5 lbs (3.4 kg)



Drawing dimensions for reference only  
 Technical drawings available upon request.

- Self-priming
- Moves light viscous fluids up to 30 feet
- Motor is reversible and self-ventilated
- CE Certified
- Customizable to suit a variety of applications
- Available in 110V (60 Hz) and 220V (50 or 60 Hz)

**Options**

**Switch, Base, and Fuse Assembly**

(S): On - Off

Reversing (R): On - Off - On

**Available with Bypass.**

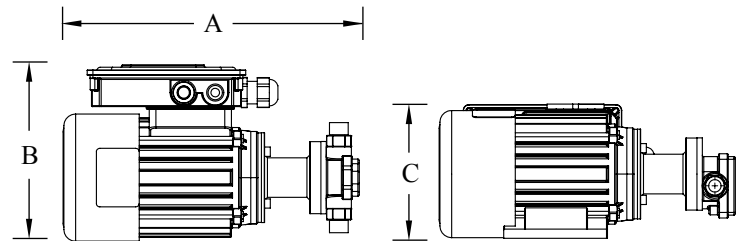
Contact Reverso Pumps for details.

**Technical Specification**

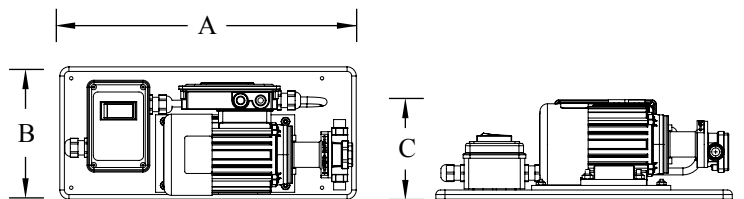
Ports	3/8" Male NPT
Volt	110V@60 Hz, 220V@50 Hz
Watt	140@110v AC 60Hz
Flow Rate	3.6 GPM (13.6 LPM)
Self-priming	5 ft (1.5 m) (wet gears)
Lift	30 ft (9.1 m) (water)
Pump body	Brass
Gears	Bronze
Shaft	Stainless steel
Seal	Fluoroelastomer lip seal
Motor	AC Self Ventilated
Insulation	IP54
Breaker	10A@110V, 5A@220V
Amp. Draw	3A@110V, 1.2A@220V

Model	A	B	C	Weight
GP301 AC	10.34" (262.6mm)	6.17" (156.7mm)	4.7" (119.4mm)	10 lbs (4.54kg)
GP301S/R	16.5" (419.1mm)	7.25" (184.2mm)	5.44" (138.2mm)	14 lbs (6.35kg)

Part Number	Description
GP-301-10	110 Volt, 60 Hz
GP-301-20	220 Volt, 50/60 Hz
GP-301S-10	110 Volt, On - Off switch
GP-301S-20	220 Volt, On - Off switch
GP-301R-10	110 Volt, Reversing switch
GP-301R-20	220 Volt, Reversing switch



Shown: GP-301-10



Shown: GP-301R-20

Drawing dimensions for reference only  
Technical drawings available upon request.

- Provides higher flow rate than the GP-301 AC
- Self-priming
- Moves light viscous fluids up to 50 feet
- Motor is reversible and self-ventilated
- CE Certified
- Customizable to suit a variety of applications
- Available in 110V (60 Hz) and 220V (50/60 Hz)

**Options**

**Switch, Base, and Breaker Assembly (For 110v version only)**

(S): On - Off  
Reversing (R): On - Off - On

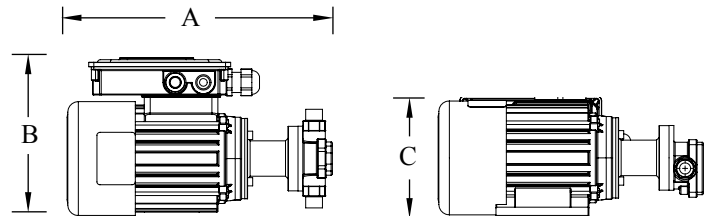
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Contact Reverso Pumps for details.

**Technical Specification**

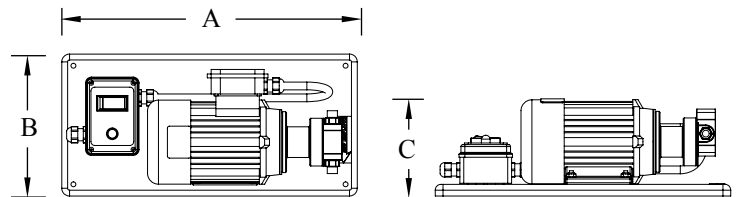
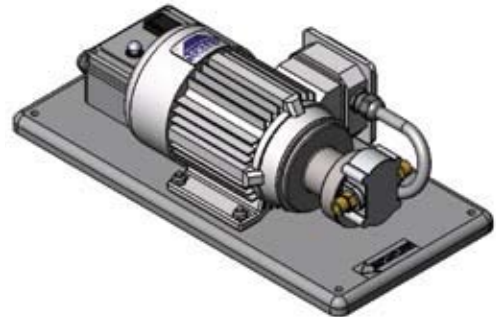
Ports	1/2" Male NPT
Volt	110V@60 Hz, 220V@50 Hz
Watt	550@110v AC 60Hz
Flow Rate	8.5 GPM (32.18 LPM)
Self priming	5 ft (1.5 m) (wet gears)
Lift	50 ft (15.2 m) (water)
Pump body	Brass
Gears	Bronze
Shaft	Stainless steel
Seal	Fluoroelastomer lip seal
Motor	AC Self-Ventilated
Insulation	IP54
Breaker	10A@110V, 5A@220V

Model	A	B	C	Weight
GP-602 AC	12.51" (317.8mm)	7.43" (188.8mm)	5.5" (139.7mm)	14 lbs (6.4 kg)
GP-602S/R	19" (482.6mm)	9.125" (231.8mm)	6.25" (158.8mm)	16 lbs (7.26 kg)

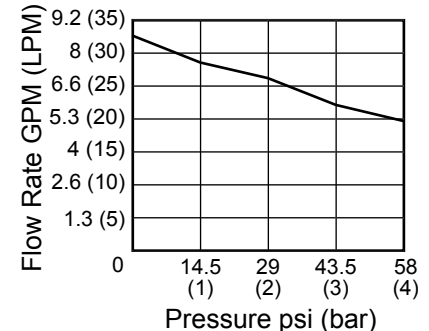
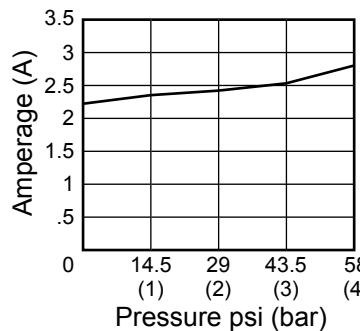
Part Number	Description
GP-602-10	110 Volt, 60 Hz
GP-602-20	220 Volt, 50/60 Hz
GP-602S-10	110 Volt, On - Off switch
GP-602S-20	220 Volt, On - Off switch
GP-602R-10	110 Volt, Reversing switch
GP-602R-20	220 Volt, Reversing switch



Shown: GP-602-10



Shown: GP-602S-10



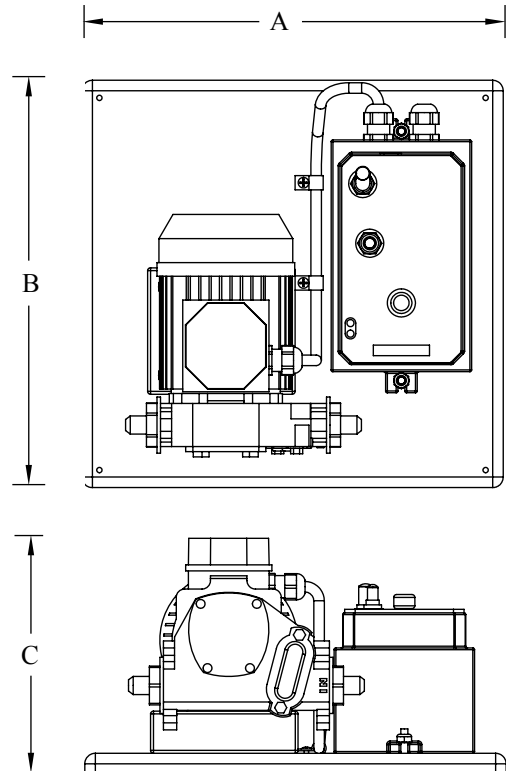
Drawing dimensions for reference only  
Technical drawings available upon request.



# VP-620 Metering Pump

with AC Rotary Vane Pump  
Flow Range: 0.5 -18 GPM (1.9 - 68 LPM)

- Powerful system in a compact unit
- Available in 110V, 220V (Single or 3 Phase), or 400V (3-Phase)
- Power Start: Provides more than 200% starting torque which ensures startup of high frictional loads
- Electronic Inrush Current Limit: Eliminates harmful inrush AC line current during repetitive pump startup
- Regeneration Protection: Eliminates tripping due to rapid deceleration of high inertial loads
- Ride Through: Provides a smooth recovery to the previous set speed during a momentary power loss
- Diagnostic LEDs: Power on (POWER) and control status (STATUS)
- Protection Features:
  - Under voltage and over voltage protection
  - MOV input transient protection
  - Micro controller self-monitoring and auto-reboot
  - Short circuit protected phase-to-phase at motor
- Built in 100 micron filter
- Customizable to suit a variety of applications
- For diesel fuel only



### Technical Specification

Ports	1" BSP
Volt	110V or 220V
Watt	370W, 110V@60 Hz 450W, 220V@60 Hz
Self-priming	6.7 ft (2 m) (wet gears)
Max. Suction Lift	11.5 ft (3.5 m) above liquid level
Pump Body	Cast-Iron
Type	Rotary Vane
Seal	Mechanical
Motor	Induction, IP55 rated

	A	B	C	Weight
VP-620 Metering Single Phase	15" (381 mm)	14.5" (368 mm)	9.4" (239 mm)	N/A

Product Number	Description
VP-621-10V6	110 Volt, 60 Hz w/ variable speed control
VP-621-20V6	220 Volt, 60 Hz w/ variable speed control
VP-623-20V6	220 Volt, 60 Hz, 3 Phase w/ variable speed control
VP-623-40V6	400 Volt, 60 Hz, 3 Phase w/ variable speed control

Drawing dimensions for reference only  
Technical drawings available upon request. Shown: VP-621-10V6

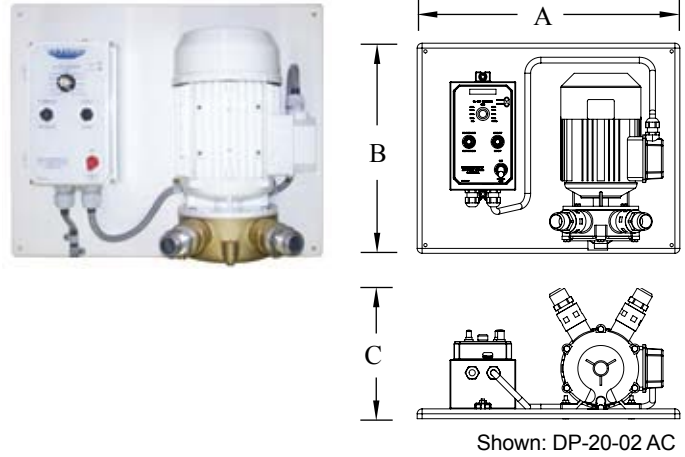
# DP Series

## High Flow Liquid Transfer Pump

### Adjustable Flow: 15-32 GPM (56.8-121.1 LPM)

- Ideal for high flow diesel transfer
- Self-priming after initial fill
- Available AC or DC powered
- Reversible flow and precise flow control for AC versions

Top View: Pump must be mounted in horizontal position ONLY.



