

FUEL HANDLING

equipment



CAT 410





**total quality
& control**
5,00,000 sq. ft. plant
2,000 dedicated people



**multi spindle
automats**
high volume
production
of precision
turned parts



cnc
advanced cnc
turning & vertical
machine centers



**pressure
die casting**
plc controlled
semi-automatic
equipment



powder coating
robotically
armed &
conveyorised

Groz has always exceeded the expectations of tool manufacturers and users world over. Groz carefully makes each tool under stringent quality control processes that are achieved in a hi-tech manufacturing environment





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HEAVY DUTY ELECTRIC FUEL PUMPS

Product Features

- Heavy Duty Industrial Grade Fuel pumps designed for everyday use in Agricultural, Construction, Automotive & Industrial applications
- Rain & Weather proof for tough outdoor use
- Lightweight, yet strong non corroding Aluminum Die cast construction
- Geared pump design using precision sintered metal gears
- Geared construction makes the pump tolerant to contaminants in fuel; in addition to offering tremendous suction & minimal noise
- cUL listed Motor
- Duty Cycle: 30 Minutes On / 30 Minutes Off



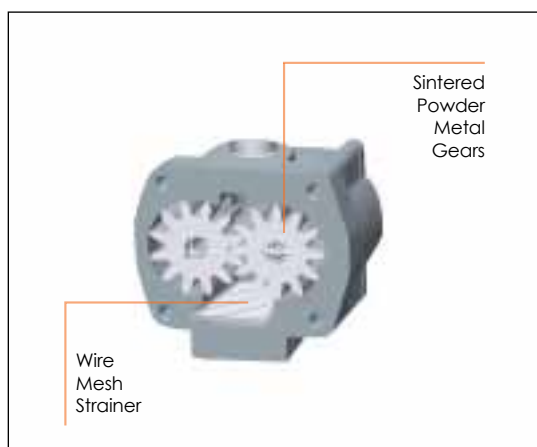
WETTED COMPONENTS

Aluminum, Steel, Cast Iron, Nylon, NBR, Zinc, Viton, Polypropylene, PVC

RECOMMENDED USE

Gasoline, Diesel, E15 Fuel, Kerosene, Bio Diesel (B20)

Pump Internals



Drum Mounting



Specifications

	FPM-12	FPM-24	FPM-115	FPM-220
Description	Heavy Duty 12V DC	Heavy Duty 24V DC	Heavy Duty 115V AC	Heavy Duty 220V AC
Flow Rate (at pump outlet)	Upto 15 GPM (57 LPM)*	Upto 15 GPM (57 LPM)*	Upto 13 GPM (49 LPM)	Upto 13 GPM (49 LPM)
Explosion Proof Motor	1/7 HP 12V DC	1/7 HP 24V DC	1/8 HP 115V AC , 60 Hz.	1/8 HP 220V AC , 50/60 Hz.
Amp	25 Amp	11 Amp	1.7 Amp	1 Amp
Internal bypass valve	Yes	Yes	Yes	Yes
Suction Pipe	Steel	Steel	Steel	Steel
Hose	3/4" x 12' Anti Static Hose	3/4" x 12' Anti Static Hose	3/4" x 12' Anti Static Hose	3/4" x 12' Anti Static Hose
Tank Adapter	2" Threaded	2" Threaded	2" Threaded	2" Threaded
Inlet	1" NPT	1" NPT	1" NPT	1" NPT
Outlet	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT
Dispensing Nozzle	3/4" Manual with Swivel	3/4" Manual with Swivel	3/4" Manual with Swivel	3/4" Manual with Swivel
Battery Cable (2 Wire)	15'	15'	NA	NA

Nozzle Hangar for safe storage of nozzle when not in use

Wire Mesh Strainer designed for easy cleaning without pump disassembly

Spin Collar for easy installation

Manual Fuel Control Nozzle with Built-in Swivel

ON/OFF Switch

Provision to Pad Lock

ZSA/HOS/FPM/12
Also available as spare:
12' x 3/4" Anti Static Rubber Hose

2 pc threaded suction tube 34" (864 mm) long

Ordering Information

CAT NR.	ORDERING #	DESCRIPTION
* FPM-12	44040	12 V DC
FPM-24	44041	24 V DC
FPM-115	44042	115V AC
FPM-220	44043	220V AC

* Best Seller

FLOW RATE 

Upto 15 GPM (57 LPM)*

*Measured at pump outlet with Vehicle Engine switched on

HEAVY DUTY HIGH FLOW ELECTRIC FUEL PUMP

FPM-HF

Product Features

- Heavy Duty Industrial Grade High Flow Fuel pump designed for heavy duty usage in Agricultural, Construction, Automotive & Industrial applications
- Rain & Weather proof for tough outdoor use
- Lightweight yet strong, non corroding Aluminum Die cast construction
- Geared pump design using precision sintered metal gears
- Geared construction makes the pump tolerant to contaminants in fuel; in addition to offering tremendous suction & minimal noise
- cUL listed Motor
- Duty Cycle: 30 Minutes On / 30 Minutes Off

WETTED COMPONENTS

Aluminum, Steel, Cast Iron, Nylon, NBR, Zinc, Viton, Polypropylene, PVC

RECOMMENDED USE

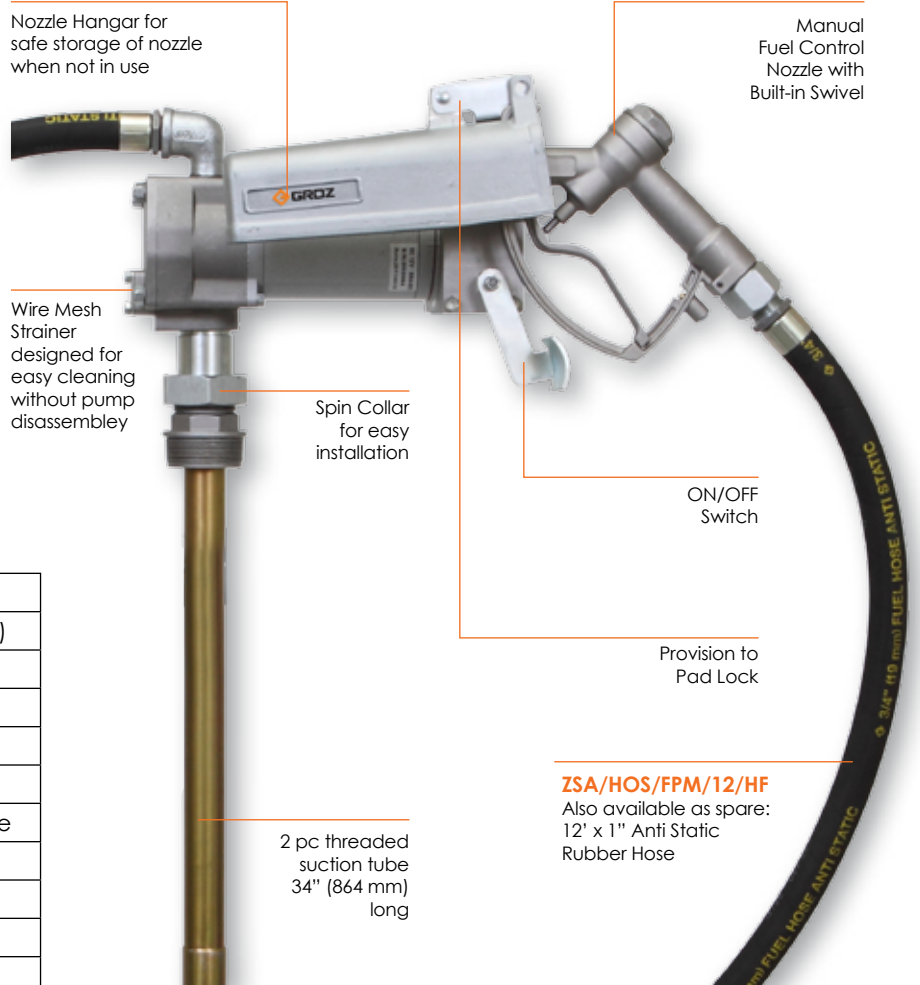
Gasoline, Diesel, E15 Fuel, Kerosene, Bio Diesel (B20)

Specifications

Description	Heavy Duty 12V DC
Flow Rate*	Upto 20 GPM (75 LPM)
Explosion Proof Motor	1/7 HP 12V DC
Amp draw from Battery	30 Amp
Internal bypass valve	Yes
Suction Pipe	Steel
Hose	1" x 12' Anti Static Hose
Tank Adapter	2" Threaded
Inlet	1" NPT
Outlet	1" NPT
Dispensing Nozzle	1" Manual with Swivel
Battery Cable (2 Wire)	15'

Ordering Information

CAT NR.	ORDERING #	DESCRIPTION
FPM/12/HF	44045	12V DC



FLOW RATE

Upto 20 GPM (75 LPM)*

*measured at pump outlet with Vehicle Engine Switched On

Product Features

- Diesel Transfer Pump, ideal for use on stationary tanks, fixed fuel transferring systems & dispensers & other similar industrial applications
- Lightweight, yet strong non corroding Aluminium die cast construction
- Self priming vane pump
- **Continuous Duty Cycle** with thermal overload protection

WETTED COMPONENTS

Aluminium, Nitrile Rubber, Steel, Nylon

RECOMMENDED USE

Diesel & Kerosene



Specifications

Description	220V AC	115V AC
Flow Rate (at pump outlet)	Upto 15 GPM (56 LPM)	Upto 15 GPM (56 LPM)
Motor	½ HP 220V AC, 50/60 Hz	½ HP 115V AC, 60 Hz
RPM	2800	3400
Internal Bypass Valve	Yes	Yes
Inlet / Outlet	1" BSP (F) / 1" NPT (F)	1" NPT (F)
Power Cable Length	2 Metre	2 Metre
Duty Cycle	Continuous Duty	Continuous Duty

Ordering Information

CAT NR.	ORDERING #	DESCRIPTION	INLET / OUTLET
CDP/220/EU	45510	220V AC, 50/60 Hz, Power Cord with European Socket	1" BSP(F)
CDP/220/UK	45511	220V AC, 50/60 Hz, Power Cord with British Socket	1" BSP(F)
CDP/220/AU	45512	220V AC, 50/60 Hz, Power Cord with Australian Socket	1" BSP(F)
CDP/220/US	45513	220V AC, 50/60 Hz, Power Cord with US Socket	1" NPT(F)
CDP/115/US	45514	115V AC, 60 Hz, Power Cord with US Socket	1" NPT(F)

ELECTRIC DIESEL PUMPS

Product Features

- Portable Diesel transfer pumps designed for everyday use in Agricultural, Construction, Automotive & Industrial applications
- Lightweight, yet strong non corroding Aluminum Die Cast Construction
- Self priming Vane pump design
- Duty Cycle: 30 Minutes On / 30 Minutes Off
- **Available in a choice of**
 - a. DC Version: 12V or 24 V
 - b. AC Version: 115V or 220 V



Specifications

	12V DC	24V DC	115VAC	220V AC
Flow Rate (at pump outlet)	Upto 12 GPM (46 LPM)*	Upto 12 GPM (46 LPM)*	Upto 12 GPM (46 LPM)	Upto 12 GPM (46 LPM)
Motor	1/4 HP 12V DC	1/4 HP 24V DC	1/4 HP 115V AC, 60 Hz	1/4 HP 220V AC, 50/60 Hz
RPM	2600	2600	2600	2600
Amp draw from Battery	18 Amp	10 Amp	5 Amp	3 Amp
Internal bypass valve	Yes	Yes	Yes	Yes
Outlet	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT
Battery Cable	2 metre	2 metre	NA	NA
Duty Cycle	30 mins. On / 30 mins Off	30 mins. On / 30 mins Off	30 mins. On / 30 mins Off	30 mins. On / 30 mins Off

*measured at pump outlet with Vehicle Engine Switched On

Ordering Information

CAT NR.	ORD. #	CAT NR.	ORD. #	CAT NR.	ORD. #	CAT NR.	ORD. #	Description
12V DC PUMPS		24V DC PUMPS		115V AC PUMPS		220V AC PUMPS		
EDP/12	45530	EDP/24	45535	◆ EDP/115	45541	◆ EDP/220	45546	Pump Only (Base Mount)
* EDP/12M/ST	45531	EDP/24M/ST	45536	◆ EDP/115M/ST	45542	◆ EDP/220M/ST	45547	Pump Kit (Base Mount) with Manual Nozzle
EDP/12A/ST	45532	EDP/24A/ST	45537	◆ EDP/115A/ST	45543	◆ EDP/220A/ST	45548	Pump Kit (Base Mount) with Automatic Nozzle
EDP/12MD/ST	45533	EDP/24MD/ST	45538	◆ EDP/115MD/ST	45544	◆ EDP/220MD/ST	45549	Pump Kit (Drum Mount) with Manual Nozzle
EDP/12AD/ST	45534	EDP/24AD/ST	45539	◆ EDP/115AD/ST	45545	◆ EDP/220AD/ST	45529	Pump Kit (Drum Mount) with Automatic Nozzle

BASE TO DRUM MOUNT CONVERSION KIT

DMK/EDP	45540	Accessories kit to convert Base to Drum Mount version
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WETTED COMPONENTS

Steel, Aluminum, Zinc, Cast Iron*, Nylon, Nitrile Rubber & PVC Nitrile (*Only for Drum Mount version)

RECOMMENDED USE

Diesel & Kerosene



Variants

BASE PLATE STYLE

Includes pump with base plate & lift handle. Pump inlet & outlet threaded 3/4" (F). Supplied complete with 4m x 3/4" ID hose that can be cut into two parts for use as a suction & delivery hose. Includes strainer & 2m long battery cable with fuse & clamps. Aluminum nozzle for controlling fuel delivery. Hardware supplied includes 3 hose barbs (3/4") & 4 hose clamps



DRUM MOUNT STYLE

Includes pump with 2" bung, elbow fitting, 2 pc threaded steel suction tube & nozzle holder. Pump Inlet threaded 1" (F) & outlet threaded 3/4" (F). Supplied complete with 3m x 3/4" ID delivery hose. Includes 2m long battery cable with fuse & clamps. Aluminum nozzle for controlling fuel delivery. Hardware supplied includes 2 hose barbs (3/4") & 2 hose clamps

EDP/12MD/ST



	Base Plate	Lift Handle	Drum Bung	Nozzle Type	Nozzle Holder	Discharge Hose	Suction Tube	Nylon Suction Strainer
	Yes	Yes	No	No	No	No	No	No
	Yes	Yes	No	Manual	No	Combo Hose 4m long		Yes
	Yes	Yes	No	Automatic	No	Combo Hose 4m long		Yes
	No	No	Yes	Manual	Yes	Hose 3 m long	2 pc Steel	No
	No	No	Yes	Automatic	Yes	Hose 3 m long	2 pc Steel	No
			Yes		Yes		2 pc Steel	

DELIVERS 

Upto 12 GPM (46 LPM)

! WARNING

DO NOT USE Fluids with a flash point below 100°F (38°C), such as Gasoline & Alcohol

