

# FILL-RITE®

The Most Trusted Name in Pumps and Meters

# INDUSTRY-LEADING DIGITAL METERS 900 SERIES DIGITAL METERS

Approved for gasoline  
and diesel fuels.

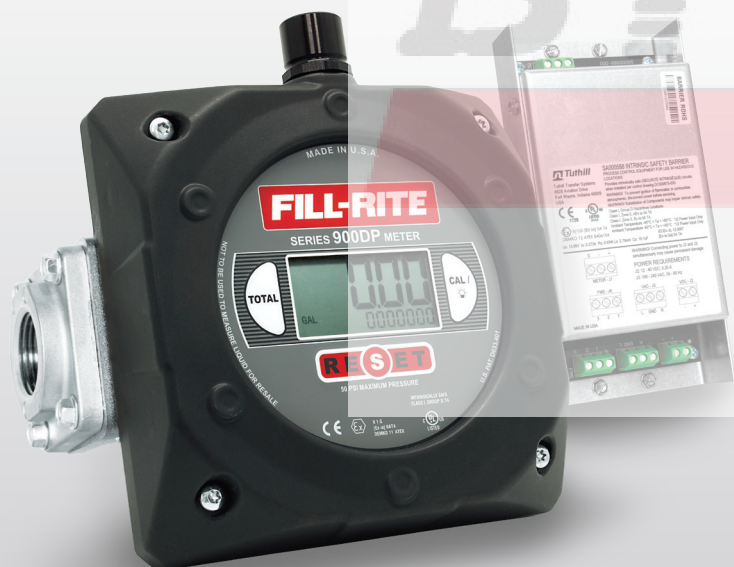
Models with pulser  
and intrinsically safe  
barrier included.



Made in  
  
USA

# INDUSTRY-LEADING DIGITAL METERS

900 Series digital meters from Fill-Rite® are the cutting edge of meter technology. They boast legendary Fill-Rite quality and all the features you need to make your job easier.



## 900CD FEATURES

- Approved for gasoline, diesel, kerosene, mineral spirits, Stoddard solvents, and heptanes.
- Flow rate from 6 to 40 gpm (23 to 151 lpm).
- Accuracy: +/-1.25%.
- Repeatability: +/-0.25% at calibrated flow rate.
- Maximum pressure: 50 psi.
- Operating temperatures from -15° to 140°F (-26° to 60°C).
- Large 3/4", four-digit LCD counter.
- Electronic head is easily removed and rotates every 90 degrees for ease of viewing regardless of configuration.
- Memory backup for protection against AC and/or battery power failures.
- 1" or 1.5" connections (NPT or BSPT)
- Measures in English, metric, and user-defined units.
- Two-year warranty.
- UL Listed.

## 900CDP FEATURES

With a pulser and intrinsically safe barrier included, this meter is approved for gasoline, diesel, kerosene, mineral spirits, Stoddard solvents, and heptanes.

Includes all of the CD features, plus:

- Backlit display for easier viewing in poor lighting.
- AC power with battery backup.
- Operating temperatures with batteries: -15° to 140°F (-26° to 60°C)
- Operating temperatures with external power: -15° to 176°F (-26° to 80°C)
- Wide power input range: 12-40 VDC; .2A and 100-240 VAC, 50-60 Hz\*

\*VIA barrier. Must be secured in an environmentally safe enclosure.

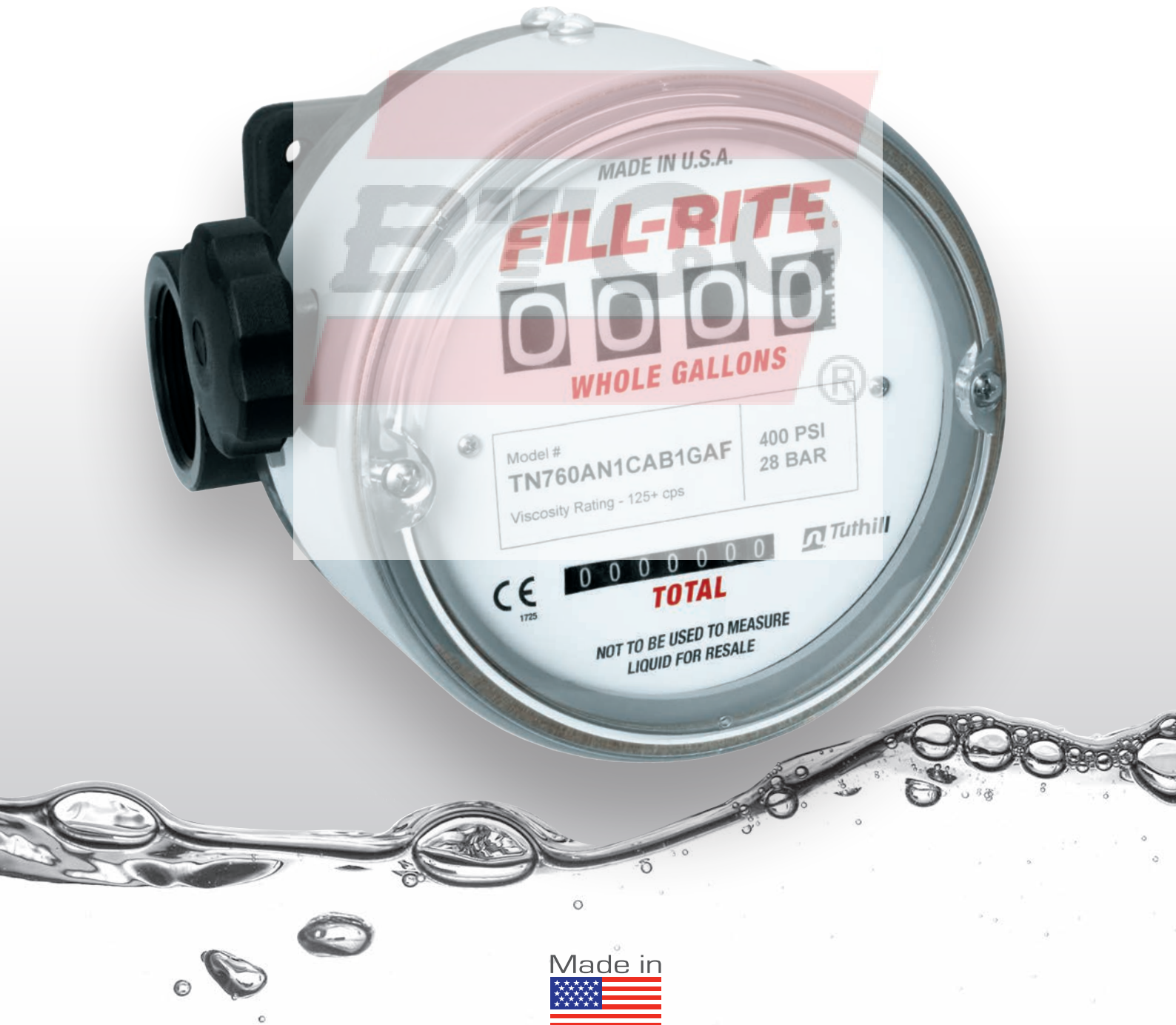
The 900CDP is the ultimate in convenience. It saves you the time and trouble of sourcing a compatible barrier to provide intrinsically safe operation in explosive or combustible atmosphere installations.