#### Technical Specification

	DP 15 DC/AC	DP 20 DC/AC	DP 30 DC/AC
Ports	#16 Male JIC	#16 Male JIC	#20 Male JIC
Max lift	39'/60'	60'/60'	72'/72'
Fluid temperature	32°F - 158°F (0°C - 70°C)		
Flow Rate at 0° level	15 GPM (56.8 LPM)	20GPM (75.7 LPM)	32 GPM (121.1 LPM)
Self priming	18 ft (5.5 m)	20 ft (6.1 m)	20 ft (6.1 m)
Pump body	Bronze		
Impeller	Bronze		
Shaft	316 Stainless steel		
Seal	Corrosion-proof NBR, w/ bronze spring		
Motor	DC/AC single phase	DC/AC single phase or 3-phase	DC/AC single phase or 3-phase
Continuous Duty	Yes		

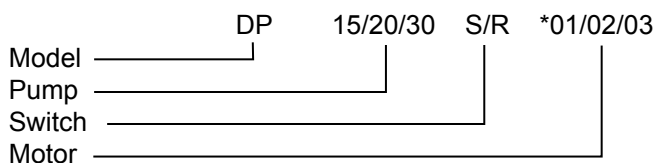
#### Amperage

	DP 15	DP 20	DP 30
DC	24V@22A	24V@28A	24V@45A
AC	110/220V@10A 50/60Hz@10A	110/220V@10A 50/60Hz@10A	110/220V@15A 50/60Hz@15A

#### Weight

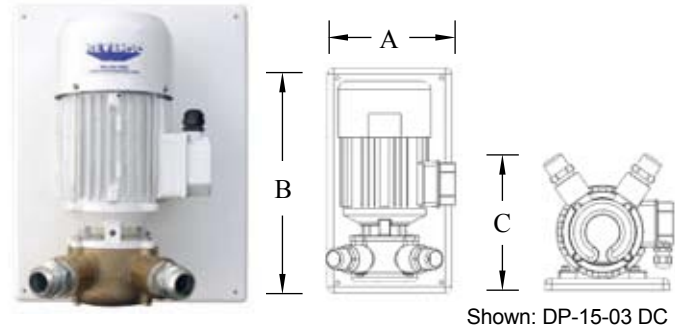
	Motor	Controller
DP-15-AC	20 lbs (9.07 kg)	8 lbs (3.6 kg)
DP-15-DC	22 lbs (10 kg)	N/A
DP-20-AC	28 lbs (12.7 kg)	8 lbs (3.6 kg)
DP-20-DC	32 lbs (14.5 kg)	N/A
DP-30-AC	42 lbs (19 kg)	12 lbs (5.5 kg)
DP-30-DC	46 lbs (21 kg)	N/A

#### Ordering Specifications

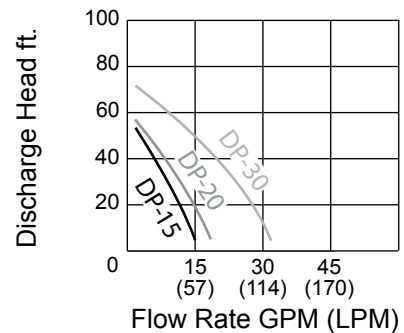


\*Power Option: 01 (110v), 02 (220v), and 03 (24v)

Model-AC	A	B	C
DP-15-AC	14" (355.6mm)	14" (355.6mm)	8.19" (208mm)
DP-20-AC	20" (508mm)	16" (406.4mm)	9.75" (247.7mm)
DP-30-AC	20" (508mm)	18" (457.2mm)	7.95" (201.5mm)



Model-DC	A	B	C
DP-15-DC	7.75" (196.9mm)	14" (355.6mm)	8.19" (208mm)
DP-20-DC	11" (279.4mm)	15" (381mm)	9.75" (247.7mm)
DP-30-DC	12" (304.8mm)	20" (508mm)	7.95" (201.5mm)



Drawing dimensions for reference only  
 Technical drawings available upon request.

## Impeller Pump OP Series

- Suitable for oil, diesel fuel, or water
- Transfers hot or cold oil quickly and cleanly to and from the oil pan
- 3-Position switch (On-Off-On)
- Safety lock prevents accidental activation
- Easy operation: Flow is in direction of switch

### Technical Specification

Ports	(Ext) M 3/4" Hose (Int) F 3/8" NPT
Max pressure	15 psi
Amp. Draw	7A@12V, 3A@24V
Flow Rate	3.0 GPM (11.35 LPM)
Impeller	Nitrile (Standard), Fluoroelastomer (Optional)
Self priming	3 ft (0.91 m)
Lift	10 ft (3.05 m)
Seal	Nitrile (Standard), Fluoroelastomer (Optional)
Motor	12V or 24V DC
Fuse	15A@12V, 10A@24V

### Impellers & Gaskets

360010	Impeller (Nitrile) use for oil or water transfer
360014	Impeller (Fluoroelastomer) use for diesel fuel transfer
360120	Gasket for OP-6

### Repair Kits: Impeller + Gasket Set

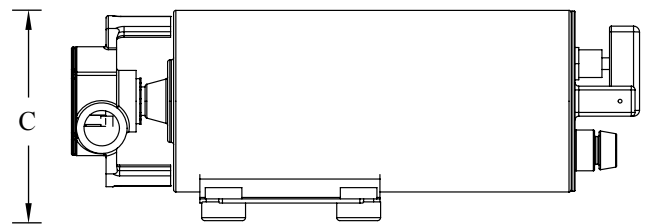
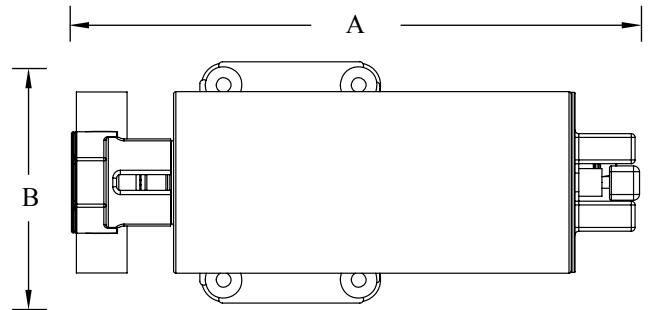
SRK-360	1 Oil/water set
SRK-370	1 Diesel/oil set

### Rebuild Kits: Impeller + Gasket + Seals Set

SRK-361	1 Oil/water set
SRK-371	1 Diesel/oil set

Model	A	B	C	Weight
OP-6	9.46" (240.3mm)	4.29" (109mm)	3.5" (88.9mm)	4.5 lbs (2.04 kg)
OP-6FV	9.46" (240.3mm)	4.29" (109mm)	3.5" (88.9mm)	4.5 lbs (2.04 kg)

Part Number	Description
OP-6-12	12 Volt
OP-6-24	24 Volt
OP-6FV-12	12 Volt, Fluoroelastomer impeller
OP-6FV-24	24 Volt, Fluoroelastomer impeller



Drawing dimensions for reference only  
Technical drawings available upon request.

Shown: OP-6-12

### Inside the OP-6

- Reversible
- Self-priming
- Chrome plated brass head
- Built in switch guard
- Fused at the motor
- Easily changed Impeller
- "CE" certified



*Reverso oil change systems ensure spill-free oil draining and refilling for engines, transmissions, and generators.*

- It simplifies oil changes and reduces chances of oil spills.
- Reverso has been the premier maker of oil change systems for over 20 years.
- Installed as standard equipment by a majority of boat builders
- These products are compact, reversible, and self-priming
- Closed loop oil change system



Figure A: Typical Installation

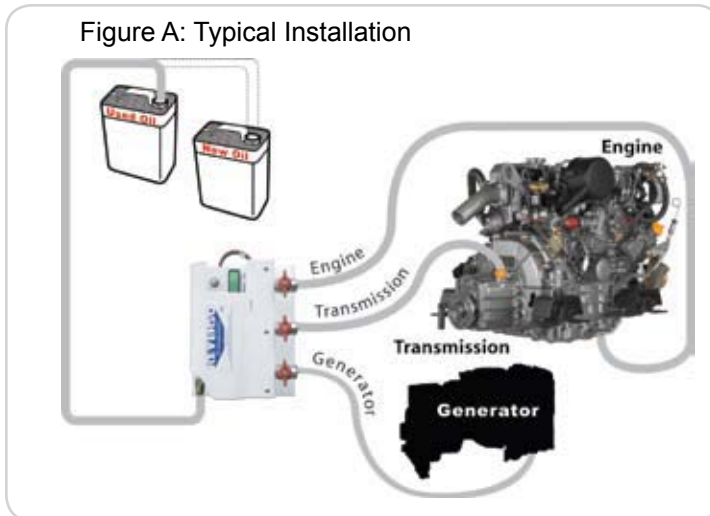


Figure B



## Operation

1. Figure A: Place drain hose from the oil change system unit into your waste bucket.
2. Figure A: Open manifold drain valve - you'll have the choice to draw from the engine, transmission, or Gen-Set (unit comes with labels to indicate source).  
Only open one valve. The unit is not designed to pull from more than one valve at a time.
3. Figure B: Move the switch to Drain position to move oil to the waste bucket.  
Do not leave pump unattended. This could result in running the pump completely dry and/or overfilling and spilling oil.  
Once flow has stopped, turn the unit off.  
Repeat process with other valves for additional locations.
4. Remove the hose from the waste bucket; place it in the new oil bucket.
5. Move the switch to the fill position to refill the system with appropriate fluids one valve at a time.  
Close valves once finished.