Sparking could result in explosion causing fatal injury

-  Best Seller
-  New

ELECTRIC FUEL & OIL PUMPS

Product Features

- Vertical mount Fuel & Oil pump designed for light Industrial, Automotive, Heating & Marine applications
- For use with non flammable media
- Pumps have built in Bung Adapter to fit directly onto drums with a 2" threaded opening
- Manufactured from chemically inert materials; these pumps work with a wide variety of low viscosity media. Pump motor has double insulation which makes them safe for use with water & emulsions
- Built-In Anti Siphoning system ensures that media does not flow out by Siphon action incase of accidental damage to the delivery hose or dispensing nozzle
- Duty Cycle: Continuous Duty



WETTED COMPONENTS

POM, Polypropylene, Stainless Steel, Nitrile Rubber, Viton & PTFE

RECOMMENDED USE

Diesel, Kerosene, Mineral & Synthetic Oils, Heating Oils, Antifreeze, Water, Emulsions etc. Pump can be used with Fluids with a maximum viscosity of 114 cst

FLOW RATE



Upto 10.5 GPM (40 LPM)*

*measured at pump outlet tested using Diesel

TEMPERATURE



Working Temperature Range
-10°C to +40°C (14°F to 104°F)

Drum Mounting





Specifications

	EOP/AC/110	EOP/AC/230	EOP/DC/12	EOP/DC/24
Description	110V AC, 60 Hz	230V AC, 50 Hz	12V DC	24V DC
Flow rate	Upto 40 LPM (10.5 GPM)	Upto 40 LPM (10.5 GPM)	Upto 35 LPM (9.25 GPM)	Upto 35 LPM (9.25 GPM)
Motor	0.43 HP Centrifugal Motor	0.43 HP Centrifugal Motor	0.43 HP Centrifugal Motor	0.43 HP Centrifugal Motor
Amp	2.9 Amp	1 Amp	9.2 Amp	5.6 Amp
Absorbed Power	320 W	224 W	110 W	135 W
Internal Bypass Valve	No	No	No	No
Discharge Head	1 Meter	1 Meter	1 Meter	1 Meter
Suction Hose	3/4" ID X 1m Long	3/4" ID X 1m Long	3/4" ID X 1m Long	3/4" ID X 1m Long
Delivery Hose	3/4" ID X 3m Long	3/4" ID X 3m Long	3/4" ID X 3m Long	3/4" ID X 3m Long
Tank Adaptor	2" & M64 X 4	2" & M64 X 4	2" & M64 X 4	2" & M64 X 4
Inlet/Outlet	3/4" Hose Barb	3/4" Hose Barb	3/4" Hose Barb	3/4" Hose Barb
Dispensing Nozzle	Manual Polypropylene nozzle with 3/4" Hose Barb	Manual Polypropylene nozzle with 3/4" Hose Barb	Manual Polypropylene nozzle with 3/4" Hose Barb	Manual Polypropylene nozzle with 3/4" Hose Barb
Battery/Power Cable	2m long with plug	2m long with plug	3m long with battery clamps	3m long with battery clamps
Water/ Dust Protection	IPX-4 (protection against splashing water)	IPX-4 (protection against splashing water)	IPX-4 (protection against splashing water)	IPX-4 (protection against splashing water)
Noise Level	70 db	70 db	70 db	70 db

Ordering Information

CAT NR.	ORDERING #	DESCRIPTION
EOP/AC/110	45522	110V AC
EOP/AC/230	45520	230V AC
◆ EOP/DC/12	45521	12V DC
◆ EOP/DC/24	45523	24V DC

◆ New

! WARNING

DO NOT USE
With fluids with a flash point below 100°F (38°C), such as Gasoline & Alcohol

Sparking could result in explosion causing fatal injury

ELECTRIC OIL PUMPS

NEW!

Product Features

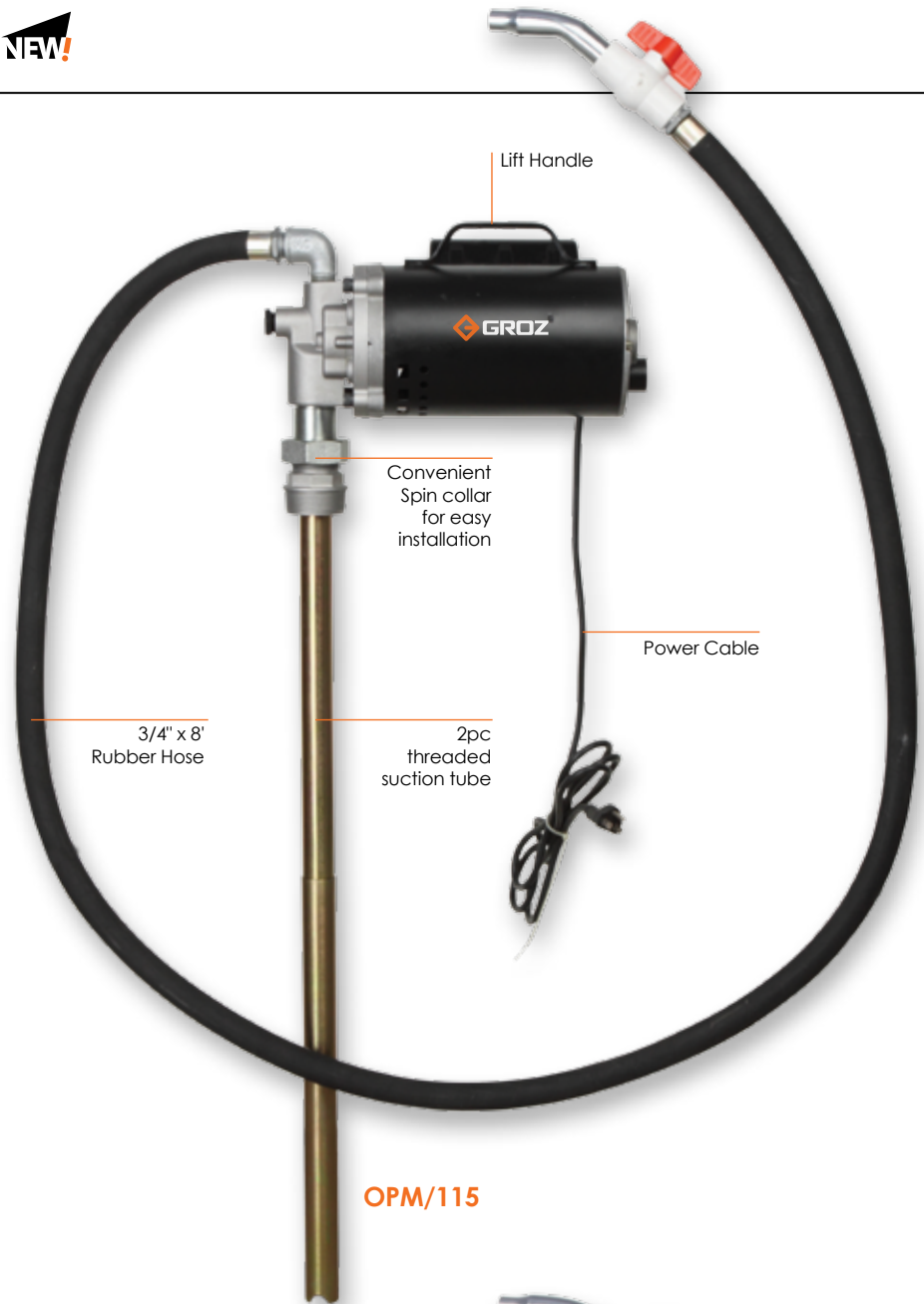
- Heavy duty Oil Pumps designed specifically to transfer bulk oils, hydraulic oils, antifreeze or antifreeze mixes
- Non-corroding Aluminium die cast pump body
- A high horsepower to flow ratio assures adequate power to pump viscous fluids at low temperatures
- Sintered powder metal gears
- Self-priming, positive displacement design
- Pump has an internal bypass valve to bypass flow if the discharge pressure exceeds bypass valve setting
- Built-in 2" bung adaptor for mounting directly onto drums and tanks
- Can be used to transfer used oil also. Just fitting a screen onto the suction tube makes it effective for transferring used oil
- **Available in three versions:**
 - a. AC Regular Flow
 - b. AC High Flow
 - c. 12V DC

WETTED COMPONENTS

Aluminium, Steel, Cast Iron, Nylon, NBR, Zinc, Polypropylene, PVC

RECOMMENDED USE

Oils, Synthetic Oils, Antifreeze, Used Oils, Hydraulic Fluids, Cutting Oils, Oil based herbicides, Non-flammable oil based solvents, Liquid soap etc.





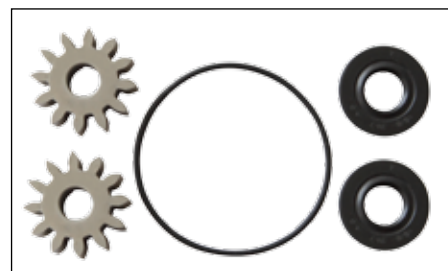
Specifications

	AC REGULAR FLOW		AC HIGH FLOW		12 V DC
	OPM/115	OPM/220	OPM/115/HF	OPM/220/HF	OPM/12
Description	Heavy Duty 115V AC	Heavy Duty 220V AC	High Flow Heavy Duty 115V AC	High Flow Heavy Duty 220V AC	Heavy Duty 12 V DC
Flow	Up to 4.4 GPM (16.6 LPM)	3.70 to 4.4 GPM (14 to 16.6 LPM)	Up to 8 GPM (30 LPM)	Up to 6.5 GPM (25 LPM)	Up to 3.5 GPM (11.5 LPM)
Motor	½ HP 115V AC, 60 Hz	½ HP 220V AC, 50/60 Hz	½ HP 115V AC, 60 Hz	½ HP 220V AC, 50/60 Hz	1/2 HP 12V DC
Amp	9 Amp	6 Amp	9 Amp	6 Amp	39 Amp
RPM	1720	1440/1720	3400	2800 / 3360	1440
Mechanism	Gear Pump	Gear Pump	Gear Pump	Gear Pump	Gear Pump
Suction pipe	34" long	34" long	34" long	34" long	34" long
Hose	¾" X 8'	¾" X 8'	¾" X 8'	¾" X 8'	¾" X 8'
Bung Adaptor	2" Threaded	2" Threaded	2" Threaded	2" Threaded	2" Threaded
Inlet	1" NPT	1" NPT	1" NPT	1" NPT	1" NPT
Outlet	¾" NPT	¾" NPT	¾" NPT	¾" NPT	¾" NPT
Dispensing Nozzle	Ball Valve	Ball Valve	Ball Valve	Ball Valve	Ball Valve
Power Cable Length	8'	8'	8'	8'	Not Included
Air Cooled	Yes	Yes	Yes	Yes	Yes
Max. Viscosity of Oil	SAE 90	SAE 90	SAE 90	SAE 90	SAE 90
Max. Working Pressure	65 PSI (4.5 BAR)	65 PSI (4.5 BAR)	65 PSI (4.5 BAR)	65 PSI (4.5 BAR)	65 PSI (4.5 BAR)
Thermal Protection	Yes	Yes	Yes	Yes	No

Ordering Information

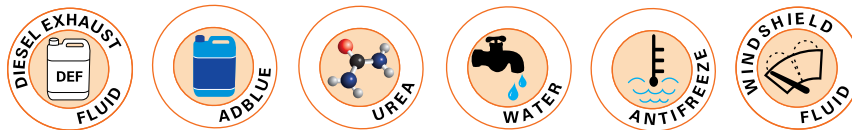
CAT NR.	ORDERING #	POWER SUPPLY
OPM/115	45550	115V AC
OPM/220	45551	220V AC
OPM/12	45560	12V DC
OPM/115/HF	45555	115V AC
OPM/220/HF	45556	220V AC
KIT/OPM	45565	Repair Kit

Repair Kit: KIT/OPM



Product Features

- Diaphragm Transfer pump designed for dispensing DEF
- Lightweight non corroding Polypropylene Body, rain & weather proof
- Self priming pump design
- Duty Cycle: 30 mins On / 30 Mins Off
- Built-In Thermal Overload Protection
- Pump Inlet & Outlet fitted with 3/4" (19 mm) Hose barbs
- **Available in a choice of**
 - a. 115V AC
 - b. 220V AC
 - c. 12V DC



WETTED COMPONENTS

Polypropylene, EPDM, Viton

RECOMMENDED USE

DEF, Adblue, Urea, Water, Antifreeze, Detergents etc.

DO NOT USE

Diesel, Kerosene, Gasoline, Oils etc.



Specifications

	220V AC	115V AC	12V DC
Input Voltage	220V AC , 50 Hz.	115V AC , 60 Hz.	12V DC
Motor HP	1/2 HP	1/2 HP	1/4 HP
RPM	2850	2850	2900
Amp	1.5 Amp	3.0 Amp	16 Amp
Inlet / Outlet	3/4" Hose Barb	3/4" Hose Barb	3/4" Hose Barb
Power Cord / Cable	2m long with Socket	2m long with socket	2m long with alligator clamps
Water/ Dust Protection	IP55	IP55	IP55
Duty Cycle	30 mins. ON / 30 mins. OFF	30 mins. ON / 30 mins. OFF	30 mins. ON / 30 mins. OFF

Ordering Information

CAT NR.	ORDERING #	DESCRIPTION
DEFP/220	47502	220V AC , 50 Hz.
DEFP/110	47500	115V AC , 60 Hz.
DEFP/12	47501	12V DC
RK/DEFP	47510	Repair Kit

FLOW RATE

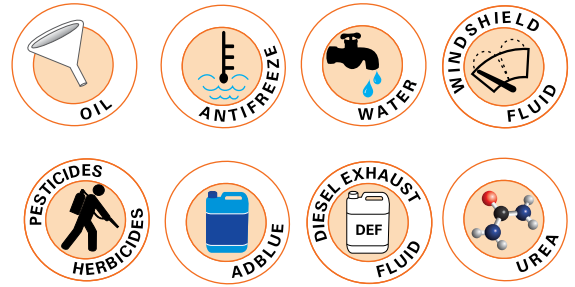
Upto 9 GPM (34 LPM)

TEMPERATURE

-10°C to 50°C (14°F to 122°F)

Product Features

- Air Operated Transfer Pump for dispensing DEF
- Choice of materials makes it compatible with many more fluids, compared to other Air pumps which primarily pump Oil
- Built-In 2" Bung Adaptor allows the pump to be fixed on Drums with 2" opening. Pump position can be adjusted using the Lock Nut incorporated in the pump body
- Air Supply is provided via a Ball Valve connected to an Air Regulator which limits max. air pressure to 100 PSI (7 BAR)
- Supplied complete with Suction Tube with check valve for use with 15 - 55 gl (50 – 205 litre) drums
- Available as pump only or pump complete with 2m hose and manual dispensing nozzle.



