Electric Drum Pump

EDR-55

Electric drum pump designed for pumping fuels, water based media, light oils, DEF & select chemicals from metal drums of 55 gallon (205 litre or 275-330 gallon (1000-1250 litre) IBC's

Compact & lightweight construction

Convenient ON/OFF Switch with LED Indicator

Built-in fuse for overload protection
Silenced motor makes almost no noise

Stainless steel filter built into the suction tube inlet prevents contaminants from getting in & causing damage

Built-in 2" bung adaptor fits directly onto metal drums of 55 gallon (205 litre). Bung adapter can be adjusted by 0.6" (15 mm) to adjust to drums with varying heights. Includes an additional bung thread converter for converting 2" standard bung threads to 2.5" X 5 mm buttress for using pump with IBC's

Telescopic suction tube extends from 33-1/2" (850 mm) to 49" (1245 mm) for use with 55 gallon (205 litre) drums or 275-330 gallon (1000-1250 litre) IBC's

Supplied complete with 2m (6.6') hose & manual dispensing nozzle with 3/4" (19 mm) OD Stainless Steel Spout

Duty Cycle: 15 minutes On /
15 Minutes Off

WETTED COMPONENTS
Viton, POM, Stainless Steel, PE, NBR, PP

RECOMMENDED USE
Diesel, Kerosene, Bio Diesel, DEF/ Adblue, Water based media, Antifreeze, Detergents, Pesticides Herbicides, Urea, Light oils with viscosity upto 100 cst

DO NOT USE WITH
Gasoline, Corrosive chemicals, Lacquer thinners, any material that is not compatible with the pump construction

FEATURES

DELIVERS
UPTO 28 LPM (7.4 GPM)

FLUIDS

DIESEL	KEROSENE	BIO DIESEL	DEF / ADBLUE	WATER	ANTIFREEZE	DETERGENTS	PESTICIDES HERBICIDES	UREA	LIGHT OIL
									

SPECIFICATION

MOTOR TYPE	DC Brush Motor (5 Pole)
TEMPERATURE	5° to 40°C (41° to 104°F)
MAX. VISCOSITY OF MEDIA	100 cst

POWER SOURCE

POWER SOURCE	DC POWER	AC POWER	RECHARGEABLE (Ni-Cd)	RECHARGEABLE (Li-Ion)
Power Cord	4m long with Crocodile Clips	AC to DC Power Adapter	Rechargeable 1.5 Ah Ni Cd Battery with 1 hour Quick Charger	Rechargeable 1.3 Ah Li Ion Battery with 1 hour Quick Charger
Voltage	12V DC	100-240V AC, 50/60 Hz.	19.2V Battery & AC charger (110V or 220V)	18.5V Battery & AC charger (110V or 220V)
Max. Discharge	18.4 LPM(4.86 GPM)	18.9 LPM(5 GPM)	28 LPM (7.4 GPM)	28 LPM (7.4 GPM)

INSTALLATION

1. Insert the Pump into the Drum through the Drum Hole.

2. Screw the Bung adaptor with the Drum hole.

   Note: Buttress thread adaptor can be used with 2.5" x 5mm thread IBC's.

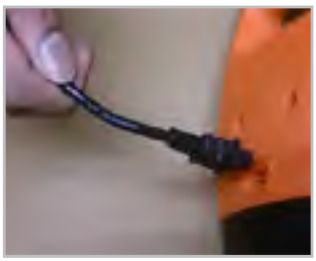
3. Clamp the hose with the nozzle using the Hose clamp.

4. Clamp the other end of the Hose with the outlet Hose barb on the pump outlet.

5. Place the Nozzle inside the Nozzle Holster provided on the side of the pump.

DC CONNECTION (ONLY IN DC VERSION)

1. Connect the plug provided with the DC battery cable to the socket present at the back of the pump body.



2. Connect the Crocodile Clips in red with the +ve terminal and the one in black with the –ve terminal of the battery.

3. Turn the toggle switch to 'ON' position to start the pump.

WARNING

The pump must not be used with 24V DC supply to avoid any damage or accidents

AC CONNECTION (ONLY IN AC VERSION)

1. Connect the AC power cord with the adaptor and then connect the AC power adaptor with the pump socket.

2. Plug the power cord into the AC supply socket and switch it 'ON'.

3. Turn the toggle switch to 'ON' position to start the pump.

   Note: The pump can be used with 110V or 220V AC supply.

BATTERY CONNECTION (ONLY IN BATTERY VERSION)

1. Connect the Battery holder plug with the pump socket and mount the Battery holder on to the pump by screwing the holder into the pump body. (Refer to Exploded View point 50 & 51)

2. Push a fully charged battery into the Battery holder.

   Note: Press the side buttons on the battery while removing it or else it will not come out.