## Oil Change System with Impeller Pump

Reverso has been the premier maker of oil change systems for over 20 years. This product is installed as standard equipment by a majority of boat builders.

- Reversible (Drains and fills engines)
- Self-priming
- Chrome plated brass head
- Built-in switch guard
- Easily changed impeller
- “CE” certified
- Available with valve options 2 - 6

### Technical Specification

Pump Port	1/2" Flare
Manifold Ports	1/2" FNPT
Amp. Draw	7.0A@12v, 3A@24v
Flow Rate	2 GPM (7.57 LPM)
Self priming	3 ft (0.91 m)
Lift	10 ft (3.05 m)
Pump body	Nickel Brass
Impeller	Nitrile (Standard)
Working Pressure	0 to 15 psi
Seal	Nitrile Rubber
Motor	12V or 24V DC
Fuse	15A@12V, 10A@24V

### Impellers & Gaskets

360010	Impeller (Nitrile) use for oil or water transfer
360014	Impeller (Fluoroelastomer) use for diesel fuel transfer & diesel engine oil
360120	Gasket for OP-6

### Repair Kit: Impeller + Gasket Set

SRK-360	1 Oil/water set
SRK-370	1 Diesel/oil set

### Rebuild Kits: Impeller + Gasket + Seals Set

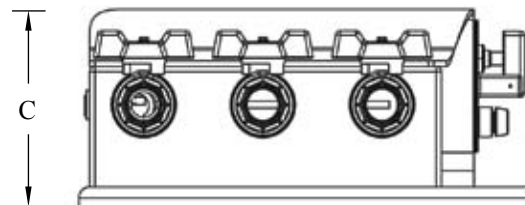
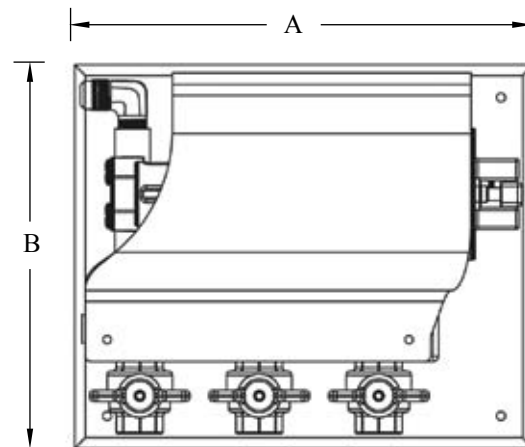
SRK-361	1 Oil/water set
SRK-371	1 Diesel/oil set

### Parts

360060	Cover Plate for OP- 6
360070	Brass Cam for OP- 6
36015	Fuse (15 amp slow burn)
360002	Pump Head Assembly
36003	3 - Way Toggle Switch (On-Off-On)

### Ordering Specifications

Model \_\_\_\_\_ OP 70\_ 12/24  
 Pump \_\_\_\_\_  
 # of valves \_\_\_\_\_  
 Voltage \_\_\_\_\_



Drawing dimensions for reference only.  
 Technical drawings available upon request.

Shown: OP-703-12

Model	A	B	C	Weight
OP-702	9.6" (244.5mm)	8.8" (223.9mm)	4.55" (115.6mm)	10 lbs (4.5kg)
OP-703	10.6" (269.9mm)	8.8" (223.9mm)	4.55" (115.6mm)	11 lbs (5.0kg)
OP-704	11.6" (295.3mm)	8.8" (223.9mm)	4.55" (115.6mm)	12 lbs (5.5kg)
OP-705	14.3" (362mm)	8.8" (223.9mm)	4.55" (115.6mm)	13 lbs (5.9kg)
OP-706	16.3" (418.8mm)	8.8" (223.9mm)	4.55" (115.6mm)	15 lbs (6.8kg)

## Oil Change System with Gear Pump

Reverso has been the premier maker of oil change systems for over 20 years. This product is installed as standard equipment by a majority of boat builders.

- Compact
- Reversible (Drains and fills engines)
- Self-priming
- Simplifies oil changes
- Reduces chances of oil spills
- Central service point for multiple equipment
- Available with valve options 2 - 6



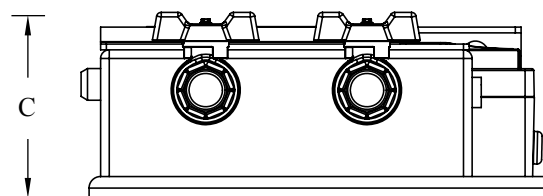
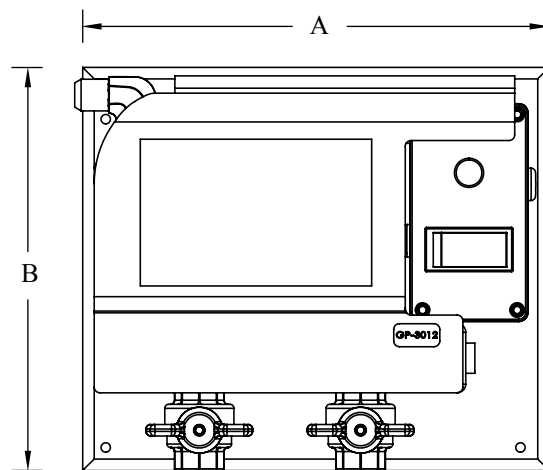
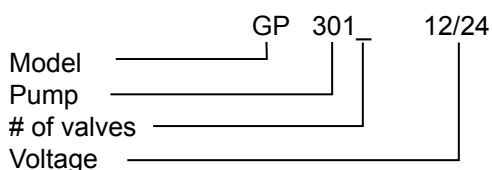
### Technical Specification

Pump Port	1/2" Flare
Manifold Ports	1/2" FNPT
Flow Rate	2.5 GPM (9.46 LPM)
Self-priming	5 ft (1.5 m) (wet gears)
Lift	10 ft (3.05 m)
Pump body	Nickel Brass
Gears	Bronze
Shaft	Stainless Steel
Seal	Fluoroelastomer lip seal
Motor	12V or 24V DC
Breaker	10A@12V, 5A@24V

Pressure	12V Flow	12V Amp	24V Flow	24V Amp
0.2 psi	2.6 GPM	3A	2.4 GPM	1.8A
10 psi	2.3 GPM	3.6A	2.1 GPM	2.4A
15 psi	2.1 GPM	3.9A	1.9 GPM	2.7A
20 psi	1.9 GPM	4.3A	1.8 GPM	2.8A
25 psi	1.6 GPM	4.8A	1.6 GPM	3A
30 psi	1.4 GPM	5.2A	1.3 GPM	3.4A
35 psi	1.3 GPM	5.9A	1.1 GPM	3.8A
40 psi	1.1 GPM	6.4A	0.9 GPM	4.3A

Model	A	B	C	Weight
GP-3012	10.1"(257.2mm)	8.75"(222.3mm)	4"(101.6mm)	10 lbs(4.5kg)
GP-3013	10.1"(257.2mm)	8.75"(222.3mm)	4"(101.6mm)	10 lbs(4.5kg)
GP-3014	11.8"(298.5mm)	8.75"(222.3mm)	4"(101.6mm)	11 lbs(5.0kg)
GP-3015	14.4"(365.1mm)	8.75"(222.3mm)	4"(101.6mm)	12 lbs(5.5kg)
GP-3016	16.5"(419.1mm)	8.75"(222.3mm)	4"(101.6mm)	13 lbs(5.9kg)

### Ordering Specifications



Drawing dimensions for reference only.  
 Technical drawings available upon request. Shown: GP-3012-12

## Oil Change System with Gear Pump

Reverso has been the premier maker of oil change systems for over 20 years. This product is installed as standard equipment by a majority of boat builders.

- Reversible (Drains and fills engines)
- Self-priming
- Compact
- Simplifies oil changes
- Reduces chances of oil spills
- Available with valve options 3 - 5

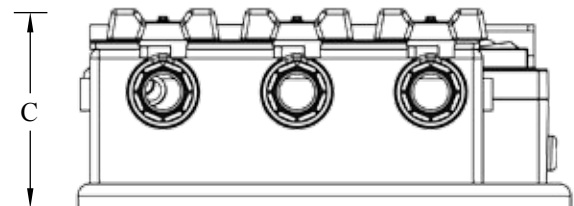
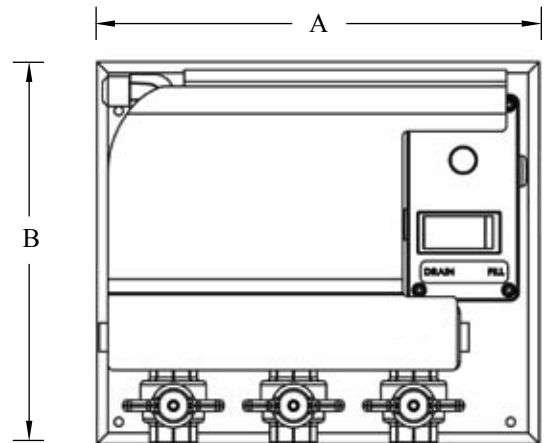
### Technical Specification

Pump Port	1/2" Flare
Manifold Ports	1/2" NPT full flow valve
Flow Rate	3 GPM (11.35 LPM)
Self-priming	5 ft (1.52 m) (wet gears)
Lift	15 ft (4.6 m)
Pump body	Brass
Gears	Bronze
Shaft	Stainless Steel
Seal	Fluoroelastomer lip seal
Motor	12V or 24V DC
Breaker	20A@12V, 10A@24V

Pressure	12V Flow	12V Amp	24V Flow	24V Amp
0.2 psi	2.8 GPM	3.9 A	2.9 GPM	1.7 A
10 psi	2.6 GPM	4.8 A	2.8 GPM	2.3 A
15 psi	2.4 GPM	5.3 A	2.6 GPM	2.7 A
20 psi	2.3 GPM	6.3 A	2.6 GPM	3.1 A
25 psi	2.1 GPM	6.7 A	2.4 GPM	3.6 A
30 psi	1.9 GPM	7.5 A	2.3 GPM	4.1 A
35 psi	1.6 GPM	8.3 A	2.3 GPM	4.4 A
40 psi	1.4 GPM	8.5 A	2.1 GPM	4.7 A

Model	A	B	C	Weight
GP-3023	11.5" (292.1mm)	9.5" (241.3mm)	4.5" (114.3mm)	13 lbs (5.90kg)
GP-3024	14.3" (363.2mm)	9.5" (241.3mm)	4.5" (114.3mm)	14 lbs (6.35kg)
GP-3025	14.3" (363.2mm)	9.5" (241.3mm)	4.5" (114.3mm)	15 lbs (6.38kg)

Part Number	Valves	Description
GP-3023-12	3	12 Volt
GP-3023-24	3	24 Volt
GP-3024-12	4	12 Volt
GP-3024-24	4	24 Volt
GP-3025-12	5	12 Volt
GP-3025-24	5	24 Volt



Drawing dimensions for reference only.  
 Technical drawings available upon request. Shown: GP-3023-12

## Heavy Duty Oil Change System

Reverso has been the premier maker of oil change systems for over 20 years. This product is installed as standard equipment by a majority of boat builders.