WETTED COMPONENTS

Polypropylene, Viton, Stainless Steel, Nylon*, PVC*
 *only pump with hose & nozzle

FOR USE WITH

Water-based media, Detergents, Soaps, Antifreeze, Windshield Washer, Hydraulic Oils, Lubricants, Herbicides & Pesticides, Adblue, Urea, DEF etc. Pump should only be used with Non-flammable liquids

DO NOT USE WITH

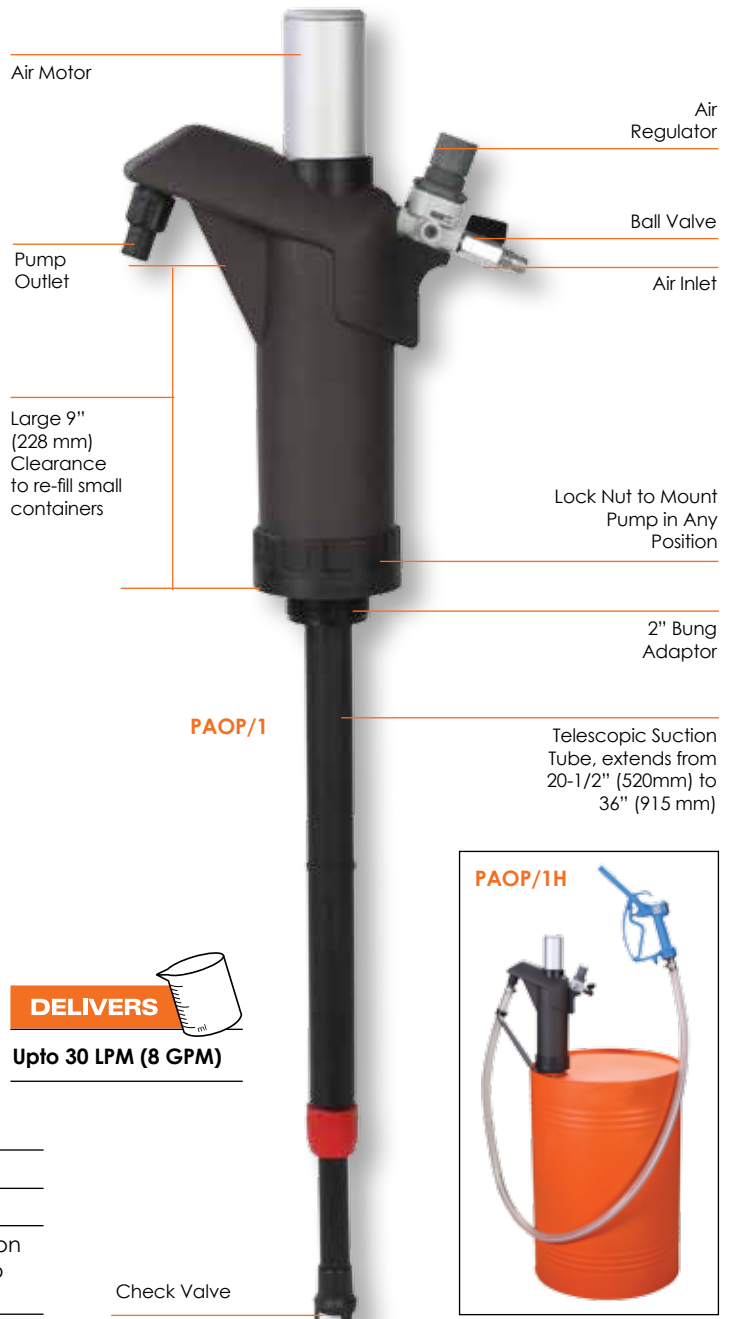
Any media not compatible with materials used in the pump construction. Pump must never be used for Fuel Transfer or with Thinners, Solvents etc.

Specifications

Working Pressure	2 – 10 BAR (30 – 100 PSI)
Max. Air Inlet Pressure	7 BAR (100 PSI)
Max. Outlet Pressure	3 BAR (45 PSI)
Air Consumption	125 LPM (4.40 CFM)
Max. Pump Discharge	30 LPM (8 GPM) at Air Pressure of 7 BAR (100 PSI)
Air Inlet Connection	1/4" (F)
Pump Outlet	3/4" (19.5 mm) dia.
Pump Inlet	1" (F)
Noise Level	78 db
Max. Temperature of media being pumped	60°C (140°F)
Max. Viscosity of media being pumped	SAE 50 / ISO 220

Ordering Information

CAT. NR.	ORDERING #	DESCRIPTION
PAOP/1	45315	Pump Only
PAOP/1H	45316	Pump with 2m PVC Hose (3/4" ID), Nylon Body Dispensing nozzle, 2 Hose Clamp and Safety Steel Bracket



INDUSTRIAL ROTARY FUEL PUMPS

Product Features

- Industry Standard for Rotary pumps, these are by far the heaviest duty pumps, ideal for tough outdoor use in extreme weather conditions
- Deliver media with a head / lift upto 20'
- Solid cast iron construction, fully CNC machined to close tolerances
- Pump Handle rotates a high quality sintered powder metal 3 vane rotor inside a highly finished pumping chamber
- Graphite Vanes are self lubricating & non wearing
- High quality graphite seal allows the pump to be used with a wide variety of fluids including Diesel with upto 15% Ethanol blend
- Self Priming operation with discharge up to 38 LPM (10 GPM)
- Supplied complete with 2" Bung, Telescopic Suction Tube with Strainer for use with 15 gallons (50 litre) – 55 gallons (205 litre) barrels
- Also available - Pump with Mechanical Fuel Meter in both litre and gallon versions

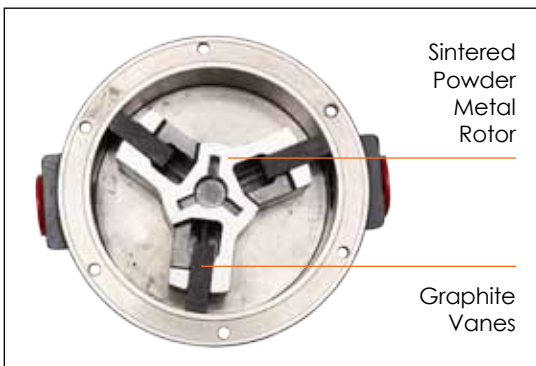
WETTED COMPONENTS

Cast Iron, Steel, Graphite, Paper, Polypropylene

DO NOT USE

With Water Based Media

Pump Chamber With 3 Vane Construction




RBP/3V/H/F

FM Approved Pump with 8' Anti Static Hose, Nozzle, Nozzle Holder, Flame Arrestor & Vacuum Breaker. For use with Class I & Class II flammable & combustible liquids such as Gasoline, Naphtha, Alcohols & other solvents compatible with the pump components. Ideal for quickly refueling gasoline powered vehicles or equipment

Variants

RBP/3V
 Pump with Steel Discharge Spout for use with Petroleum based fluids, Diesel & Kerosene. Ideal for use with Barrels, drums & tanks for transferring media into smaller containers



RBP/3V/F
 FM Approved Pump with Drip pan & Flame Arrestor. For use with Class I & Class II flammable & combustible liquids such as Gasoline, Naphtha, Alcohols & other solvents compatible with the pump components



RBP/3V/H
 Pump with 8' Antistatic Hose, Nozzle & Nozzle Holder for use with Petroleum base fluids, Diesel & Kerosene. Ideal for use with Barrels, Drums & tanks for quickly refueling Diesel powered vehicles or equipment



RBP/3V/H/MTG
 Metered pump with 8' Antistatic Hose, Nozzle & Nozzle Holder for use with Petroleum based fluids, Diesel & Kerosene. Ideal for use with Barrels, Drums & Tanks for refueling Diesel powered vehicles or equipment



Ordering Information

CAT. NR.	ORDERING #	DESCRIPTION
* RBP/3V	44080	Steel Spout
* RBP/3V/H	44081	8' Anti-Static Hose, Non-Sparking Aluminum Nozzle & Nozzle Holder
RBP/3V/H/MT	44085	8' Anti-Static Hose, Non-Sparking Aluminum Nozzle, Nozzle Holder & Mechanical Fuel Meter (Litres)
RBP/3V/H/MTG	44087	8' Anti-Static Hose, Non-Sparking Aluminum Nozzle, Nozzle Holder & Mechanical Fuel Meter (Gallons)
FM Approved Pumps		
RBP/3V/H/F	44082	8' Anti-Static Hose, Non-Sparking Aluminum Nozzle & Nozzle Holder, Vacuum Breaker & Flame Arrestor
RBP/3V/F	44084	Steel Discharge Spout, Drip Pan with Flame Arrestor
DP/RBP/3V	44083	Replacement Drip Pan only
Service Parts		
KIT/RBP/3V	44086	Repair Kit
SA/HOS/RBP/3V	44338	8' x 3/4" Replacement Hose

* Best Seller

KIT/RBP/3V
 Includes pump head gasket, graphite vanes (3), vane springs (3), shaft nut, packing & packing nut



DELIVERS 
 Upto 38 LPM (10 GPM)

Product Features

- Geared Rotary barrel pump with 3 times discharge per rotation. For every complete handle turn, the rotor turns 3 times
- Ideal for use where volume fuel dispensing is needed, such as construction sites, workshop, aviation, farms / ranches, boat etc.
- Die Cast Aluminum construction with sintered gear driven die cast zinc rotor & vanes
- Discharge through 1.8 m of delivery hose with metal nozzle
- Complete with a 3 pc threaded suction tube for use on 15 gallons (50 litre) – 55 gallons (205 litre) barrels

WETTED COMPONENTS

Aluminum, Zinc, Steel, NBR & PVC Nitrile

RECOMMENDED USE

Gasoline, Diesel Fuel & Kerosene

DO NOT USE

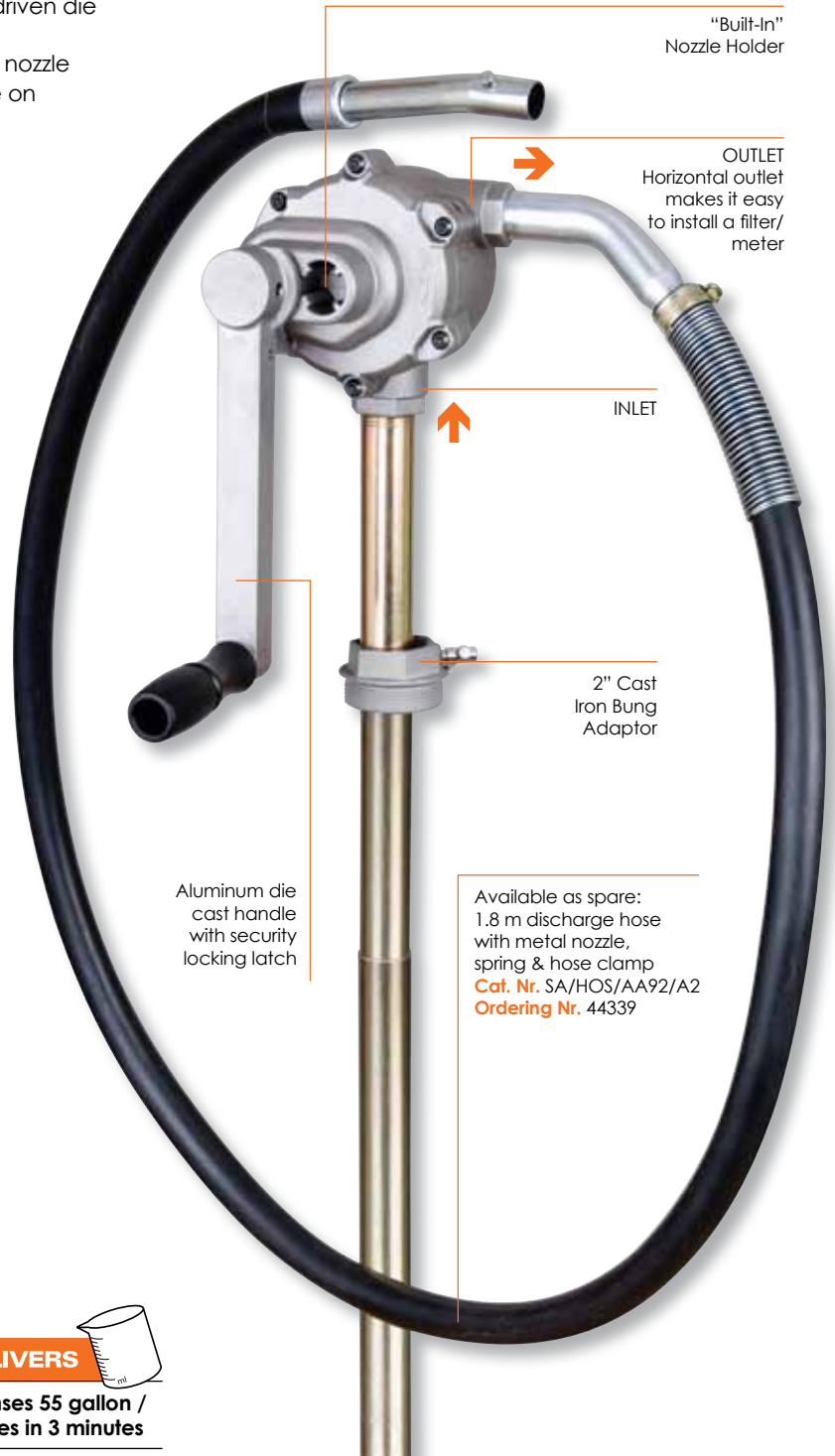
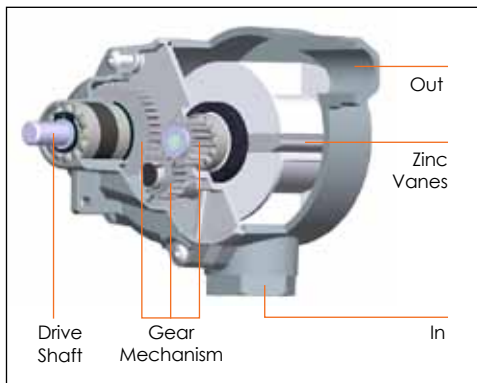
With Corrosive liquids, solvents, acids, alkalis etc.

! WARNING

Note that fuels containing Ethanol will cause more frequent replacement of rubber parts

Never operate the pump near fire or source of spark. Some media may be explosive & dangerous to pump

Pump Internals



Ordering Information

CAT. NR.	ORDERING #
RB/3H	44198

DELIVERS



Dispenses 55 gallon / 205 litres in 3 minutes

Product Features

- Rotary barrel pump with Aluminum Die Cast pump body, heavy duty zinc die cast rotor & vanes
- Ideal for use in Industrial & Automotive applications
- Includes a 2" Cast Iron bung adaptor & die cast aluminum handle with security locking latch
- Complete with a 3 pc threaded suction tube for use on 15 gallons (50 litre) – 55 gallons (205 litre) barrels



WETTED COMPONENTS

Aluminum, Zinc, Steel, NBR/Viton & PVC nitrile*

*only for RB/1H

RECOMMENDED USE

Gasoline, Diesel fuel, Kerosene, Antifreeze* & Lubricating oils upto SAE 60

*Only pumps with Viton Seal

DO NOT USE

With Corrosive liquids, Solvents, Acids, Alkalis etc.