3. Turn the toggle switch to 'ON' position to start the pump.

OPERATION

1. Pull out the Nozzle from the Nozzle Holster

2. Place the Nozzle into the receiving container to transfer the liquid.

3. Switch On the Toggle switch (Up) and pull the Nozzle Trigger.

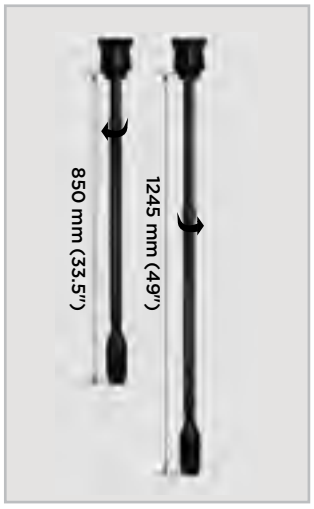
4. After Dispensing Switch Off the Toggle switch (Down) and lift the Nozzle upward allowing all the liquid in the line to flow back into the Drum.

5. Place the Nozzle back into the Holster to prevent any damage to the Hose or to the Nozzle.

HOW TO EXTEND TELESCOPIC SUCTION TUBE ?

1. Rotate the joint nut anti clockwise and then pull the strainer end of the suction tube away from the bung.

2. After extending the suction tube rotate the joint nut clockwise to fix the suction tube in the extended position.



HOW TO CHARGE THE PUMP BATTERY ?

1. Push the Battery inside the charger as shown in the picture

   Note: Press the side buttons on the battery while removing it or it will not come out.

2. Connect the charger to the power supply and switch it 'ON'

3. **For Li-Ion Battery**

a. At the time of charging both lights remain steady.

b. When battery is fully charged, only green light remain steady and red light turns off.

4. For Ni-Cd Battery

a. At the time of charging Green light remain steady with red light blinking.

b. When battery is fully charged, both lights remain steady.

WARNING

Ni-Cd battery must be fully discharged before it is recharged again.

HOW TO REPLACE THE FUSE ?

1. Remove the Hose Barb from the Outlet.

2. Unscrew all the bolts to Remove the Hose Barb from the Outlet.

3. Replace the older fuse with a new one.

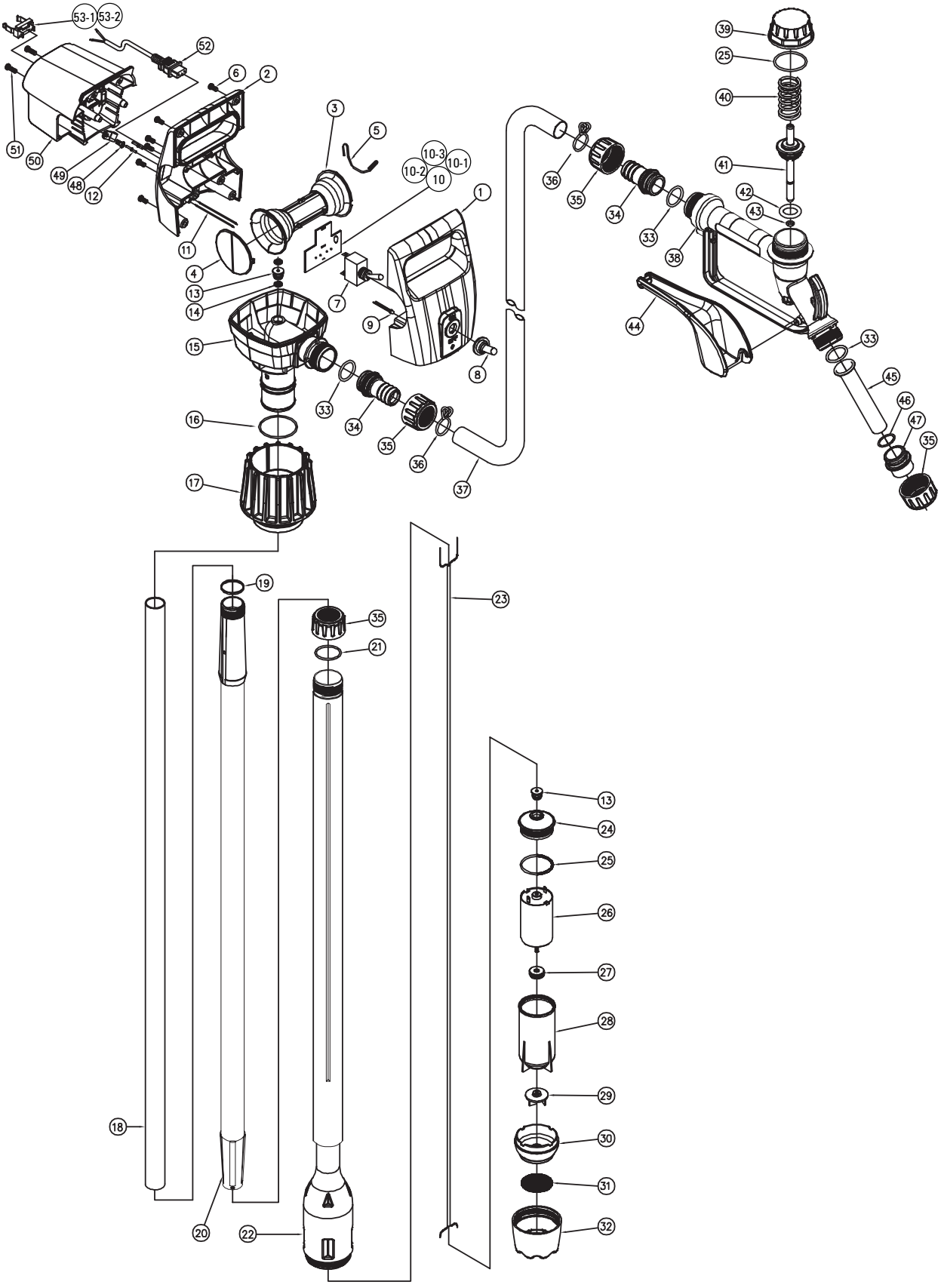
4. Upper body must be perfectly seated while assembling the pump again.