- Reversible (Drains and fills engines)
- Self-priming
- Compact
- Simplifies oil changes
- Reduces chances of oil spills
- Available with valve options 3 - 7

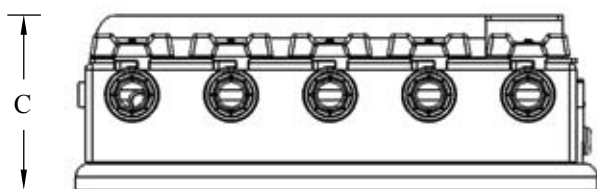
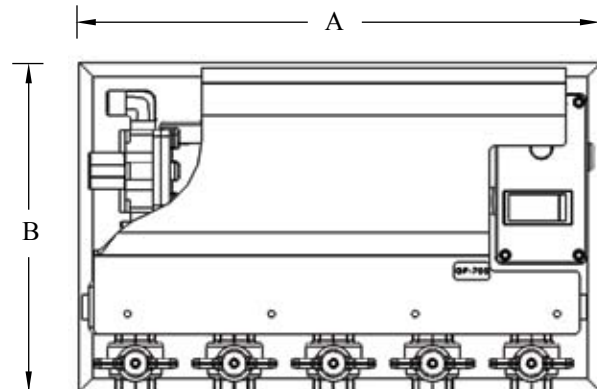
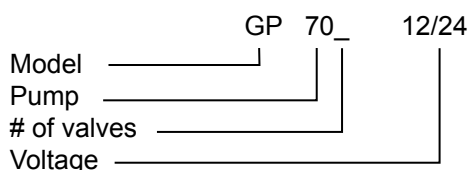
### Technical Specification

Pump Port	1/2" Flare
Manifold Ports	1/2" FNPT
Flow Rate	3 GPM (11.35 LPM)
Self-priming	5 ft (1.5 m) (wet gears)
Lift	20 ft (6.1 m)
Pump body	Brass
Gears	Bronze
Shaft	Stainless Steel
Seal	Fluoroelastomer lip seal
Motor	12V or 24V DC
Breaker	20A@12V, 10A@24V

Pressure	12V Flow	12V Amp	24V Flow	24V Amp
0.2 psi	3.0 GPM	6.0A	3.5 GPM	3.4A
10 psi	3.3 GPM	7.2A	3.5 GPM	3.7A
15 psi	3.3 GPM	8.3A	3.5 GPM	4.1A
20 psi	3.1 GPM	9.2A	3.2 GPM	4.8A
25 psi	3.1 GPM	10.1A	3.2 GPM	5.2A
30 psi	2.9 GPM	11.5A	3.1 GPM	5.8A
35 psi	2.9 GPM	12.9A	3.1 GPM	6.5A
40 psi	2.7 GPM	14.2A	2.9 GPM	7.3A

Model	A	B	C	Weight
GP-703	14.5"(368.3mm)	9.1"(232mm)	4.7"(119.9mm)	23 lbs(9.1kg)
GP-704	14.5"(368.3mm)	9.1"(232mm)	4.9"(124.5mm)	23 lbs(9.1kg)
GP-705	14.5"(368.3mm)	9.1"(232mm)	4.9"(124.5mm)	23 lbs(9.1kg)
GP-706	16.5"(365.8mm)	9.1"(232mm)	4.7"(118.1mm)	24 lbs(10.86kg)
GP-707	20"(508mm)	9.1"(232mm)	4.7"(118.1mm)	24 lbs(10.86kg)

### Ordering Specifications



Drawing dimensions for reference only.  
 Technical drawings available upon request.

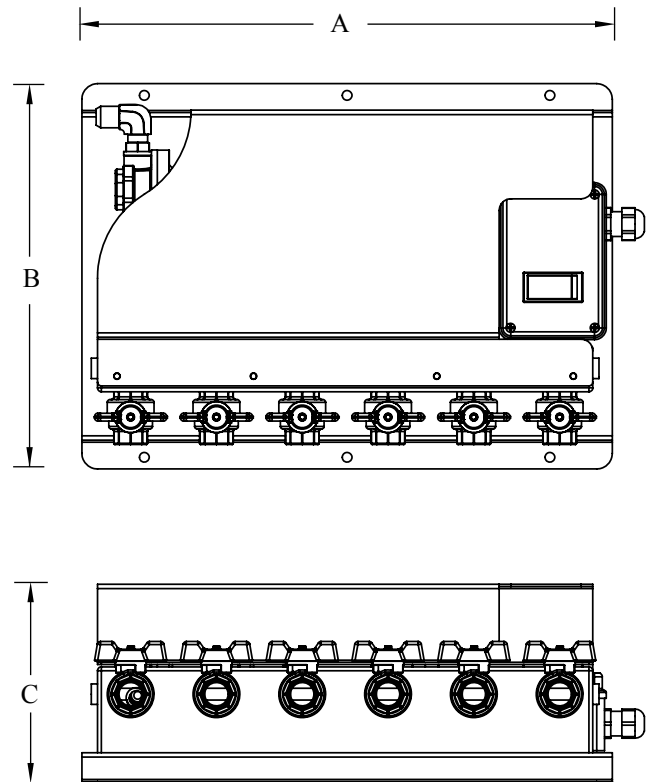
Shown: GP-705-12



## AC Oil Change System with Gear Pump

Reverso has been the premier maker of oil change systems for over 20 years. This product is installed as standard equipment by the majority of boat builders.

- Industrial strength
- Multiple power options
- Ideal for larger vessels
- Stainless cover and base
- Control box contains breaker
- Reversible (Drains and fills engines)
- Self-priming
- Compact
- Simplifies oil changes
- Reduces chances of oil spills
- Available with valve options 3 - 7



### Technical Specification

Pump Ports	1/2" Flare
Manifold Ports	1/2" FNPT
Breaker	5A@110V
Volt	110V@60 Hz, 220V@50 Hz
Flow Rate	3.5 GPM (13.25 LPM)
Lift	30 ft (9.14 m) (water) (wet gears)
Pump body	Brass
Gears	Bronze
Shaft	Stainless Steel
Seal	Fluoroelastomer lip seal
Motor	AC TEFC (Totally Enclosed Fan Cooled)

Model	A	B	C	Weight
GP-805	17"(432mm)	12.4"(315mm)	6.3"(160mm)	30 lbs(13.6kg)
GP-806	17"(432mm)	12.4"(315mm)	6.3"(160mm)	30 lbs(13.6kg)

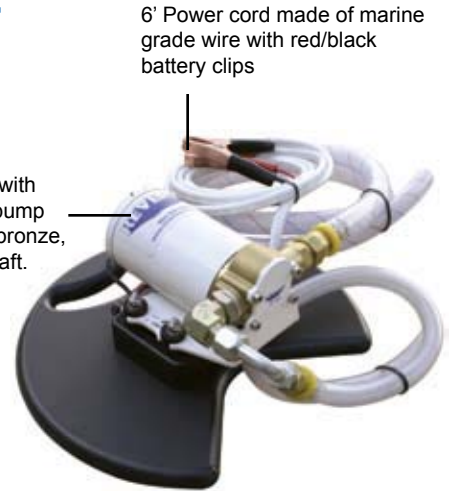
Part Number	Valves	Description
GP-805-10-06	5	110 Volt, 60 Cycle Motor
GP-805-20-05	5	220 Volt, 50 Cycle Motor
GP-805-20-06	5	220 Volt, 60 Cycle Motor
GP-806-10-06	6	110 Volt, 60 Cycle Motor
GP-806-20-05	6	220 Volt, 50 Cycle Motor
GP-806-20-06	6	220 Volt, 60 Cycle Motor

Drawing dimensions for reference only.  
 Technical drawings available upon request.      Shown: GP-806-20-05

- Reversible
- Self-priming
- Compact size with exceptional flow rate: 3 GPM (11 LPM)
- Powerful pumps specially designed to be used with oils.

### GP-311BKT

GP-311 brass gear pump with a durable 12v DC motor, pump head is brass, gears are bronze, and has stainless steel shaft.



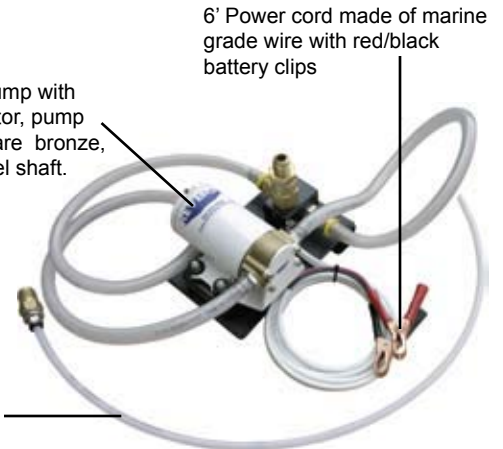
## Gear Pump Series

### Technical Specification

Ports	3/8" Male JIC
Fuse	10A@12V 5A@24V
Flow Rate	2.1 GPM (8 LPM)
Self priming	5 ft (1.5 m) (wet gears)
Pump body	Brass
Gears	Bronze
Shaft	Stainless Steel
Seal	Fluoroelastomer lip seal
Motor	12V or 24V DC
Weight	311BKT: 7 lbs (3.18 kg) 311P: 6 lbs (2.72 kg)

### GP-311P

GP-311 brass gear pump with a durable 12v DC motor, pump head is brass, gears are bronze, and has stainless steel shaft.