Variants



RB/1
Pump complete with steel discharge spout

1.8 m PVC nitrile delivery hose with metal nozzle, spring and hose clamp

Also available as spare:
Cat. Nr. SA/HOS/AA92/A2
Ordering Nr. 44339

! WARNING

Fuels containing Ethanol will cause more frequent replacement of rubber parts

Never operate the pump near fire or source of spark. Some media may be explosive & dangerous to pump

Ordering Information

CAT. NR.	ORDERING #	SEALS	DISCHARGE SPOUT
RB/1	44030	NBR	Steel
◆ RB/1V	44032	VITON	Steel
RB/1H	44031	NBR	1.8 m hose with nozzle, spring & hose clamp

◆ New



4 litres (1.05 gal.) / 20 rotations

ROTARY BARREL PUMPS

GNB-20

GNB-25

Product Features

- Most popularly used pump worldwide. The Groz version of the Rotary Pump is superior to any other with features such as Dual Directional Operation which allows the pump to both empty, as well as refill containers
- Extremely Heavy Duty & rugged weighing 6.6 kgs (14.5 lbs)
- Pump body is sturdy cast iron with precisely machined cast iron vanes for better draw & smoother delivery
- Fits 15 gallons (50 litre) to 55 gallons (205 litre) barrels
- Comes complete with suction tube, 2" cast iron bung nut & discharge spout

WETTED COMPONENTS

Steel, Cast Iron, NBR/Viton

RECOMMENDED USE

For dispensing Diesel, Kerosene, Heating Oils, Motor Oils, Lubricating Oils (upto SAE 90), and other non-corrosive media

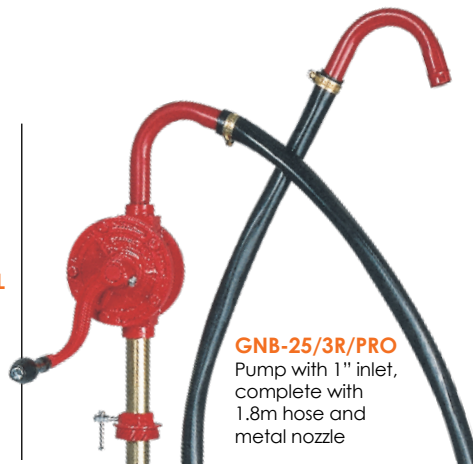
DO NOT USE

With water based media, Antifreeze, Solvents, Acids, and Gasoline etc.

Variants



GNB-20T/SPL
Pump inlet threaded 3/4" designed for use with high viscosity media



GNB-25/3R/PRO
Pump with 1" inlet, complete with 1.8m hose and metal nozzle

Dual Directional Operation:
Pumps in either direction by a few reverse turns of the handle



GNB-25/3R/SPL
Pump inlet threaded 1" designed for volume discharge of low to medium viscosity media



Rubber boot keeps rain water and contaminants away. Available as spare:

Cat. Nr. R/GNB/DN/01
Ordering Nr. 44092

Ordering Information

CAT. NR.	ORDERING #	PUMP INLET	SEALS	DISCHARGE SPOUT	SUCTION TUBE
GNB-20T/SPL	44000	3/4"	NBR	Steel	Telescopic
* GNB-25T/SPL	44050	1"	NBR	Steel	Telescopic
* GNB-25/3R/SPL	44052	1"	NBR	Steel	3 pc. Rigid
GNB-25V/3R/SPL	44064	1"	Viton	Steel	3pc. Rigid
GNB-25/3R/PRO	44058	1"	NBR	With 1.8 m hose & metal nozzle	3 pc. Rigid
GNB-25T/PRO	44059	1"	NBR	With 1.8 m hose & metal nozzle	Telescopic

* Best Seller

DELIVERS



Per 20 turns for Diesel Fuel:
GNB-20: 2.85 litre (0.75 gal.)
GNB-25: 5 litre (1.30 gal.)



USEFUL TIPS!

When using with low viscosity media like Diesel, Kerosene etc., pump should be primed by adding 30 ml of media being pumped or any oil into the pump outlet

DOUBLE DIAPHRAGM FUEL TRANSFER PUMP

DPP-1

Product Features

- Heavy Duty Fuel Transfer pump with discharge up to 1 gallon per 5 strokes (800 ml / stroke)
- Ideal for use where compressed air / power is not easily available such as farms / ranches, construction sites, boat etc.
- Stainless Steel Piston & fuel resistant hi-nitrile rubber diaphragm
- Includes a 2" die cast bung adaptor & extra heavy duty steel handle with security locking latch
- Pump inlet fitted with easy to clean wire mesh screen
- Complete with telescopic suction tube with non-return valve
- For use with 15 gal. (50 litre) - 55 gal. (205 litre) drums

WETTED COMPONENTS

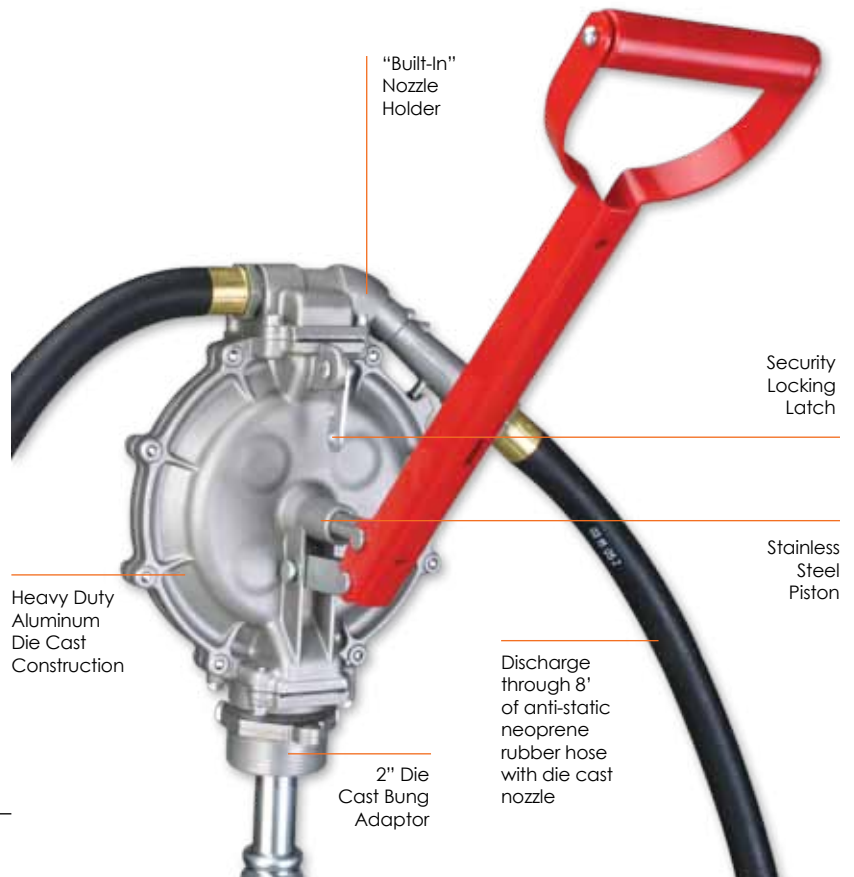
Aluminum, Steel, Stainless Steel, Poly Acetal & NBR

RECOMMENDED USE

Gasoline, Diesel fuel, Fuel Oil, Motor Oil & other light petroleum products

DO NOT USE

With Corrosive liquids, solvents, acids, alkalis etc.



! WARNING

- Note that Fuels containing Ethanol will cause more frequent replacement of rubber parts
- **Do not use with Fuels with Ethanol content greater than 10%**
- Never operate the pump near fire or source of spark. Some media may be explosive & dangerous to pump
- Pump is designed primarily for use with low viscosity media. Pumping heavy fluids may cause undue stress resulting in fracture

DELIVERS

1 gallon in 5 strokes
(800 ml per stroke)

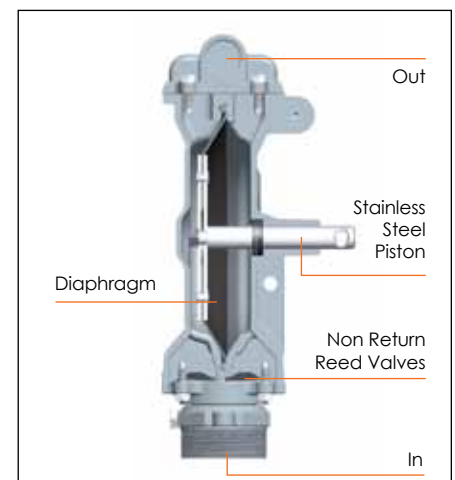


Ordering Information

CAT. NR.	ORDERING #	DESCRIPTION
DPP/1	44195	Complete Pump Assembly
Service Parts		
SA/HOS/RBP/3V	44338	8' x 3/4" Replacement Hose
GKT/DPP/1	44194	Non Return Reed Valve Kit

Note: Pump has a vent/air hole built-in which will drain back any excess media into the drum

PUMP INTERNALS



LEVER ACTION BARREL PUMPS

LBP-04 LBP-06 LBP-96

Product Features

- Most popular pump design, engineered for professional use
- Premium powder coated steel pump body with ribbed section aluminum die cast pump head for maximum strength
- Built-in 1.1/2" & 2" bung for use on drums with either openings
- Plated steel lever handle with rubber grip for convenience
- Wear resistant Brass piston rings fitted onto zinc die cast piston
- Comes complete with curved metal spout & telescopic suction tube for use on 15 gallon (50 litres) – 55 gallons (205 litre) barrels

WETTED COMPONENTS

Steel, Aluminum, Zinc, Brass, NBR & Viton*
*not on LBP-04

Variants

LBP-06

Antifreeze Barrel pump for use with Antifreeze, solvents, thinners, automotive additives, industrial chemicals, oil based fluids & other non corrosive liquids. Non return seal is Viton rubber. Pump is not suited for use with water based fluids, corrosive media, gasoline etc.



LBP-96

Basic pump is same as the LBP-06, except that the outlet discharge spout has a built-in aluminum die cast non drip attachment. Additionally outlet spout has a welded steel holder which performs a dual role -
a) cover preventing any contaminants to enter inside the pump;
b) holder for hanging buckets / containers for easy filling of media



LBP-04

Oil Pump for use with oil based fluids, heating oils, motor oils, heavy & light oils, Diesel & Kerosene. Non return seal is NBR. Pump is not suited for use with water based fluids, solvents, acids, antifreeze, gasoline etc.



Ordering Information

CAT. NR.	ORDERING #	NON RETURN SEAL
Lever Action Barrel Pump		
* LBP/04	44100	NBR
Antifreeze Barrel Pump		
LBP/06	44120	VITON
Antifreeze Barrel Pump with Nondrip		
LBP/96	44125	VITON

* Best Seller



LEVER ACTION BIO DIESEL & E85 FUEL PUMP

LBP-85

Product Features

- An extremely rugged & strong all steel pump designed specifically for use with Bio Diesel & E85 fuels
- Constructed from select materials which are compatible with Bio Diesel & E85 fuels
- Fracture proof design with steel pump head & bung
- Extra long pump body makes it easy to place refill containers on the drum for convenient filling
- Complete with telescopic suction tube for use on 15 gallons (50 litre) – 55 gallons (205 litre) barrels

WETTED COMPONENTS

Steel, Viton & PTFE

RECOMMENDED USE

Bio Diesel & E85 fuels

DO NOT USE

With Corrosive liquids, solvents, acids, alkalis etc.

! WARNING

Never operate the pump near fire or source of spark. Some media may be explosive & dangerous to pump



11" (280 mm) clearance between the outlet & drum for convenient placement of refill containers

Ordering Information

CAT. NR.	ORDERING #	FOR USE ON
LBP/85	44109	15 gal. (50 litre) - 55 gal. (205 litre) drums

DELIVERS



300 ml (10 oz. / stroke)

QUART / LITRE STROKE PUMP

QSP-01

Product Features

- An economical way to dispense exact quantity of media per stroke
- Heavy duty Industrial Pump that dispenses 1 Quart / 1 Litre per stroke
- Extremely useful in applications requiring metered delivery, the pump works on a precision rack & pinion mechanism
- Pump has a built in 2" Bung Adaptor & comes complete with a telescopic suction tube for use with 15 gallons (50 litre) – 55 gallons (205 litre) barrels
- **Other design features include:**
 - a. Spring Loaded Drain Back Tube for overflowed media
 - b. Lockable handle which allows the pump to be pad locked, when not in use
 - c. Lock Nut for positioning the pump outlet in any direction



WETTED COMPONENTS

Steel, Aluminum, Nitrile Rubber & Acetal

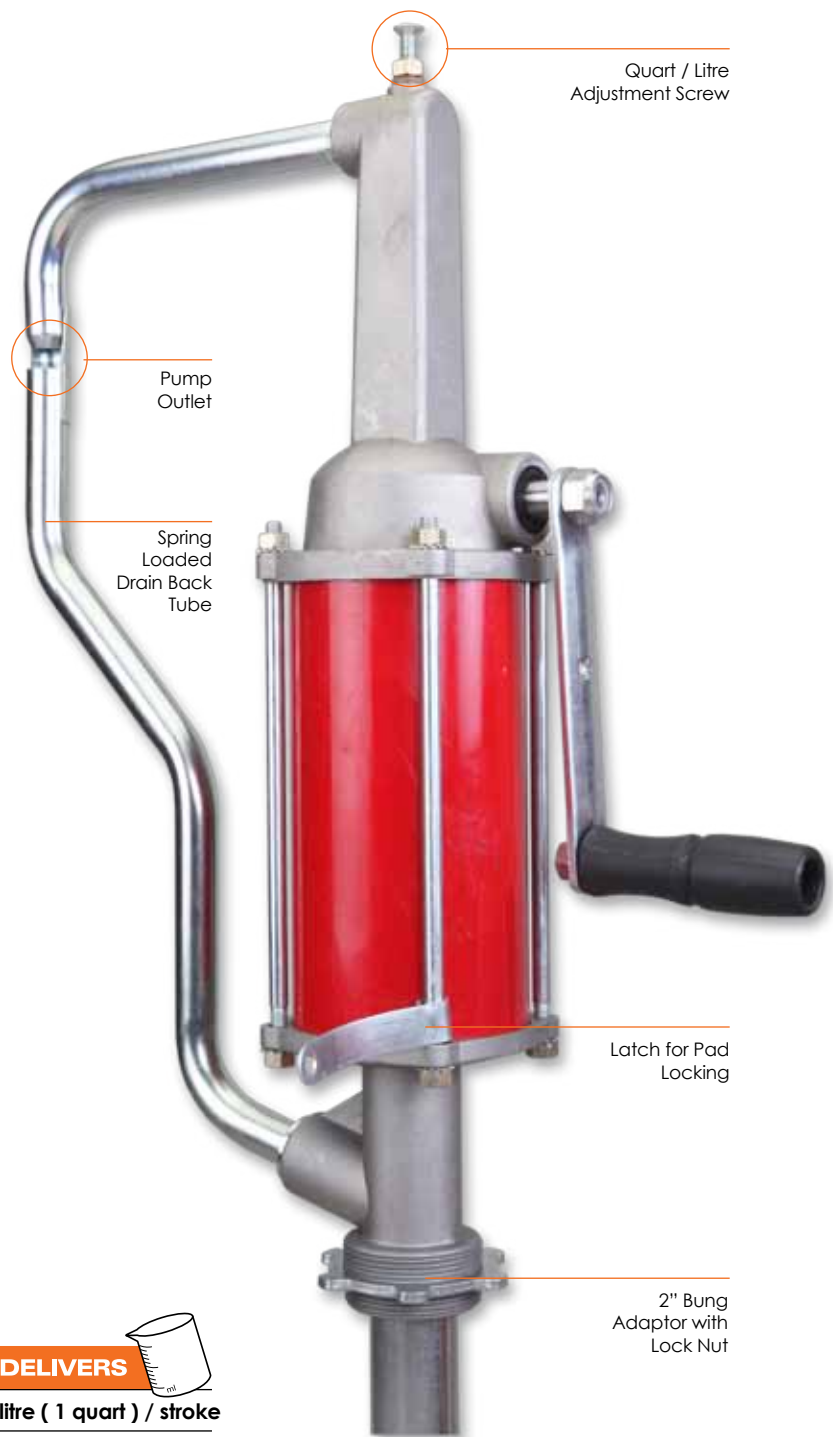
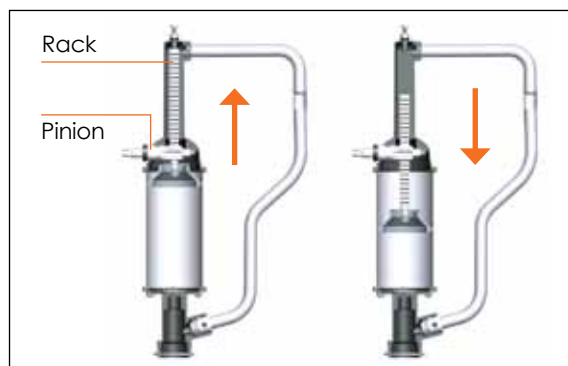
RECOMMENDED USE