5. Make sure that the Nozzle holster is perfectly seated as shown in the picture.

6. Screw all the bolts to assemble the pump.

7. Screw back the Hose barb onto the outlet.

EXPLODED VIEW



PARTS LIST

REF NO.	PARTS DESCRIPTION	QTY.
1	Front Cover	1
2	Back Cover	1
3	Nozzle Holder	1
4	Holder Cover	1
5	Nozzle Hook	1
6	Screw	6
7	Toggle Switch	1
8	Waterproof Cap	1
9	LED Lamp	1
10	PCB Assembly	1
10-1	Resistor	1
10-2	Fuse Holder	2
10-3	Fuse	1
11	Connector Wire	2
12	Connector Pin	2
13	Motor Wire Packing	2
14	Wire Clamp	2
15	Body	1
16	O-ring (Body)	1
17	Drum Bung Adapter	1
18	Inner Pipe	1
19	Suction Pipe Packing	1
20	Suction Pipe (Upper)	1
21	O-ring (Pipe)	1
22	Suction Pipe (Lower)	1
23	Motor Wire	1
24	Motor Cover	1
25	O-ring (Motor Cover, Handle)	2
26	Motor	1

REF NO.	PARTS DESCRIPTION	QTY.
27	Motor Packing	1
28	Motor Case	1
29	Impeller	1
30	Impeller Casing	1
31	Filter	1
32	End Cap	1
33	O-ring (Hose Adapter, Spout)	3
34	Hose Adapter	1
35	Joint Nut	3
36	Hose Clamp	2
37	Discharge Hose	1
38	Handle	1
39	Nozzle Cap	1
40	Nozzle Spring	1
41	Nozzle Piston	1
42	O-ring (Piston L)	1
43	O-ring (Piston S)	1
44	Nozzle Lever	1
45	Spout (Stainless Steel)	1
46	O-ring (Stainless Nozzle)	1
47	Spout Adapter	1
48	Screw	1
49	Cable Clamp	1
50	Battery Adapter	1
51	Screw	2
52	Cable Connector	1
53-1	Terminal	1
53-2	Terminal Bracket	1

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Pump not creating suction	Strainer clogged	Clean the strainer
Pump not working	1. Wire damaged inside the pump. 2. Electricity supply problem 3. Fuse damaged 4. AC adaptor not working (only in AC version) 5. Battery not charged (only in Battery version) 6. Motor not working	1. Send the pump to the service centre. 2. Check the electricity supply. 3. Replace the Fuse. 4. Replace the AC adaptor. 5. Fully recharge the Battery. 6. Send the pump to the service centre
Fluid not coming out of the Nozzle	Nozzle or the Hose may be blocked	Clean or replace the Nozzle or the Hose.
Leakage in Hose	Hose Damaged	Cut the Hose from the next slot and use again.

Groz Engineering Tools (P) Ltd.
Groz Net Industries

Village Kherki Daula, National Highway-8,
Gurgaon-122001, Haryana, INDIA

Tel +91.124.282.7734/40, 2827777
Fax +91.124.2827980, 2827986
E-Mail info@groz-tools.com
Url www.groz-tools.com