## Impeller Pump Series

### Technical Specification

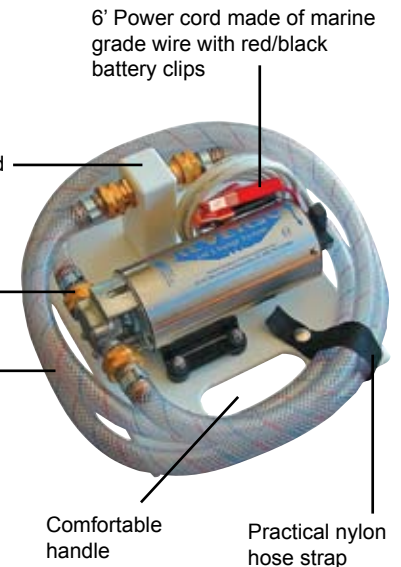
Ports	3/4" M Hose & 3/8" FNPT
Amp. Draw (load 20 PSI)	7A@12V 3A@24V
Flow Rate	3 GPM (11.35 LPM)
Self priming	3 ft (0.91m)
Lift	10 ft (3.05 m)
Impeller	Nitrile (Standard) Fluoroelastomer (Optional)
Working Pressure	0-15 psi (0-1.03 bar)
Seal	Nitrile Rubber
Motor	12V or 24V DC
Fuse	15A@12V, 10A@24V
Weight	8 lbs (3.63 kg)

### OP-700

King Starboard pump base include connector holders to avoid oil spillage during unit transport.

Special flare to fit into buckets

Hoses are 40" and 60" long. Both equipped with brass adapters.



Reverso has been the premier maker of oil change systems for over 20 years. This product is installed as standard equipment by a majority of boat builders.

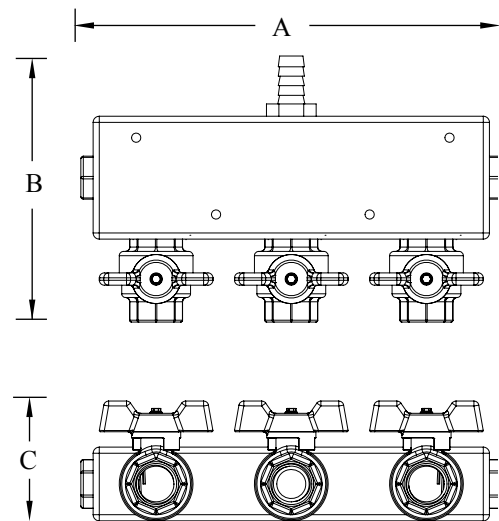
- For oil
- Allows multiple hoses to be connected to one pump
- Mount in any direction
- Mounting holes are pre-drilled for easy installation
- Marine grade Starboard
- Nickel brass full flow 1/2" ball valves.
- 1/2" Hose Barb.
- Available with valve options 2-7



### Technical Specification

Manifold Ports	1/2" Female NPT
Valves	Nickel chromed full flow ball valve
Max. Working Pressure	150 psi (10.3 bar)
Materials	Marine King Starboard
Mounting Holes	3/16"
Color	White or Black

Model	Valves	A	B	C	Weight
VA-2	2	5" (381mm)	5.40" (137.16mm)	2.50" (63.5mm)	1 lbs (0.45 kg)
VA-3	3	8.125" (206.4mm)	5.40" (137.16mm)	2.50" (63.5mm)	1 lbs (0.45 kg)
VA-4	4	1.125" (282.6mm)	5.40" (137.16mm)	2.50" (63.5mm)	2 lbs (0.90 kg)
VA-5	5	13.688" (347.7mm)	5.40" (137.16mm)	2.50" (63.5mm)	2 lbs (0.90 kg)
VA-6	6	15.813" (401.7mm)	5.40" (137.16mm)	2.50" (63.5mm)	2 lbs (0.90 kg)
VA-7	7	18.625" (473.1mm)	5.40" (137.16mm)	2.50" (63.5mm)	3 lbs (1.36 kg)



Drawing dimensions for reference only.  
Technical drawings available upon request.

Shown: VA-3

**DC Fuel Priming System**

- Pumps fuel into the fuel lines, purging trapped air in the main feed line and primary filters, secondary filters and engine.
- Protects delicate fuel systems:  
Contains integral pressure relief valves which are factory set to deliver the proper fuel pressure for each engine. Engine models available: MTU, MAN, CAT, Detroit 2000 / 4000 series, etc.
- Easy to install:  
As simple as splitting the fuel line and connecting each end of the fuel line to each side of the unit.
- Easy to operate:
  - a) Close valve (on primer), open the air vent on filters or engine and flip the switch.
  - b) When lines are purged, close the vents and open the valve (on primer).
- Has a small footprint
- 1" ports that accommodate a variety of engine sizes



Shown with optional Pendant Switch

**Technical Specification**

Ports	1" NPT Ports
Valve	1" Full Flow
Circuit Breaker	10A@12V, 5A@24V
Dimensions	10" x 11.38" x 4.36" (254 x 287 x 110mm)
Weight	13 lbs (5.9 kg)

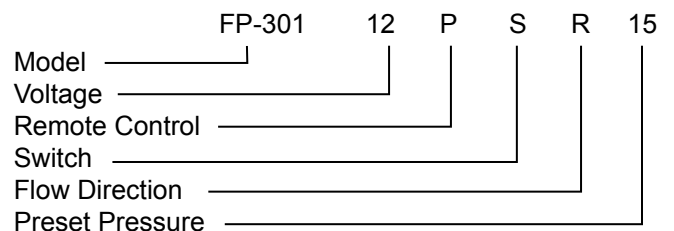
**Option**

FP	Pendant switch (remote switch with extension cord)
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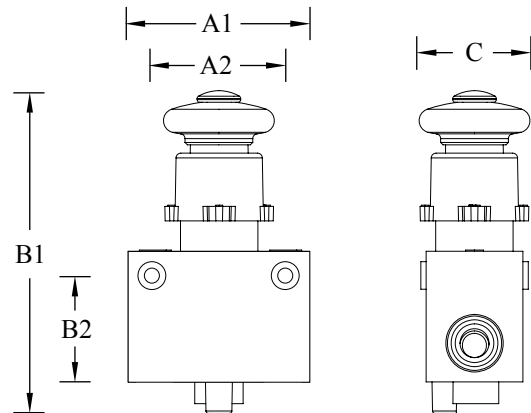
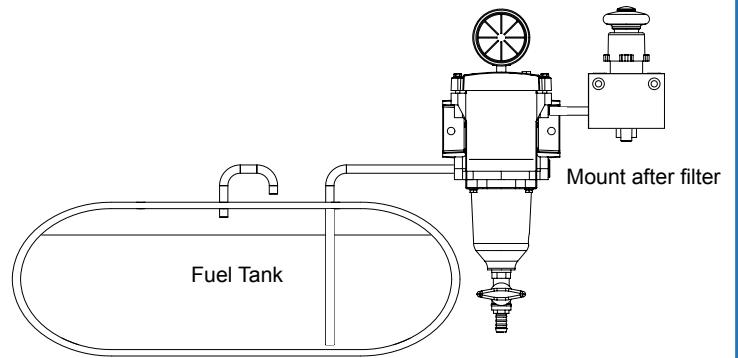
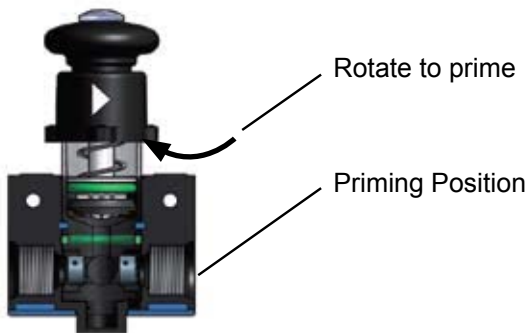
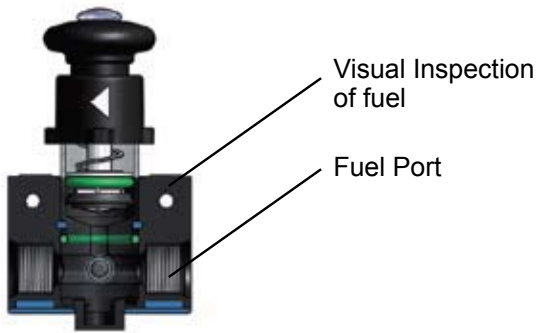
**Ordering Specifications**

12	12 Volt
24	24 Volt
P	*Remote Control (leave blank for no remote)
S	Switch (momentary) (on the electric box)
N	No Switch (on the electric box)
L	Left to Right (Fuel flow direction)
R	Right to Left (Fuel flow direction)
15	Preset valve pressure (MTU, Detroit engine)
22	Preset valve pressure (MAN engine)

Typical Installation



- Compact
- High Flow
- Can be mounted in any position
- Zero pressure drop in operating position
- Unique in-line design
- Compatible with B100 bio-diesel



### Technical Specification

Internal Diameter (I.D.)	1/2"
Thread Size	m22 x 1.5
Operating Temp. Range	-40°C to +120°C
Pressure	develops 100 psi (7.5 bar)
Flow	.85 oz (25mL) per stroke

Model	Dimension	
10666	A1	2.95" (74.9 mm)
	A2	2.17" (55.1 mm)
	B1	4.96" (126 mm)
	B2	1.73" (43.9 mm)
	C	1.57" (39.9 mm)

Drawing dimensions for reference only.  
Technical drawings available upon request.  
Only use with compatible fluids.

\* Patent pending

### Multi-Functional Features

- Primary fuel water separator- Removes 99.9% of water  
(Certified TUV Report using SAE J1839)
- In-line manual fuel primer
- Drain/fill oil change system
- Environmentally responsible
- Minimal fuel flow restriction

### Benefits

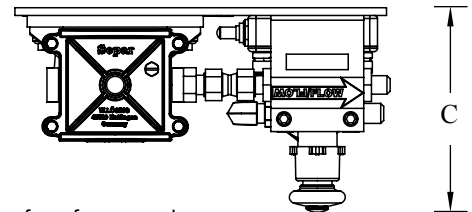
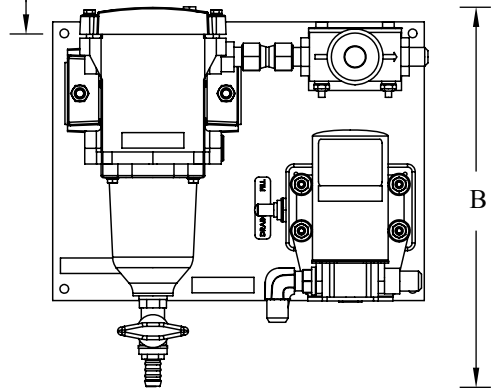
- Protects engine and augments reliability
- Reduces priming time
- Saves time on maintenance
- Reduces waste stream and risk of oil spillage
- Pumps oil into and out of engine
- Increases fuel system component life



Service Side Convenience



4" Minimum height required for filter servicing



Drawing dimensions for reference only. Technical drawings available upon request.