Gear & Lube Oil, Petroleum based Media, Diesel & Kerosene

DO NOT USE WITH

Water Based & other corrosive fluids

PUMP INTERNALS



Ordering Information

CAT. NR.	ORDERING #
QSP/01	44187

DELIVERS 
1 litre (1 quart) / stroke

Product Features

- Self priming Vertical Lift Pump designed primarily for use with lacquer thinners, Urea, AdBlue, DEF etc.
- Nylon construction with stainless steel plunger rod & PTFE seals
- Complete with 2" polypropylene bung adaptor
- Available in a choice of full length pump for use on 55 gallon (205 litre) drums or stub pump for use on 25 litre drums

WETTED COMPONENTS

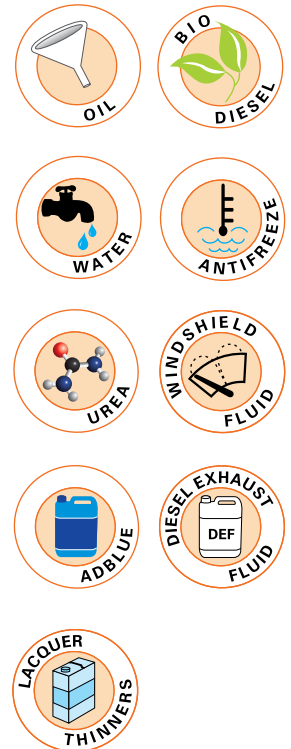
Nylon, Polypropylene, Stainless Steel & PTFE

RECOMMENDED USE

Lacquer thinners, Acetone, Antifreeze, Brake Kleen, Detergents, Glycerine, Water, Weed Killer, mild acids, AdBlue, Urea, DEF, petroleum based media etc.

DO NOT USE

With strong acids, bleach, gasoline etc.



Ordering Information

CAT. NR.	ORDERING #	FOR USE ON	DELIVERY
* CMP/12	44193	55 gal. (205 l) drums	400 ml (14 oz.)/stroke
◆ CMP/12S	44186	25 l drums	120 ml(4.20 oz.)/stroke

- * Best Seller
- ◆ New

Product Features

- 316 Stainless Steel Hand Operated Pumps for use with combustible & flammable media.
- Built-in Internal Flame Arrestor prevents flame flashback
- Heavy-Duty bonding & grounding wires prevent hazardous static charge. Wires are secured by locknut & have heavy-duty Alligator Clips
- Pump body made from 316 Stainless Steel with PTFE Piston & PTFE Sealing Gasket
- Available in a choice of Vertical Lift & Lever Action for use with 5 gallon (20-30 litre) pails or 15-55 gallon (50 to 205 litre) drums. Pail pump comes with 4 screw cap adapters (1-3/4", 2-1/8", 2-1/4" & 2-7/8") for use with most common pails. Drum pump comes with 2" Bung Adapter

WETTED COMPONENTS

316 Stainless Steel, PTFE

RECOMMENDED USE

Gasoline, Diesel, Kerosene, Lacquer, Thinners, Acetone, Benzene, Naphtha, Urea, DEF, Adblue etc. (more comprehensive list on adjoining page)

DO NOT USE

Hydrochloric Acid, Sulphuric Acid etc



VERTICAL LIFT:

DELIVERS

Upto 7 oz. (200 ml) per stroke

LEVER ACTION:

DELIVERS

Upto 2 oz. (60 ml) per stroke

Ordering Information

CAT. NR.	ORDERING #	PUMP TYPE	SUITABLE FOR
VLP/SS/5/F	44131	Vertical Lift	5 gl. (20 -30 Litre) Pails
VLP/SS/55/F	44132	Vertical Lift	15-55 gl. (50 – 205 Litre) Drums
LLP/SS/5/F	44147	Lever Action	5 gl. (20 -30 Litre) Pails
LLP/SS/55/F	44148	Lever Action	15-55 gl. (50 – 205 Litre) Drums



Chemical Compatibility Chart

CHEMICALS	COMPATIBILITY
Acetaldehyde	Excellent
Acetic acid 20%	Excellent
Acetone	Excellent
Alcohol: Amyl	Excellent
Alcohol: Benzyl	Good
Alcohol: Diacetone	Excellent
Alcohol: Ethyl	Excellent
Alcohol: Hexyl	Excellent
Alcohol: Isobutyl	Excellent
Alcohol: Methyl	Excellent
Ammonia, anhydrous	Good
Ammonia, liquid	Good
Ammonia: 10%	Excellent
Ammonium Hydroxide	Excellent
Amyl Acetate	Excellent
Anti-freeze	Fair
Benzene	Good
Benzoic Acid	Good
Bleach	Fair
Boric Acid	Excellent
Calcium Chloride (30% in water)	Good
Calcium Hypochlorite	Good
Citric Acid	Excellent
Detergents	Excellent
Diesel Fuel	Excellent
Ethyl Acetate	Good
Ethylene Glycol	Good

CHEMICALS	COMPATIBILITY
Formic Acid	Excellent
Fuel Oils	Good
Gasoline	Excellent
Glycerin	Excellent
Hydrochloric Acid, to 37%	Bad
Hydrogen Peroxide, to 30%	Good
Jet Fuel (JP3: JP4: JP5)	Excellent
Kerosene	Excellent
Lacquer Thinners	Excellent
Lacquers	Excellent
Lactic Acid	Good
Methyl Ethyl Ketone	Excellent
Mineral Spirits	Excellent
Naphtha	Good
Nitric Acid, to 20%	Excellent
Oxalic Acid, (Cold)	Excellent
Phenol	Good
Phosphoric Acid, to 40% solution	Fair
Photographic (developer)	Excellent
Potassium Chloride	Excellent
Potassium Hydroxide	Excellent
Potassium Sulfate	Excellent
Propylene Glycol	Good
Silicone	Excellent
Sodium Bicarbonate (Baking Soda)	Excellent

CHEMICALS	COMPATIBILITY
Sodium Carbonate (Soda Ash)	Excellent
Sodium Chloride	Good
Sodium Hydroxide 50% (Caustic Soda)	Good
Sodium Nitrate	Good
Sodium Sulfate	Good
Stoddard Solvent	Excellent
Sulfuric Acid, 75%	Bad
Toluene, Toluol	Excellent
Trichlorethylene	Good
Tricochlorethane	Good
Turpentine	Excellent
Urea/DEF/Adblue	Good
Water	Excellent
Xylene	Good

DISCLAIMER

The information in this chart is to be used ONLY as a guide in selecting equipment for appropriate chemical compatibility. Before permanent installation, test the equipment with the chemicals and under the specific conditions of your application.

We do not warrant (neither express nor implied) that the information in this chart is accurate or complete or that any material is suitable for any purpose.

Variations in chemical behavior during handling due to factors such as temperature, pressure, and concentrations can cause equipment to fail.

The compatibility shown in the chart is based on 22°C (72°F)

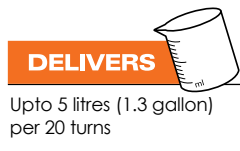
PLASTIC ROTARY PUMPS

Product Features

A range of special application pumps designed for use with media that cannot be pumped using a regular cast-iron or steel pump

Choice of 4 configurations built using different materials for handling mild to very aggressive media

- Pump body & Handle are constructed using Glass Filled Polypropylene
- Vanes made out of Ryton
- Complete with 3 pc threaded suction tube for use on 15 gallons (50 Litre) to 55 gallons (205 Litre) drums



Below tabulation details construction & application details of the 4 pump types:

	ERP/01	PRP/02	PRP/01	PRP/10
Description	Standard	DEF	Professional	Heavy Duty
Body Colour	Black	White	Yellow	Blue
Rotor Material	Polypropylene	Polypropylene	Ryton	Ryton
Handle Material	PPCP	40% Glass Filled PP	40% Glass Filled PP	Aluminum Die Cast
Shaft Seal	Viton	Viton	Viton	PTFE
Fasteners	Steel	Stainless Steel	Stainless Steel	Stainless Steel
Inlet Threads	Custom	Custom	Custom	3/4" BSP (F)
Outlet Threads	Custom	Custom	Custom	3/4" BSP (F)
Discharge Tube Material	PPCP	PPCP	PPCP	Stainless Steel SS 304
Suction Tube	PPCP	PPCP	PPCP	Stainless Steel SS 304
Strainer at Suction Tube Inlet	Yes	Yes	Yes	No
Non Return Valve at Suction Tube Inlet	Yes	Yes	Yes	No
Bung Adaptor Material	PPCP	PPCP	PPCP	Cast Iron
Bung Adaptor Spec.	2" for Metal Drums	2" for Metal Drums & 2nd adaptor for Plastic Drums	2" for Metal Drums & 2nd adaptor for Plastic Drums	2" for Metal Drums
Wetted Components	Polypropylene, Ryton, Viton	Polypropylene, Ryton, Viton	Polypropylene, Ryton, Viton	Polypropylene, Ryton PTFE, Stainless Steel
Typical Use	Infrequent / Light Use	Medium Use	Heavy Use	Tough Use

Variants

NEW!



RECOMMENDED USE
Light Oils, Antifreeze

DO NOT USE
Acids, Chemicals, Solvents etc.

Ordering Information

CAT. NR.	ORDERING #
ERP/01	44196



RECOMMENDED USE
DEF, Adblue, Urea

DO NOT USE
Acetone, Lacquer, Mineral Oils, Solvents, Turpentine etc.

Ordering Information

CAT. NR.	ORDERING #
PRP/02	44145



RECOMMENDED USE
Acids, Chemicals, Water based media, antifreeze, detergents, Urea, Adblue, DEF, Benzene, Glycerine etc.

DO NOT USE
Acetone, Lacquer, Mineral Oils, Solvents, Turpentine etc.

Ordering Information

CAT. NR.	ORDERING #
PRP/01	44191



RECOMMENDED USE

- Esters- Ethyl Acetate
- Alcohols- Ethyl Alcohol, Benzyl Alcohol, Butyl Alcohol, Methyl Alcohol
- Ketones- Acetone, MEK
- Bases- Ammonium Hydroxide, Potassium Hydroxide, Sodium Hydroxide, Baking Soa, detergents etc.
- Hydrocarbons- Ethylene Glycol, Naptha, Fuel Oils, Phenol
- Water Based Media, Antifreeze
 - Urea, Adblue, DEF

DO NOT USE
With Benzoic Acid, Gasoline, lacquer Thinners, Bleach, Benzene, Toluene, Xylene, Turpentine, Jet Fuel etc.

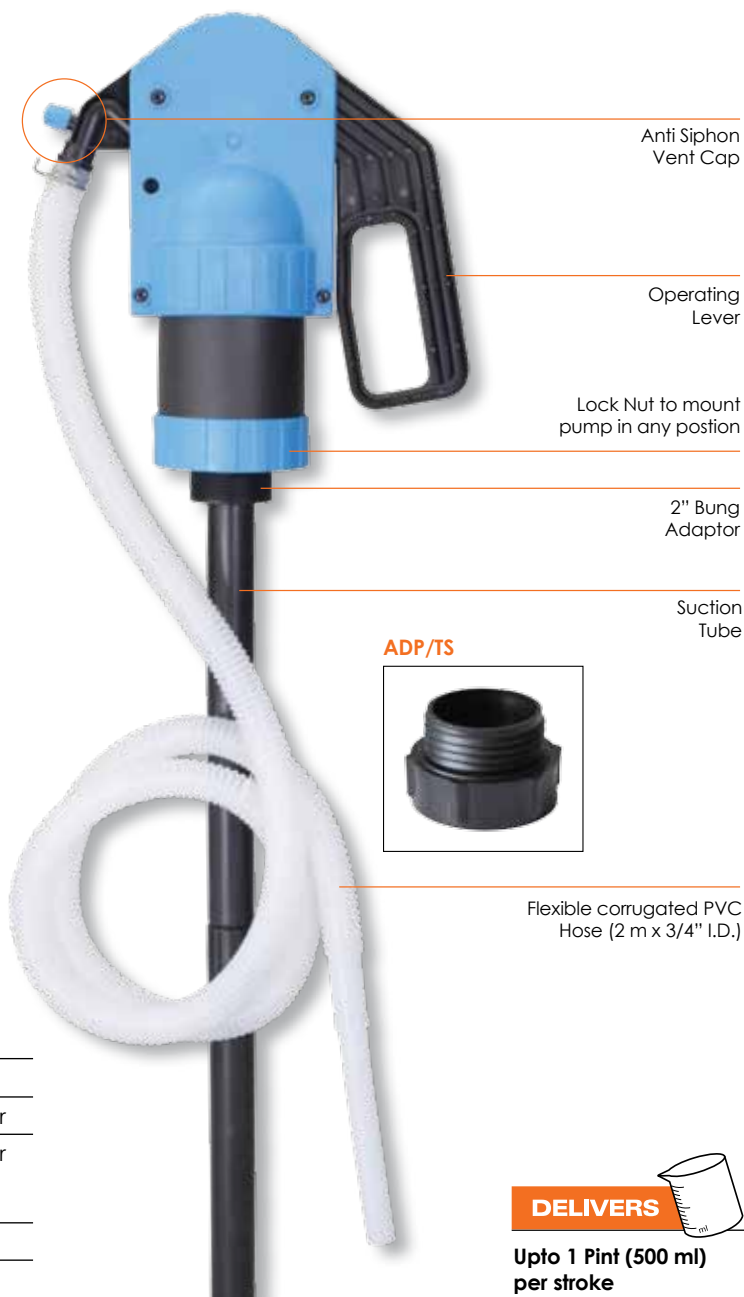
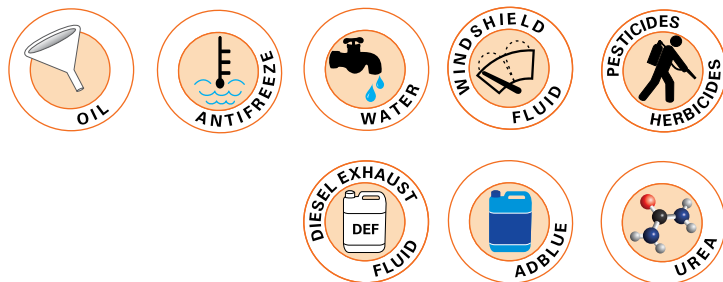
Ordering Information