### Technical Specification

Filter	
Element	30 Micron
Flow Rate	79 GPH (299 LPH)
Inlet	#8 O-Ring Boss
Marine Version	Includes bowl w/ heat shield
Oil Change System - Fills and Drains	
Ports	1/2" Male JIC
Flow Rate	3 GPM (11.3 LPM)
Self Priming	5 ft (1.5 m) (wet gears)
Primer	
Operating temp. range	-40°C to +120°C
Flow	.85 oz (25 mL) per stroke
Pressure	develops 100 psi (7 bar)
Internal Diameter (I.D.)	1/2"
Fitting size	1/2" Male JIC

Model	A	B	C	Weight
SC-550-311-12	12" (304.8mm)	12.25" (311.2mm)	6.52" (165.6mm)	13 lbs (5.9kg)

*Our systems act as an insurance policy against bad fuel.  
You control the quality of your fuel.  
Available sizes for all tank capacities.*

Reverso oil change systems are known and trusted by diesel engine owners throughout the world. The same quality and dependability is found in our line of fuel polishing systems, which feature Separ or Racor® filters. Reverso fuel polishing systems keep fuel clean and reliable.

### Benefits

- Designed to eliminate 99% of sludge and 99.9% water separation (Certified TUV Report using SAE J1839) that can accumulate at the bottom of the tank.
- The system takes fuel from the tank and passes it through a fuel water separator, removing the bulk of large particulate and water.
- The reduction of dirty fuel going to the engine fuel system.

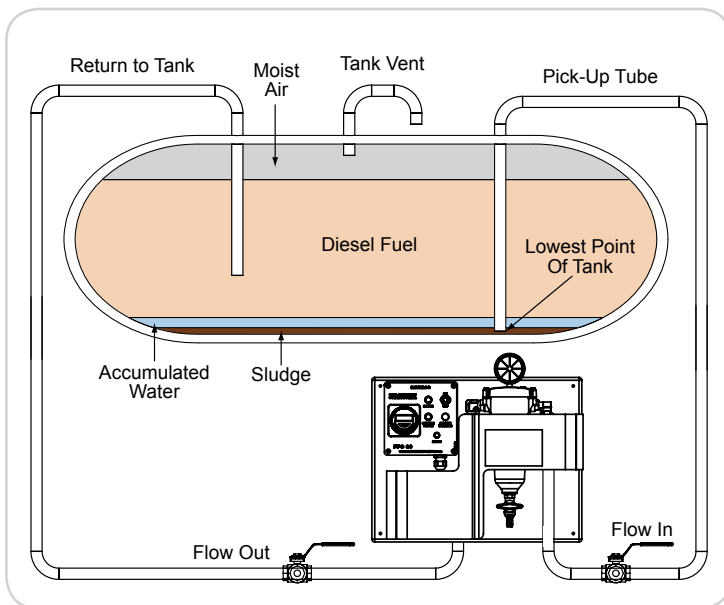


Diagram: Suggested installation with pick-up at lowest point possible in the tank, return at the highest, and fuel polishing system reasonably close.

- Improves diesel engine fuel system reliability
- Unique service filter alarm
- Eliminates sludge and water build-up in the tank
- Reduces cost of filter maintenance
- 99.9% water separation  
(Certified TUV Report using SAE J1839)
- 99% particulate removal
- Compact Design
- Optional magnetic fuel conditioner
- Available with Mechanical or Digital Timer
- Marine version with U.S. Coast Guard-accepted metal heat deflector

### Technical Specification

Inlet	1/2" #8 JIC Male
Outlet	1/2" #8 JIC Male
Volt	12V or 24V DC
Amp. Draw	2.7A@12V, 1.4A@24V
Circuit Breaker	10A@12V, 5A@24V
Flow Rate	80 GPH (303 LPH)
Max Lift	4 ft (1.22 m)
Pump Body	Brass
Gears	Bronze
Shaft	Stainless Steel
Seal	Fluoroelastomer lip seal
Motor	DC Permanent Magnet

### Industrial Part Number Description

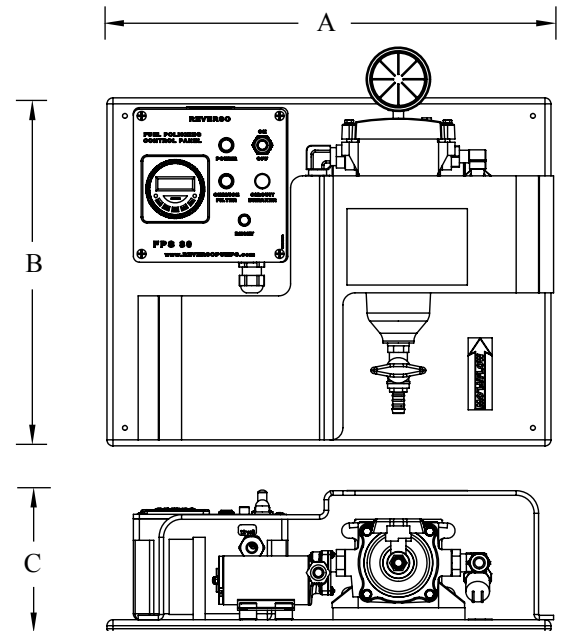
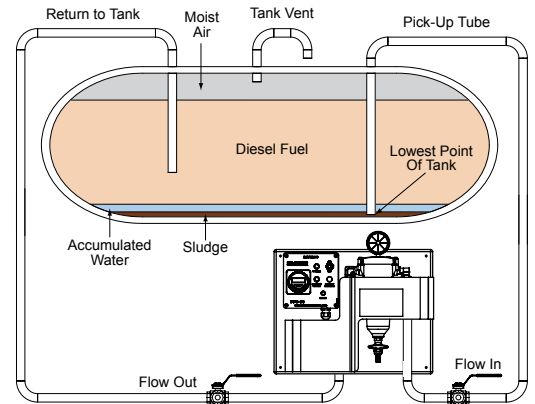
Digital Timer	Mech. Timer	
FPS80S17	FPS80S37	12V w/ fuel conditioner
FPS80S18	FPS80S38	24V w/ fuel conditioner
FPS80S19	FPS80S39	Reverso 12V Separ
FPS80S20	FPS80S40	Reverso 24V Separ

### Marine Part Number Description

Digital Timer	Mech. Timer	
FPS80S01	FPS80S21	12V w/ fuel conditioner w/ metal heat deflector
FPS80S02	FPS80S22	24V w/ fuel conditioner w/ metal heat deflector
FPS80S03	FPS80S23	Reverso 12V Separ w/ metal heat deflector
FPS80S04	FPS80S24	Reverso 24V Separ w/ metal heat deflector

Filter Elements	Description
00510/50	2000/5/50 10 Micron
00530/50	2000/5/50 30 Micron (standard)
00560/50S	2000/5/50 60 Micron, stainless steel

Model	A	B	C	Weight
FPS-80	18.50" (469.9mm)	14.50" (368.3mm)	6.75" (171.5mm)	21 lbs (9.5kg)



Drawing dimensions for reference only.  
 Technical drawings available upon request. Shown: FPS80S19



- Unique service filter alarm
- Eliminates sludge and water build-up in the tank
- Reduces cost of filter maintenance
- 99.9% water separation  
(Certified TUV Report using SAE J1839)
- 99% particulate removal
- Compact Design
- Optional magnetic fuel conditioner
- Available with Mechanical or Digital Timer
- Marine version with U.S. Coast Guard-accepted metal heat deflector.

### Technical Specification

Inlet	1/2" #8 JIC Male
Outlet	1/2" #8 JIC Male
Volt	12V or 24V DC
Circuit Breaker	10A@12V, 5A@24V
Flow Rate	150 GPH (567.8 LPH)
Self Priming	5 ft (1.5 m) (System Primed)
Max Lift	10 ft (3.05 m)
Pump Body	Brass
Gears	Bronze
Shaft	Stainless Steel
Seal	Fluoroelastomer lip seal
Motor	DC Permanent Magnet

### Industrial Part Number Description

Digital Timer	Mech. Timer	Description
FPS150S41	FPS150S19	12V w/ fuel conditioner
FPS150S42	FPS150S20	24V w/ fuel conditioner
FPS150S43	FPS150S21	Reverso 12V Separ
FPS150S44	FPS150S22	Reverso 24V Separ

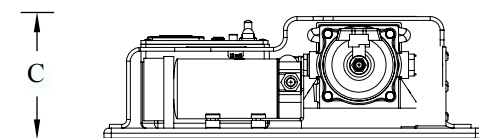
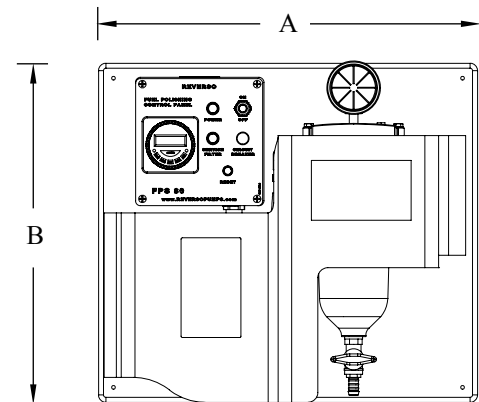
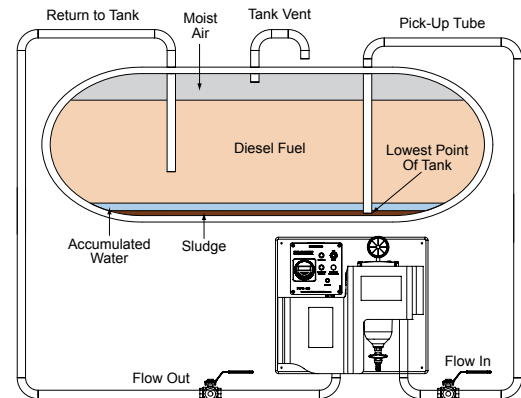
### Marine Part Number Description

Digital Timer	Mech. Timer	Description
FPS150S23	FPS150S01	12V w/ fuel conditioner w/ metal heat deflector
FPS150S24	FPS150S02	24V w/ fuel conditioner w/ metal heat deflector
FPS150S25	FPS150S05	Reverso 12V Separ w/ metal heat deflector
FPS150S26	FPS150S06	Reverso 24V Separ w/ metal heat deflector

### Filter Elements Description

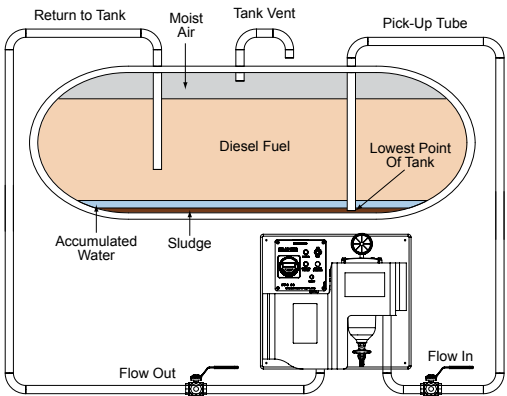
Filter Elements	Description
01010	2000/10 10 Micron
01030	2000/10 30 Micron (standard)
01060S	2000/10 60 Micron, stainless steel

Model	A	B	C	Weight
FPS-150S	19" (482.6mm)	17.00" (431.8mm)	6.11" (155.2mm)	25 lbs (11.34kg)



Drawing dimensions for reference only.  
 Technical drawings available upon request. Shown: FPS150S21

- Unique service filter alarm
- Eliminates the build-up of sludge and water in the tank
- Reduces cost of filter maintenance
- Features genuine Racor® Aqua Block® element
- Optional magnetic fuel conditioner
- Available with Mechanical or Digital Timer
- Marine version with U.S. Coast Guard-accepted metal heat deflector.

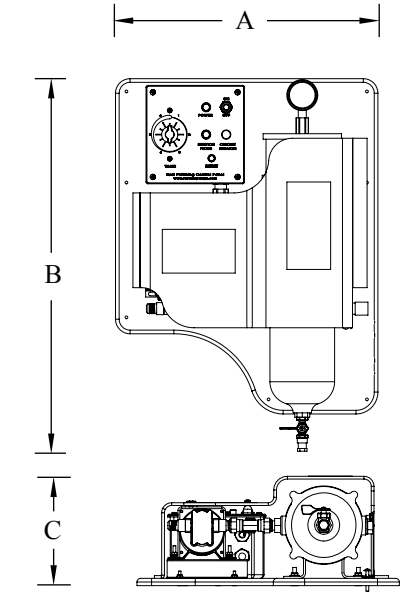


Technical Specification	
Inlet	1/2" #8 JIC Male
Outlet	1/2" #8 JIC Male
Volt	12V or 24V DC
Circuit Breaker	10A@12V, 5A@24V
Flow Rate	150 GPH (567.8 LPH)
Self-priming	5 ft (1.5 m) (System Primed)
Max Lift	10 ft (3.05 m)
Pump Body	Brass
Gears	Bronze
Shaft	Stainless Steel
Seal	Fluoroelastomer lip seal
Motor	DC Permanent Magnet

Industrial Part Number	Description	
Digital Timer	Mech. Timer	
FPS150R39	FPS150R17	12V Racor® w/ fuel conditioner
FPS150R40	FPS150R18	24V Racor® w/ fuel conditioner
FPS150R41	FPS150R19	12V Racor® System
FPS150R42	FPS150R20	24V Racor® System

Marine Part Number	Description	
Digital Timer	Mech. Timer	
FPS150R23	FPS150R01	12V Racor® w/ fuel conditioner w/ metal heat deflector
FPS150R24	FPS150R02	24V Racor® w/ fuel conditioner w/ metal heat deflector
FPS150R25	FPS150R03	12V Racor® System w/ metal heat deflector
FPS150R26	FPS150R04	24V Racor® System w/ metal heat deflector

Model	A	B	C	Weight
FPS-150R	18.00" (457.2mm)	25.59" (650mm)	7.50" (190.5mm)	38 lbs (17.24 kg)



Drawing dimensions for reference only. Technical drawings available upon request. Shown: FPS150R41

- Unique service filter alarm
- Eliminates sludge and water build-up in the tank
- Reduces cost of filter maintenance
- 99.9% water separation (Certified TUV Report using SAE J1839)
- 99% particulate removal
- Compact Design
- Optional magnetic fuel conditioner
- Available with Mechanical or Digital Timer
- Marine version with U.S. Coast Guard-accepted metal heat deflector.

### Technical Specification

Inlet & Outlet	1/2" #8 JIC Male
Volt	110 or 220v AC
Amp. Draw	3A@110V, 1.2A@220V
Circuit Breaker	10A@110V, 10A@220V
Watts	140
Flow Rate	210 GPH (795 LPH)
Self Priming	5 ft (1.5 m) (System Primed)
Max Lift	30 ft (9.14 m)
Pump Body	Brass
Gears	Bronze
Shaft	Stainless Steel
Seal	Fluoroelastomer lip seal
Motor	AC Permanent Magnet

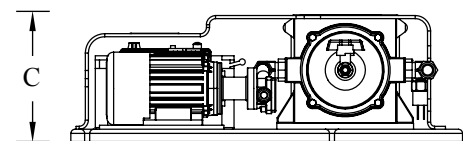
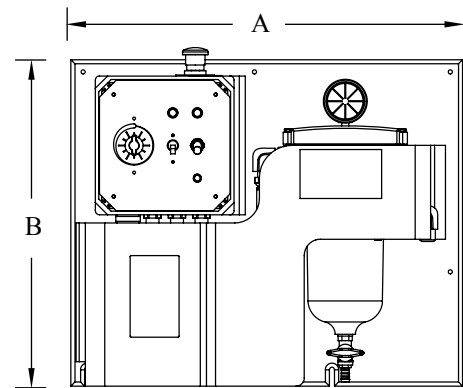
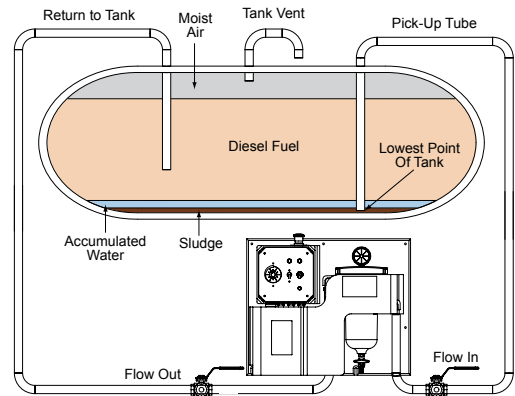
Industrial Part Number	Description
<b>Mechanical Timer</b>	
FPS210S35	110V@60Hz w/ fuel conditioner
FPS210S36	220V@50Hz w/ fuel conditioner
FPS210S37	Reverso 110V@60Hz Separ
FPS210S38	Reverso 220V@50Hz Separ
FPS-KIT-06	Replacement Memory Pack

Marine Part Number	Description
<b>Mechanical Timer</b>	
FPS210S01	110V@60Hz w/ fuel conditioner w/ metal heat deflector
FPS210S02	220V@50Hz w/ fuel conditioner w/ metal heat deflector
FPS210S05	Reverso 110V@60Hz Separ w/ metal heat deflector
FPS210S06	Reverso 220V@50Hz Separ w/ metal heat deflector
FPS-KIT-06	Replacement Memory Pack

Filter Elements	Description
01810	2000/18 10 Micron
01830	2000/18 30 Micron (standard)
01860S	2000/18 60 Micron, stainless steel

Model	A	B	C	Weight
FPS-210	23.25" (590.6mm)	22" (558.8mm)	7.75" (196.9mm)	60 lbs(27.2 kg)

Mechanical



Drawing dimensions for reference only. Technical drawings available upon request. Shown: FPS210S37

- Eliminates sludge and water build-up in the tank
- Reduces cost of filter maintenance
- 99.9% water separation (Certified TUV Report using SAE J1839)
- 99% particulate removal
- Portable Design
- Unique shutdown alarms for high vacuum, pressure, and water
- External emergency kill switch
- Equipped with variable speed control



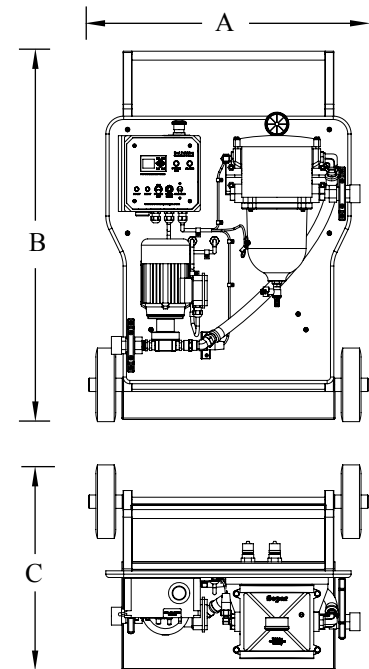
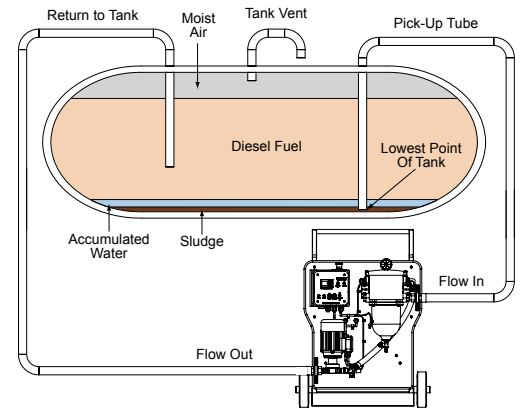
### Technical Specification

	FPS-600 cart	FPS-210 cart
Volt	110V or 220v AC	110V or 220v AC
Amp. Draw	7.5A@110V, 4.8@220V	3A@110V, 1.2A@220V
Watts	750	140
Flow Rate	600 GPH (2271 LPH)	210 GPH (795 LPH)
Circuit Breaker	10A@110V, 10A@220V	
Pump Body	Brass	
Gears	Bronze	
Shaft	Stainless Steel	
Seal	Fluoroelastomer lip seal	
AC Motor	110V@60Hz, 220V@50/60Hz	
Self Ventilated Continuous Duty Motor overload protected		
Harsh Environment Enamel Protected		

Part Number	Description
FPS-600S01	110V portable system, digital timer
FPS-600S01-02	220V@50Hz (standard; specify if 60Hz is desired) portable system, digital timer
FPS-KIT-06	Replacement Memory Pack
FPS210S11	110V portable system, mechanical timer, w/ fuel conditioner
FPS210S12	220V@50Hz (standard; specify if 60Hz is desired) portable system, mechanical timer, w/ fuel conditioner
FPS210S13	110V portable system, mechanical timer
FPS210S14	220V@50Hz (standard; specify if 60Hz is desired) portable system, mechanical timer

Filter Elements	Description
04010	FPS-600 10 Micron
04030	FPS-600 30 Micron
04060S	FPS-600 60 Micron, stainless steel
01810	FPS-210 10 Micron
01830	FPS-210 30 Micron
01860S	FPS-210 60 Micron, stainless steel

Model	A	B	C	Weight
FPS-600 cart	31.38" (796.9mm)	41.75" (1060.45mm)	23.0" (584.2mm)	175 lbs (79.4 kg)
FPS-210 cart	31.38" (796.9mm)	41.75" (1060.45mm)	23.0" (584.2mm)	90 lbs (40.85 kg)



Drawing dimensions for reference only. Shown: FPS-600-S01  
Technical drawings available upon request.