CAT. NR.	ORDERING #
PRP/10	44144

NEW!
3/4" Inlet & Outlet threads on the pump also make it suitable for use on IBC's/ Totes, connecting with standard fittings

Product Features

- Lever Action Barrel pump, designed for use with high viscosity oils, agricultural chemicals etc. Pump design makes it extremely convenient & comfortable to pump thick oils without excessive fatigue
- Choice of materials used in the pump construction, make it versatile for use with water based media, as well as select chemicals
- Built-In 2" Bung Adaptor allows the pump to be fixed on drums with 2" Opening
- Pump position can be adjusted using the Lock Nut incorporated in the pump body
- Pump outlet is fitted with an Air Vent Cap which when loosened breaks the Siphon action
- Supplied complete with suction tube for use with 15- 55 gl (50-205 Litre) drums & 2m x 3/4" Flexible Corrugated discharge hose
- Also available with Tri-sure adaptor - making the pump suitable for use on plastic drums with buttress threads



Anti Siphon Vent Cap

Operating Lever

Lock Nut to mount pump in any position

2" Bung Adaptor

Suction Tube

ADP/TS



Flexible corrugated PVC Hose (2 m x 3/4" I.D.)

DELIVERS

Upto 1 Pint (500 ml) per stroke

WETTED COMPONENTS

Polyacetal, Polypropylene, Polyethylene, PVC & Viton

FOR USE WITH

Water-based media, detergents, soaps, antifreeze, windshield washer, Hydraulic Oils, Lubricants, Herbicides & Pesticides, Adblue, Urea, DEF etc.. Pump should only be used with Non-flammable liquids

DO NOT USE

With any media not compatible with materials used in the pump construction. These pumps must never be used for Fuel Transfer or with Thinners, Solvents etc.

Ordering Information

CAT. NR.	ORDERING #	DESCRIPTION
PLP/02	44185	Pump with 2" Bung Adapter
◆ PLP/02T	44167	Pump with 2" Bung Adapter and an additional Tri sure adapter
BUNG/P/TS	44166	Spare Tri sure adapter

◆ New

MECHANICAL DIESEL METER

FM-10

Product Features

- High Accuracy Diesel Meter with mechanical register
- Nutating Disc mechanism offers high tolerance to fuel contamination
- Meter is designed for both In-Line applications & gravity flow (with a minimum gravity head of 4')
- Ideal for use with Electric Fuel pumps
- Register cap can be easily removed & rotated to every 90° orientation for display reading
- Robust Aluminum Die Cast construction
- Easy user re calibration
- Works with both Fuels & Oils
- **Available in Litre / Gallon version**

RECOMMENDED USE

Diesel, Biodiesel, Low to Medium Viscosity Oils

DO NOT USE WITH

Gasoline, Water based media

WETTED COMPONENTS

Aluminum, Butyl Tereftalat, Nitrile Rubber



Specifications

Flow rate	20 to 120 LPM (5 to 32 GPM)
Accuracy *	+ / - 1%
Repeatability *	+ / - 0.30%
Max. Working Pressure	145 PSI (10 BAR)
Burst Pressure	435 PSI (30 BAR)
Pressure Loss	3 PSI (0.20 BAR)
Working Temperature range	-10°C to 60°C (14°F to 140°F)
Max. Resettable Batch Total	999 Litres or 99.9 Gallons
Max. Non Resettable Totalizer	9,99,999 Litres or 99999.9 Gallons
Least Count /Resolution	0.10 Litres or 0.10 Gallons
Max. Viscosity of Media	2,000 cst

Note:
Not to be
used to
measure
media for
resale

* Tested in laboratory conditions

FLOW RATE 
20 to 120 LPM (5 to 32 GPM)

TEMPERATURE 
Working Temperature Range
-10°C to 60°C (14°F to 140°F)



Maximum Working Pressure
145 PSI (10 BAR)



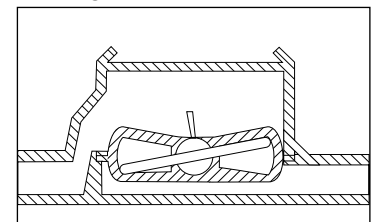
Display can be changed by rotating the card in its housing thus ensuring greater versatility in positioning

Ordering Information

CAT NR.	ORDERING #	MEASUREMENT	THREADS
* FM-10/0-1/BSP	45640	Litres	1" BSP (F)
FM-10/0-1/N	45642	Litres	1" NPT (F)
* FM-10G/0-1/N	45641	Gallons	1" NPT (F)

* Best Seller

Nutating Disc Mechanism



F METER - MECHANICAL FUEL METER

Product Features

- Worldclass Mechanical Fuel Meter, extremely compact, yet easy to read
- Robust Aluminum Die Cast Construction
- 3 Port Design which allow the meter to be fitted In – Line or with the Inlet & outlet ports at Right Angle
- Nutating Disc Mechanism offers high tolerance to fuel contamination
- For use with Electric Fuel Pumps or gravity flow (with a minimum gravity head of 4')
- Register cap can be easily removed & rotated to every 90° orientation for convenient read out
- Easy user re calibration
- Works with both Fuels & Oils
- Available in Litre/Gallon version in a choice of ¾" or 1" threads

RECOMMENDED USE

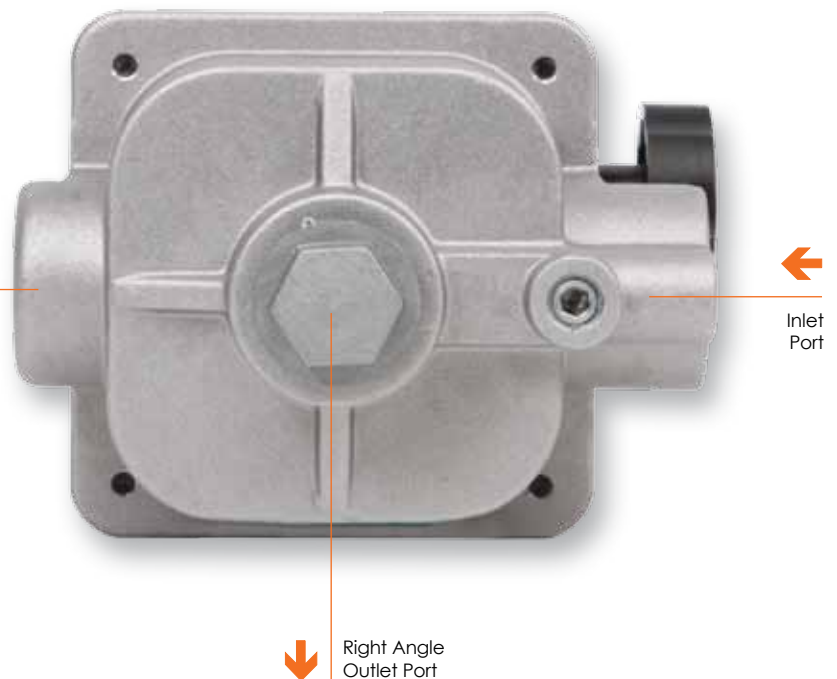
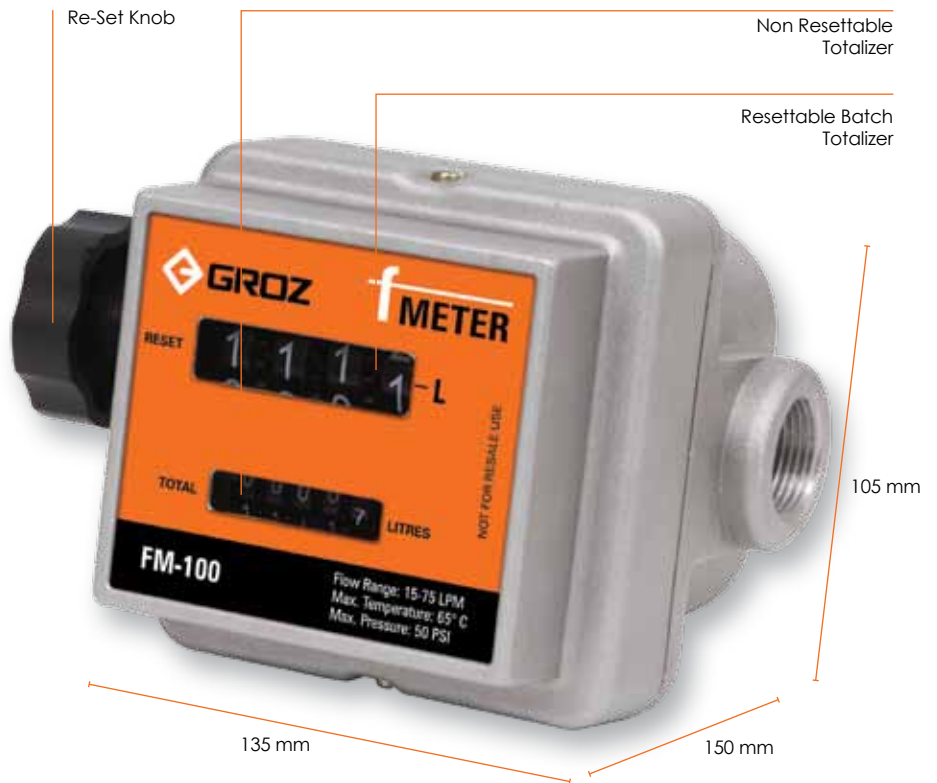
Diesel, Gasoline, Biodiesel, Low to Medium Viscosity Oils

DO NOT USE WITH

Water based media

WETTED COMPONENTS

Aluminum, Poly Butylene Terephthalate (PBT), Viton, Stainless Steel



FLOW RATE

15 to 75 LPM (4 to 20 GPM)

TEMPERATURE

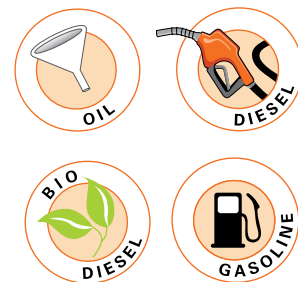
Working Temperature Range
-10°C to 65°C (14°F to 150°F)



Maximum Working Pressure
50 PSI (3.5 BAR)

Specifications

Flow Rate	15 to 75 LPM (4 to 20 GPM)
Accuracy *	+/- 1%
Repeatability *	+/- 0.50%
Max. Working Pressure	50 PSI (3.5 BAR)
Working Temperature Range	-10°C to 65°C (14°F to 150°F)
Max. Resettable Batch Total	9999 Litres or 999.9 Gallons
Max. Non Resettable Totalizer	999999 Litres or 99999.9 Gallons
Least Count / Resolution	0.10 Litres or 0.10 Gallons
Meter Dimensions	5-5/16" (135 mm) Wide x 4-1/8" (105 mm) Tall x 6" (150 mm) Deep

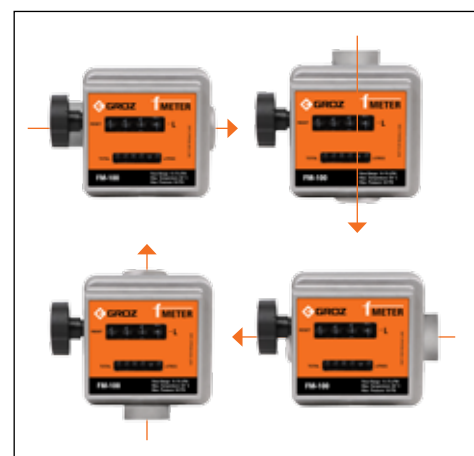


* Tested in laboratory conditions

Versatile Mounting Options



Register cap can be easily removed & rotated to every 90° orientation for display reading



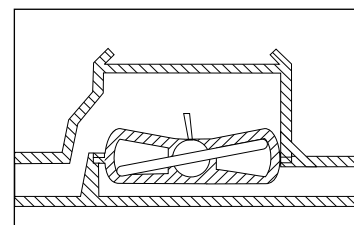
Note: Not to be used to measure media for resale

Ordering Information

CAT NR.	ORDERING #	MEASUREMENT	THREADS
FM-100/3-4/BSP	45680	Litres	3/4" BSP(F)
FM-100/3-4/N	45681	Litres	3/4" NPT(F)
FM-100G/3-4/N	45682	Gallons	3/4" NPT(F)
* FM-100/0-1/BSP	45683	Litres	1" BSP(F)
FM-100/0-1/N	45684	Litres	1" NPT(F)
* FM-100G/0-1/N	45685	Gallons	1" NPT(F)

* Best Seller

Nutating Disc Mechanism



Product Features

- Digital Turbine meter for low viscosity fluids, easy to install in line or for end of the line applications
- Polyamide Turbine measuring mechanism
- Electronic Display using two AAA 1.5V batteries
- Aluminium body and sealed electronic card make it suitable for use in severe weather conditions
- Display can be rotated in 4 different positions
- Bi-Directional - Either ports can be used as Inlet / Outlet
- **Measures in Litres, Quarts, Pints & Gallons**
- Easy user re calibration



RECOMMENDED USE

Diesel, Gasoline, Bio Diesel, Windshield Fluid, Water

DO NOT USE WITH

Oils

WETTED COMPONENTS

Aluminum & Polyamide



Specifications

Flow rate	5 to 120 LPM (1.3 to 32 GPM)
Accuracy *	+ / - 1 %
Repeatability *	+ / - 0.30%
Max. Working Pressure	300 PSI (20 BAR)
Burst Pressure	580 PSI (40 BAR)
Pressure Loss	0.50 PSI (0.04 BAR)
Working Temperature range	-10°C to 50°C (14°F to 122°F)
Max. Resettable Batch Total	99,999 units
Max. Non Resettable Totalizer	9,99,999 units
Least Count /Resolution	0.001 units
Max. Viscosity of Media	5.35 cst
Water Resistance	IP55

* Tested in laboratory conditions

Note: Not to be used to measure media for resale

Ordering Information

CAT NR.	ORDERING #	THREADS
FM-20/0-1/BSP	45650	1" BSP (M) x 1" BSP (F)
FM-20/0-1/N	45651	1" NPT (M) x 1" NPT (F)

FLOW RATE



5 to 120 LPM (1.3 to 32 GPM)



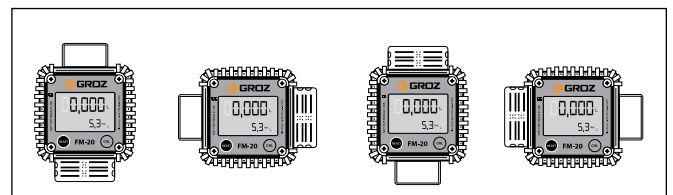
Maximum Working Pressure
300 PSI (20 BAR)

TEMPERATURE



Working Temperature Range
-10°C to 50°C (14°F to 122°F)

Display can be changed by rotating the card in its housing thus ensuring great versatility in positioning



Product Features

- Digital Turbine Meter with Polyamide construction, designed especially for use with DEF, water etc.
- Designed for in-line, end of the line application or use with a dispensing nozzle
- Polyamide turbine measuring mechanism
- Electronic display using two AAA 1.5V batteries
- Polyamide body & sealed electronic card makes it suitable for use in severe weather conditions
- Display can be rotated in 4 different positions
- **Measures in Litres, Quarts, Pints & Gallons**
- Easy user re calibration
- Includes one additional stainless steel adaptor to convert from 1" male to 1" female threads



RECOMMENDED USE

Urea, AdBlue, DEF, Windshield fluids, water & water based media

DO NOT USE WITH

Fuels and Oils

WETTED COMPONENTS

Polyamide, Viton, Stainless Steel

Specifications

Flow Rate	5 - 120 LPM (1.3 - 32 GPM)
Accuracy*	+ / - 1%
Repeatability*	+/- 0.30%
Max. Working Pressure	145 PSI (10 BAR)
Burst Pressure	580 PSI (40 BAR)
Working Temperature Range	-10°C to 50°C (14°F - 122°F)
Max. Resettable Batch Total	99,999 units
Max. Non Resettable Totalizer	9,99,999 units
Least Count/ Resolution	0.001 units
Max. Viscosity of media	5.35 cst
Water Resistance	IP 55

* Tested in laboratory conditions

Note: Not to be used to measure media for resale



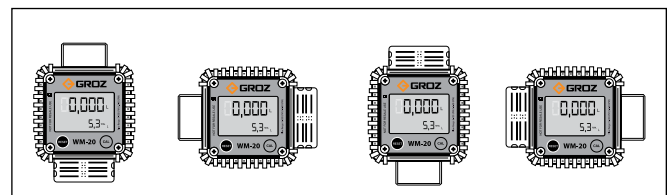
Maximum Working Pressure
145 PSI (10 BAR)

TEMPERATURE
Working Temperature Range
-10°C to 50°C (14°F to 122°F)

Ordering Information

CAT NR.	ORDERING #	THREADS
WM/20/0-1/BSP	45670	1" BSP
WM/20/0-1/N	45671	1" NPT

Display can be changed by rotating the card in its housing thus ensuring great versatility in positioning



Product Features

- For use with Electric Fuel Pumps & gravity feed applications
- All Metal Construction with the Body, Discharge Spout, Trigger & Guard made from Aluminium
- Available with a swivel or with hose barb at the inlet
- Hose Swivel at Inlet offers increased maneuverability & convenience in use
- Manual control. Also includes continuous flow switch for unattended dispensing
- Designed for minimal back pressure & reduction in flow
- 6-5/16" (160 mm) long Spout
- For use with Diesel, Kerosene & Gasoline

WETTED COMPONENTS

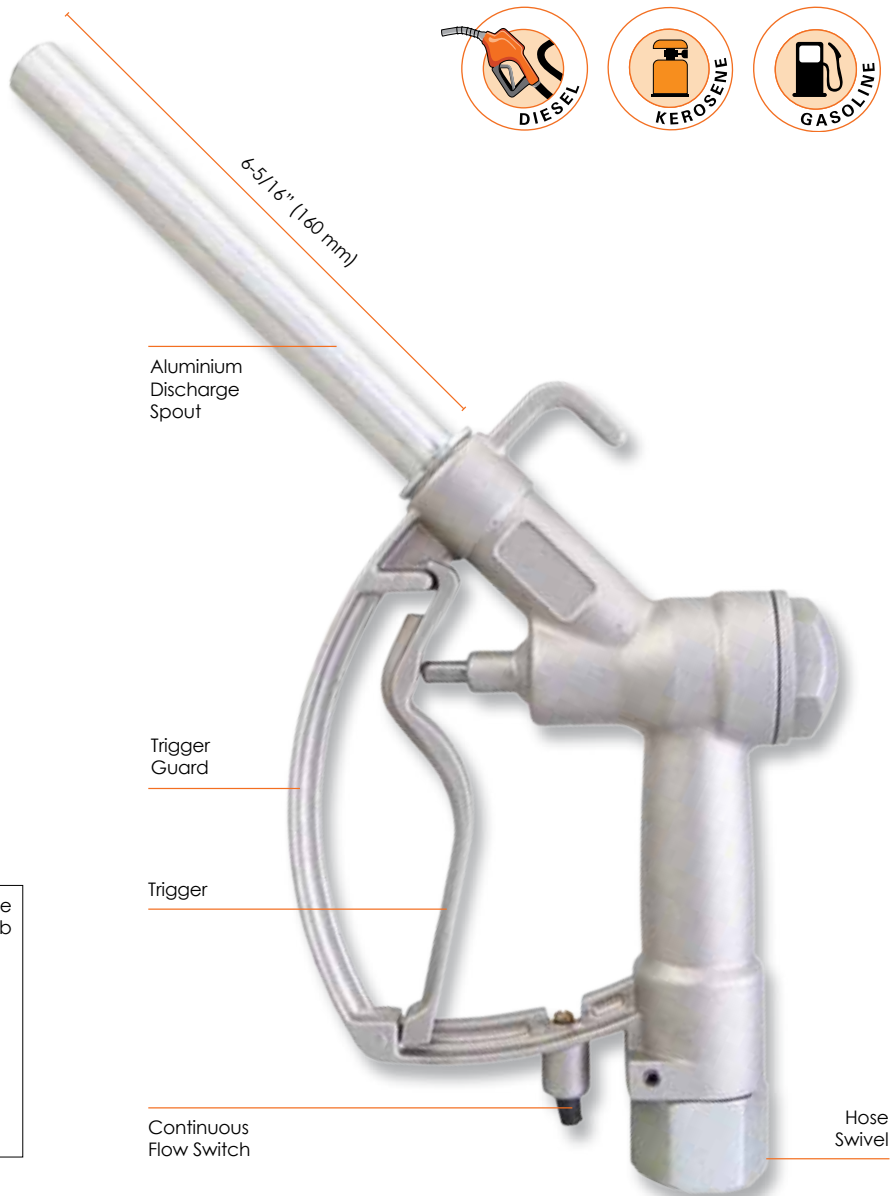
Aluminum, Steel, Nylon, Nitrile Rubber, Zinc*
 * on models fitted with Hose Barb

Note

Fuel Nozzles can also be custom manufactured with curved Discharge Spout



Maximum Pressure
 50 PSI (3.45 BAR)



Ordering Information

CAT. NR.	ORDERING #	FOR USE WITH	INLET THREADS	SPOUT DIA. (OD)	SPOUT DIA. (ID)	MAX. FLOW RATE
NOZZLES WITH SWIVEL						
FCN/S/3-4/3-4/BSP	45580	Diesel & Gasoline	3/4" BSP (F)	3/4" (19 mm)	0.61" (15.6 mm)	15 GPM (57 LPM)
FCN/S/0-1/0-1/BSP	45581	Diesel	1" BSP (F)	1" (25 mm)	0.86" (22 mm)	20 GPM (75 LPM)
FCN/S/3-4/3-4/N	45590	Diesel & Gasoline	3/4" NPT (F)	3/4" (19 mm)	0.61" (15.6 mm)	15 GPM (57 LPM)
FCN/S/0-1/0-1/N	45591	Diesel	1" NPT (F)	1" (25 mm)	0.86" (22 mm)	20 GPM (75 LPM)
NOZZLES WITH HOSE BARB						
◆ FCN/HB/3-4	45598	Diesel & Gasoline	3/4" Hose Barb	3/4" (19 mm)	0.61" (15.6 mm)	15 GPM (57 LPM)
◆ FCN/HB/0-1	45599	Diesel	1" Hose Barb	1" (25 mm)	0.86" (22 mm)	20 GPM (75 LPM)

◆ New

Product Features

- For use with DEF, Adblue, Urea, Windshield Fluids & other water based media
- Nylon construction with Stainless Steel Internal Parts & Viton seal
- Nozzle spout with notches to avoid the gun from slipping from the tank during delivery
- Hose Barb $\frac{3}{4}$ " (20 mm) at inlet
- Manual control. Also includes continuous flow switch for unattended dispensing
- Designed for minimal back pressure & reduction in flow

RECOMMENDED USE

Diesel Exhaust Fluid, Adblue & Urea

WETTED COMPONENTS

Nylon (Nylon 6, 30% glass Filled), Stainless Steel, Viton

FLOW RATE

Upto 90 LPM (23.8 GPM)

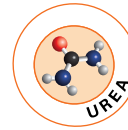
TEMPERATURE

Upto 60°C (140°F)



Maximum Working Pressure
72.5 PSI (5 BAR)

Outlet Dia.
 $\frac{3}{4}$ " (18.8 mm)



Spout Length
4-23/32" (120 mm)

Nozzle Hanger

Trigger Guard

Trigger

Continuous Flow Switch

Ordering Information

CAT NR.	ORDERING #	INLET	SPOUT DIA. (OD)	SPOUT DIA. (ID)
FCN/NY/HB/3-4	45589	$\frac{3}{4}$ " (20 mm) Hose Barb	$\frac{3}{4}$ " (18.8 mm)	0.57" (14.6 mm)

FUEL CONTROL NOZZLE - AUTOMATIC

FCNA

Product Features

- For Use with Electric Fuel Pumps
- Dual Mode: Manual & Automatic. Sensor built into the discharge spout outlet automatically shuts off supply once fuel level in the tank reaches that of the outlet discharge spout
- Heavy Duty Cast Aluminum Body, Trigger & Guard from Thermoplastic & protective vinyl grip on the nozzle body
- Available both with & without swivel



RECOMMENDED USE

Diesel, Kerosene, Leaded & Unleaded Gasoline

WETTED COMPONENTS

Aluminium, Viton, Steel*
* only on models with swivel



Maximum Pressure
50 PSI (3.45 BAR)



Ordering Information

CAT NR.	ORDERING #	FOR USE WITH	SPOUT TYPE	INLET THREADS	SPOUT DIA (OD)	SPOUT DIA (ID)	MAX. FLOW RATE
WITHOUT SWIVEL							
* FCNA/3-4/N	45570	Diesel & Gasoline	Straight	3/4" NPT (F)	13/16" (21 mm)	0.67" (17 mm)	15.87 GPM (60 LPM)
* FCNA/0-1/N	45571	Diesel	Curved with Spring	1" NPT (F)	1-1/16" (27 mm)	0.83" (21 mm)	26.45 GPM (100 LPM)
WITH SWIVEL							
FCNA/S/3-4/BSP	45572	Diesel & Gasoline	Straight	3/4" BSP (F)	13/16" (21 mm)	0.67" (17 mm)	15.87 GPM (60 LPM)
FCNA/S/3-4/N	45573	Diesel & Gasoline	Straight	3/4" NPT (F)	13/16" (21 mm)	0.67" (17 mm)	15.87 GPM (60 LPM)
FCNA/S/0-1/BSP	45574	Diesel	Curved with Spring	1" BSP (F)	1-1/16" (27 mm)	0.83" (21 mm)	26.45 GPM (100 LPM)
FCNA/S/0-1/N	45575	Diesel	Curved with Spring	1" NPT (F)	1-1/16" (27 mm)	0.83" (21 mm)	26.45 GPM (100 LPM)

* Best Seller

FUEL CONTROL NOZZLE - METERED

FM20-FCN

Product Features

- Manual Fuel Control Nozzle fitted with Digital Fuel Meter
- Nozzle with Die cast Aluminum Construction with built in Swivel at inlet and switch for un-attended continuous dispensing
- Polyamide Turbine measuring mechanism
- Electronic Display using two AAA 1.5V batteries
- Aluminium meter body and sealed electronic card makes it suitable for use in severe weather conditions
- **Measures in Litres, Quarts, Pints & Gallons**
- Easy user re calibration

RECOMMENDED USE

Diesel, Gasoline

DO NOT USE WITH

Oils

WETTED COMPONENTS

Polyamide, Aluminum, Steel, Nylon, Nitrile Rubber



Specifications

Flow rate	5 to 75 LPM (1.3 to 20 GPM)
Accuracy	+ / - 1 %
Repeatability	+ / - 0.30%
Max. Working Pressure	50 PSI (3.45 BAR)
Working Temperature range	-10°C to 50°C (14°F to 122°F)
Max. Resettable Batch Total	99999 units
Max. Non Resettable Totalizer	999999 units
Least Count /Resolution	0.001 units
Max. Viscosity of Media	5.35 cst
Water Resistance	IP55
Inlet	3/4" (F) or 1" (F)



Maximum Working Pressure
50 PSI (3.45 BAR)



Working Temperature Range
-10°C to 50°C (14°F to 122°F)



FLOW RATE
5 to 75 LPM (1.3 to 20 GPM)

Ordering Information

CAT NR.	ORDERING #	INLET THREADS	OUTLET SPOUT (OD)
FM-20/FCN/3-4/BSP	45660	3/4" BSP (F)	3/4" (19 mm)
FM-20/FCN/3-4/N	45661	3/4" NPT (F)	3/4" (19 mm)
FM-20/FCN/0-1/BSP	45665	1" BSP (F)	1" (25 mm)
FM-20/FCN/0-1/N	45666	1" NPT (F)	1" (25 mm)

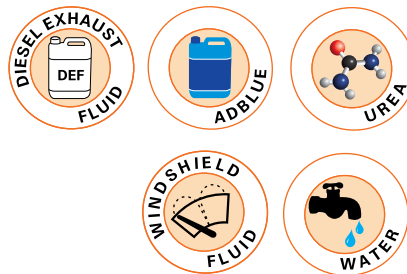
STAINLESS STEEL DEF NOZZLE SWIVEL



SWV/SS

Product Features

- For use with DEF, Adblue, Urea, Windshield Fluids & other water based media
- Stainless Steel SS 304 construction
- Hose Barb $\frac{3}{4}$ " (20 mm) at one end $\frac{3}{4}$ " Male threads on the other
- 0.55" (14 mm) ID Designed for minimal back pressure & reduction in flow