- Unique service filter alarm
- Eliminates sludge and water build-up in the tank
- Reduces cost of filter maintenance
- 99.9% water separation  
(Certified TUV Report using SAE J1839)
- 99% particulate removal
- Vented NEMA 3R Enclosure
- Digital timer

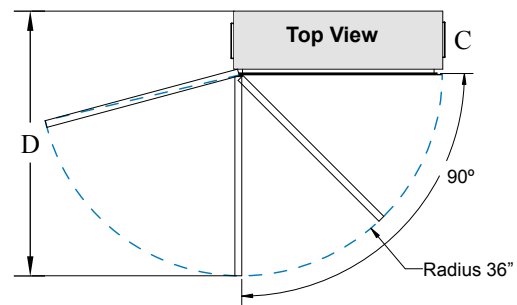
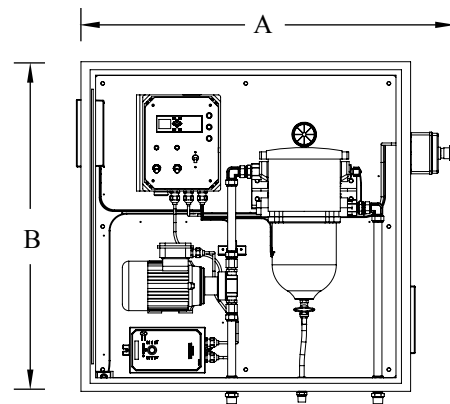
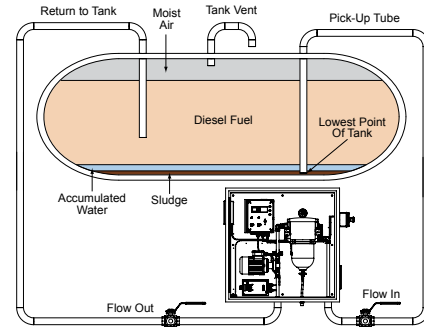
### Technical Specification

	FPS-600S02	FPS-210S34
Volt	110V or 220V AC	110V or 220V AC
Amp. Draw	7.5A@110V, 4.8@220v	3A@110V, 1.2A@220v
Watts	750	140
Flow Rate	600 GPH (2,271 LPH)	210 GPH (795 LPH)
Circuit Breaker	10A@110V, 10A@220V	
Pump Body	Brass	
Gears	Bronze	
Shaft	Stainless Steel	
Seal	Fluoroelastomer lip seal	
AC Motor	110V@60Hz, 220V@50/60Hz	
Self Ventilated Continuous Duty Motor overload protected		
Harsh Environment Enamel Protected		

Part Number	Description
FPS-600S02	220V@50Hz (standard; specify if 60Hz is desired)
FPS-600S02-01	110V@60Hz
FPS-210S34-24	220V@50Hz (standard; specify if 60Hz is desired)
FPS-210S34-23	110V@60Hz
FPS-KIT-07	Replacement Memory Pack

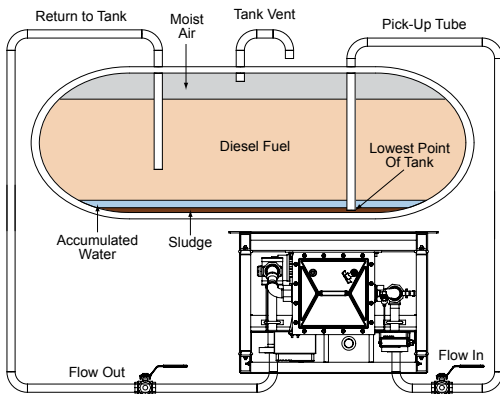
Filter Elements	Description
04010	FPS-600 10 Micron
04030	FPS-600 30 Micron
04060S	FPS-600 60 Micron, stainless steel
01810	FPS-210 10 Micron
01830	FPS-210 30 Micron
01860S	FPS-210 60 Micron, stainless steel

Model	A	B	C	D	Weight
FPS-600S02	40.75" (1,022 mm)	38.2" (972 mm)	14.12" (359 mm)	36" (914 mm)	200 lbs (91 kg)
FPS-210S34	40.75" (1,022 mm)	38.2" (972 mm)	14.12" (359 mm)	36" (914 mm)	200 lbs (91 kg)

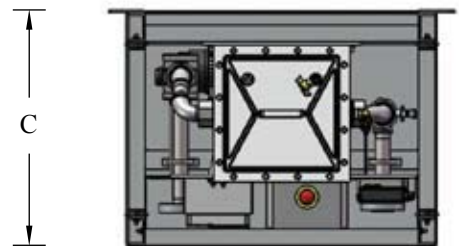
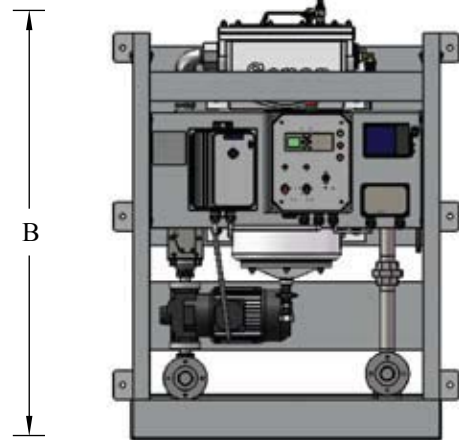


Drawing dimensions for reference only.  
 Technical drawings available upon request. Shown: FPS-600-S02

- Unique service filter alarm
- Eliminates sludge and water build-up in the tank
- Reduces cost of filter maintenance
- 99.9% water separation  
(Certified TUV Report using SAE J1839)
- 99% particulate removal
- Digital timer
- Runs unattended



← A →



### Technical Specification

Volt	110V@60Hz, 220V@50 Hz Single Phase
Amp. Draw	9A@110V, 9A@220V
Circuit Breaker	10A@110V, 10A@220V
Flow Rate	1,600 GPH (6,000 LPH)
Max Lift	16.4 ft (5 m) with foot valve
AC Motor	3-Phase with Variable Speed Control IP55 rated Rotary Vane
Pump Body	Cast-Iron
Frame	3" Channel 1.62 lbs

### Part Number Description

FPS-2000S01	110V, Single Phase
FPS-2000S02	220V, Single Phase
FPS-KIT-07	Replacement Memory Pack

### Filter Elements Description

01810	10 Micron x 4 per system
01830	30 Micron (standard) x 4 per system
01860S	60 Micron, stainless steel x 4 per system

Model	A	B	C	Weight
FPS-2000	36" (914mm)	45.95" (1,167mm)	24.37" (619mm)	315 lbs (142.9 kg)

Drawing dimensions for reference only.  
Technical drawings available upon request.

Shown: FPS-2000S01

## 60 MICRON STAINLESS STEEL Filter Element



## 30 MICRON Filter Element



## 10 MICRON Filter Element



### Fuel Polishing System

### Element #

FPS-80	00560/50S
FPS-150	01060S
FPS-210	01860S
FPS-600	04060S
FPS-2000	01860S x 4 per sys.

### Fuel Polishing System

### Element #

FPS-80	00530/50
FPS-150	01030
FPS-210	01830
FPS-600	04030
FPS-2000	01830 x 4 per sys.

### Fuel Polishing System

### Element #

FPS-80	00510/50
FPS-150	01010
FPS-210	01810
FPS-600	04010
FPS-2000	01810 x 4 per sys.

## WATER SENSORS



Shown: 10507-A

Sensor #	Description
10507-A	4 wire w/ assembly
10507	4 wire
10523-A	2 wire w/ assembly
10523	2 wire

## VACUUM GAUGE



#30652

## PUMP STRAINER



Gear Pump	Strainer #
GP-311	FL-3
GP-312	FL-3
GP-602	FL-6
GP-612	FL-6

## FITTINGS



A variety of fittings are available for products. Contact Reverso Pumps for details.

Prior to servicing the filters, ensure that the unit is OFF.

**Step 1**

Shut off the fuel supply valve and isolate unit before servicing the filter.



**Step 2**

Loosen the lid screws evenly.



**Step 3**

Remove the lid.



**Step 4**

Take out the spring cassette.



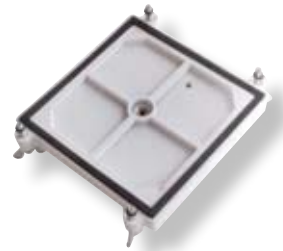
**Step 5**

Lift out filter element by the handle. Replace with new filter element and re-fit the spring cassette.



**Step 6**

Inspect lid gasket. Replace if necessary.



**Step 7**

Fit lid checking for correct positioning. Evenly tighten in the sequence shown.



**Step 8**

Open the fuel supply valve, prime fuel system and check for leaks.



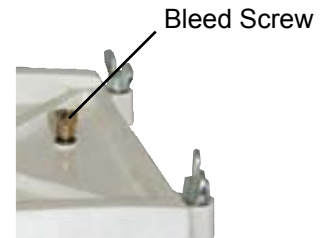


**Prior to servicing the filters, ensure that the engine is OFF.  
Backflushing is for particulate removal only and will not remove sludge once embedded in the filter media.**

### Step 1

Turn the system off and shut off the fuel supply valve.

Open the bleed screw located at top of filter lid by slightly unscrewing it. This will break the vacuum in the filter allowing water and small particulates to be released from the filter element.



### Step 2

Allow water and dirt to settle into bowl. Large droplets of water and dirt will fall to the bottom of the bowl.



### Step 3

*PUSH* in and turn counter-clockwise to open drain valve.

closed open



### Step 4

Drain out the water and dirt that has accumulated in the bottom of the bowl.



### Step 5

Close drain valve by pushing and turning clockwise. Allow dirt and water to settle again. As the fuel is drained out of the separator in step 4, more dirt and water will be flushed from the filter and will collect in the bottom of the bowl.



### Step 6

If necessary, repeat step 4 and 5. Open fuel supply valve.



### Step 7

Prime the filter and close the bleed screw.