WETTED COMPONENTS

Stainless Steel SS 304

Ordering Information

CAT NR.	ORDERING #	INLET	OUTLET
SWV/SS/HB/3-4/B	43892	$\frac{3}{4}$ " (20 mm) Hose Barb	$\frac{3}{4}$ " BSPT (M)
SWV/SS/HB/3-4/N	43893	$\frac{3}{4}$ " (20 mm) Hose Barb	$\frac{3}{4}$ " NPT (M)

DUAL PLANE FUEL NOZZLE SWIVEL



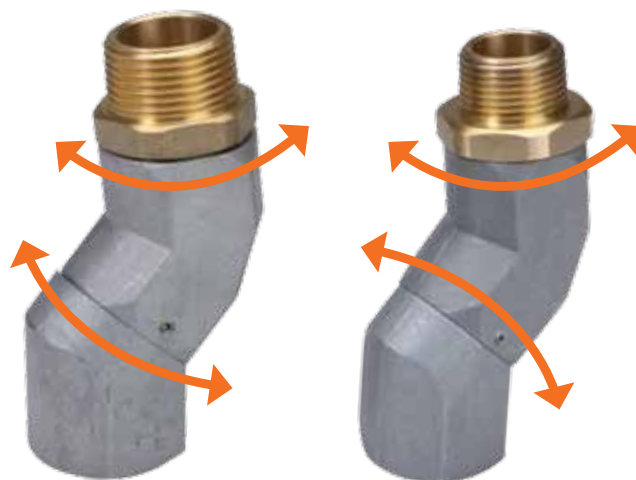
SWV/DP

Product Features

- Provides a full 360° rotation for free movement facilitating flexibility to refuel vehicles from virtually any direction. Swivel is installed between the fuel nozzle and hose to reduce strain, providing flexibility so that the fuelling hose lasts longer
- Aluminium die cast construction with male threaded end made from brass
- Laminar flow design for higher fuel flow
- Compatible with fuels containing alcohol
- Dual 'O' ring seal for long service life



Maximum Pressure
50 PSI (3.45 BAR)



SWV/DP/0-1/N

SWV/DP/3-4/N

WETTED COMPONENTS

Aluminium, Brass, Viton

Ordering Information

CAT NR.	ORDERING #	THREADS
SWV/DP/3-4/N	43880	$\frac{3}{4}$ " NPT (F) X $\frac{3}{4}$ " NPT (M)
SWV/DP/0-1/N	43881	1" NPT (F) X 1" NPT (M)

Product Features

- Gravity Feed Fuel Dispensing Kit comprising 3m Anti Static Rubber Hose, fitted with Manual Fuel Control Nozzle with Swivel



Ordering Information

CAT NR.	ORDERING #	HOSE INNER DIAMETER	THREADS
FDK/3/3-4/N	44094	3/4"	3/4" NPT (M)
FDK/3/0-1/N	44095	1"	1" NPT (M)

FUEL HOSE

Product Features

- Replacement Anti Static Fuel Hose complete with end connections



Ordering Information

CAT NR.	ORDERING #	LENGTH	INNER DIAMETER OF HOSE	THREADS	SUITABLE FOR PUMP
ZSA/HOS/FPM/12	44077	12'	3/4"	3/4" NPT (M)	FPM-12 FPM-24 FPM-115 FPM-220
ZSA/HOS/FPM/12-14	44073	14'	3/4"	3/4" NPT (M)	
ZSA/HOS/FPM/12-20	44074	20'	3/4"	3/4" NPT (M)	
ZSA/HOS/FPM/12/HF	44078	12'	1"	1" NPT (M)	FPM/12/HF
ZSA/HOS/FPM/12/HF-14	44079	14'	1"	1" NPT (M)	
ZSA/HOS/FPM/12/HF-20	44089	20'	1"	1" NPT (M)	

FUEL FILTERS

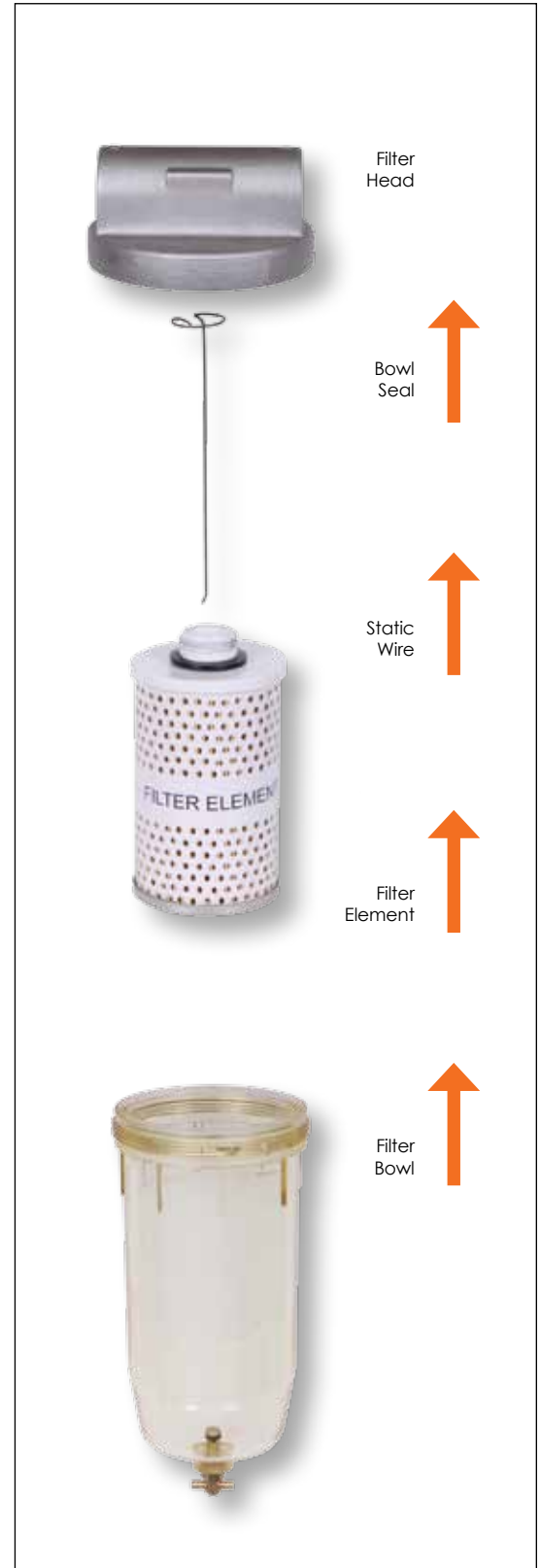
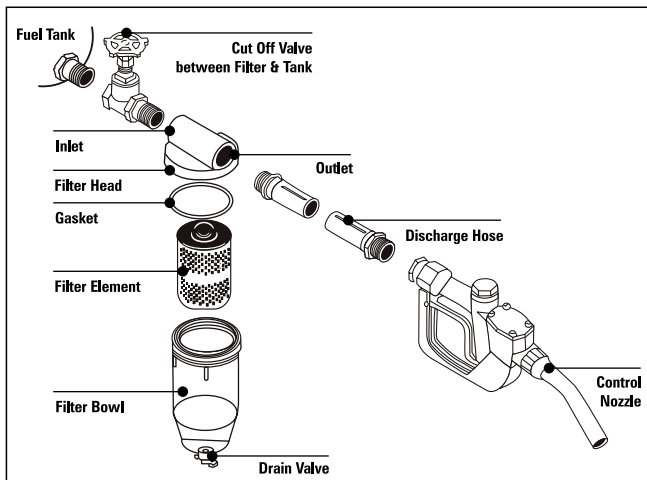
Product Features

- A range of Fuel Filters to suit different types of fuels in agricultural & industrial applications
- Durable & lightweight design for easy installation on mobile & stationary fuel tanks and on gasoline & diesel fuel pumps
- Rust & weather resistant for years of trouble free usage
- The 10 micron paper filter element filters even small particles of rust, scale, grit, dirt, sand and lint at a gravity flow of 19 litres/ minute (5GMP) with a 24" (600 mm) head. The filter element has 366 square inches of filtering surface which results in more particle retention which means cleaner fuel and fewer repairs of costly engines.
- Replacement filter elements are available as spares for each type below
- **Available in 3 versions**
 - a. Fuel Filter for Gasoline, Gasohol, Diesel & Kerosene
 - b. Fuel Filter for Bio Diesel
 - c. Fuel Filter for Diesel & Kerosene



Max. Working Pressure
150 PSI (10 BAR)

FUEL FILTER INSTALLATION



FUEL FILTERS WITH SEE-THROUGH BOWL (FFL-01)



- Fuel Filter for use with Gasoline, Diesel and Ethanol Blends
- Includes 10 micron fuel filter element
- See-through bowl permits visual monitoring of fuel flow
- Water block filter element also available that separates water from fuel

WETTED COMPONENTS

Aluminium, Isoplast, NBR, Steel, Paper element, Nylon

RECOMMENDED USE

Gasoline, Diesel fuel, Fuel Oil & related additives including Methyl, Ethyl & Isopropyl Alcohol, Bio-Diesel blends upto 20%

DO NOT USE WITH

Water based products, Aviation fuels, racing fuels etc

Replacement Parts



Ordering Information

CAT. NR.	ORDERING #	FILTER ELEMENT	INLET/OUTLET
FUEL FILTER			
FFL/01/BSP	44314	10 microns	1" BSP (F)
FFL/01/N	44315	10 microns	1" NPT (F)
FFL/01/WB/BSP	44316	10 microns water block filter	1" BSP (F)
FFL/01/WB/N	44317	10 microns water block filter	1" NPT (F)
REPLACEMENT FILTER ELEMENT			
FF/FFL/10/ST	44389	10 micron filter	
FF/FFL/10-WB/ST	44399	10 micron water block filter	
REPAIR PARTS			
SA/CON/FFL/01	44354	Spare Filter Bowl	

FUEL FILTERS (continued)

FUEL FILTERS WITH SEE-THROUGH BOWL (FFL-01BD) **NEW!**



- Fuel Filter for use with Bio Diesel
- Includes 10 micron fuel filter element
- See-through bowl permits visual monitoring of fuel flow
- Ideal for use with 100% BIO-DIESEL & several other fuels and fuel based products

WETTED COMPONENTS

Aluminium, Isoplast, Viton, Steel, Paper element, Nylon

RECOMMENDED USE

100% Bio-Diesel, Gasoline, Diesel fuel, Fuel Oil & related additives including Methyl, Ethyl & Isopropyl Alcohol

DO NOT USE WITH

Water based products, Aviation fuels, racing fuels etc

Replacement Parts



Part # FF/FFL/10BD/ST
Replacement Filter Element & Viton Seal kit



Aluminium Die cast Filter Head

Filter Element

Isoplast see-through Bowl

Nickel Plated Steel Drain Valve

Ordering Information

CAT. NR.	ORDERING #	FILTER ELEMENT	INLET/OUTLET
FUEL FILTER			
FFL/01BD/BSP	44318	10 microns	1" BSP (F)
FFL/01BD/N	44319	10 microns	1" NPT (F)
REPLACEMENT FILTER ELEMENT			
FF/FFL/10BD/ST	44336	10 microns	
REPAIR PARTS			
SA/CON/FFL/01	44354	Spare Filter Bowl	

FUEL FILTER (FFL-02)

- Fuel Filter for use with Diesel & Gasoline
- Includes 10 micron fuel filter element
- Translucent Polypropylene bowl gives a visual check of the filter element & permits removal of sediment and water in the bowl
- Water block filter element also available that separates water from fuel

WETTED COMPONENTS

Aluminium, Polypropylene, NBR, Steel, Paper element, Nylon, Brass

RECOMMENDED USE

Gasoline, Diesel fuel & Kerosene

DO NOT USE WITH

Water based products, Gasohol, Aviation fuels, racing fuels etc



Replacement Filter Element



Aluminium die cast filter head

Translucent polypropylene filter bowl gives a visual check of the filter element & permits removal of sediment & water in the bowl

Drain Valve can be operated by a simple turn & releases accumulated water & unwanted contaminants

Ordering Information

CAT. NR.	ORDERING #	FILTER ELEMENT	INLET/OUTLET
FUEL FILTER			
FFL/02/BSP	44390	10 microns	1" BSP (F)
FFL/02/N	44391	10 microns	1" NPT (F)
FFL/02/WB/BSP	44392	10 microns water block filter	1" BSP (F)
FFL/02/WB/N	44393	10 microns water block filter	1" NPT (F)
REPLACEMENT FILTER ELEMENT			
FF/FFL/10	44395	10 micron filter	
FF/FFL/10-WB	44397	10 micron water block filter	

FUEL FILTERS - SPIN ON CARTRIDGE STYLE

FFS-10

Product Features

- High Flow Fuel Filter, complete with 10 micron Spin-On style filter cartridge
- Aluminum Die Cast Head, vacuum impregnated for leakproof operation
- Inlet & Outlet threaded 1" (F)
- Fits spin on cartridges with 1-1/2"-16 UNF threads
- Designed for use on both mobile & stationary fuel tanks and on gasoline & diesel fuel pumps
- Ideal for use in construction & agricultural applications
- Removes particulate contaminants such as dirt, dust & rust
- Replacement Spin-On Filter cartridges available as spare

RECOMMENDED USE

Gasoline, Diesel Fuel

DO NOT USE

With water based products, Aviation Fuels, Race Fuels etc.



Aluminum die cast filter head threaded 1" at the inlet

Aluminum die cast filter head threaded 1" at the outlet

FFS/10/N

Spin-On Filter Cartridge



Max. Working Pressure
50 PSI (3.45 BAR)

FLOW RATE



Max. Flow: 20 GPM (75 LPM)

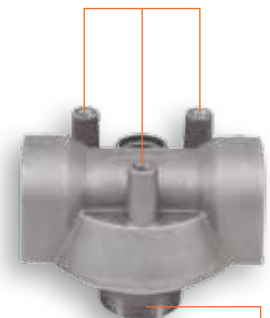
Ordering Information

CAT. NR.	ORDERING NR.	FILTER ELEMENT	INLET/OUTLET
Fuel Filter			
FFS/10/BSP	45900	10 µ Filter	1" BSP (F)
FFS/10/N	45901	10 µ Filter	1" NPT(F)
FFS/10WB/BSP	45902	10 µ Water Block Filter	1" BSP (F)
FFS/10WB/N	45903	10 µ Water Block Filter	1" NPT(F)
Replacement Cartridge			
FF/FFS/10	45910	10 µ Filter	
FF/FFS/10-WB	45911	10 µ Water Block Filter	

FF/FFS/10



Mounting Holes
5/16"-18 BSW



1-1/2"-16 UNF
Threads

FILTER WRENCH

Product Brief

- Easy to use Filter Wrench for removing Filter Bowl when changing Filter element
- Weather Resistant re-inforced Nylon construction won't damage the bowl like metal oil filter wrenches
- Specially designed to fit Groz FFL-01 & FFL-02 fuel filter bowl. It additionally fits filters from several other makers such as:
Goldenrod Model 495 & 496
Baldwin Model B10AL
National Spencer Model NS-10
John Deere TY15192 & TY15677 etc.
- Wire through hole provided for attaching to fuel tank

Ordering Information

CAT NR.	ORDERING #
FW/FFL-02	44394



wire
through
hole



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