# FILL-RITE®

The Most Trusted Name in Pumps and Meters

## IN THE THICK OF IT. FILL-RITE TN METERS.



# RUGGED ACCURACY FOR DEPENDABLE INVENTORY CONTROL.

Fill-Rite TN Meters—15 models in all—provide the perfect solution when you need high pressure to transfer high-viscosity liquids quickly and safely. Incorporating positive-displacement nutating-disc technology, our TN Meters provide a high degree of accuracy in non-custody transfer applications such as inventory control of refined petroleum products and non-corrosive chemicals.

Fill-Rite TN Meters measure flows up to 60 gallons per minute, a viscosity range from 1 to 50,000 cSt, and they can handle temperatures from -40° F to +180° F.

High-pressure versions are available in two model sizes (TN740 and TN760 series) for use in automotive fluid distribution systems, lube trucks, and similar service.

Fill-Rite TN Meters are rugged and versatile, and just like our other Fill-Rite products, made

with the finest materials to ensure reliability and longevity. Fill-Rite—the best value—made right here in the USA.

## Examples of Fill-Rite TN Meters

Contact your Fill-Rite customer service representative for a full list of models, or go to [www.fillrite.com](http://www.fillrite.com)

### Model TN740—1"

1,000 psi (69 bar) for heavy fuel oils, hydraulic oils, and lubricating oils.

### Model TN760—1½"

400 psi (28 bar) for heavy fuel oils, hydraulic oils, and lubricating oils.

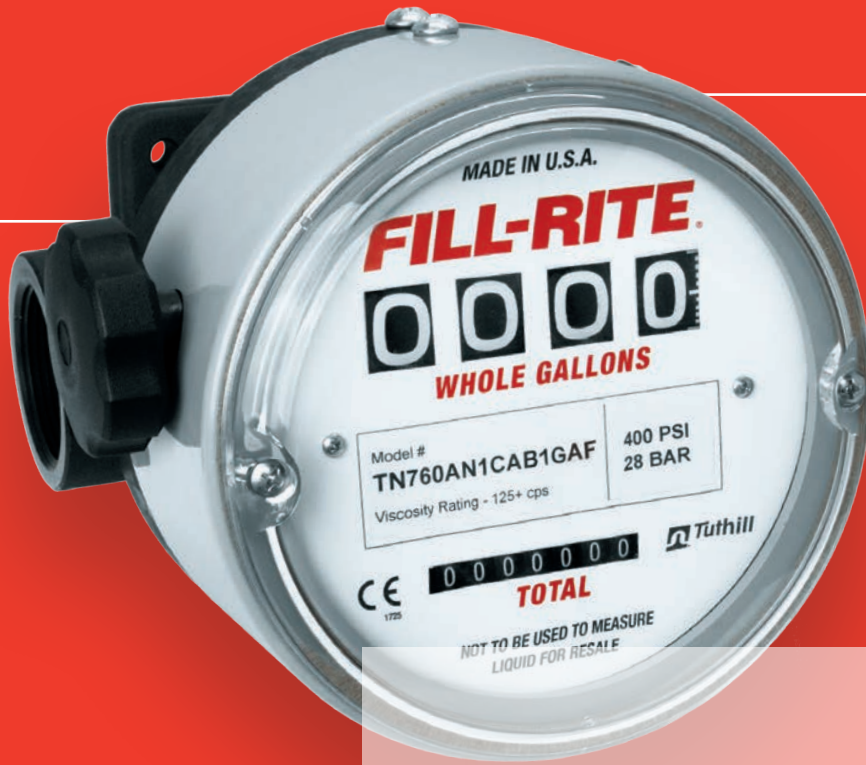
### Model TN860—1½"

150 psi (10 bar) for ALS, biodiesel, diesel, fuel oil No. 2, and kerosene. May also be used to measure non-potable water.

## FLOW & PRESSURE CAPABILITIES

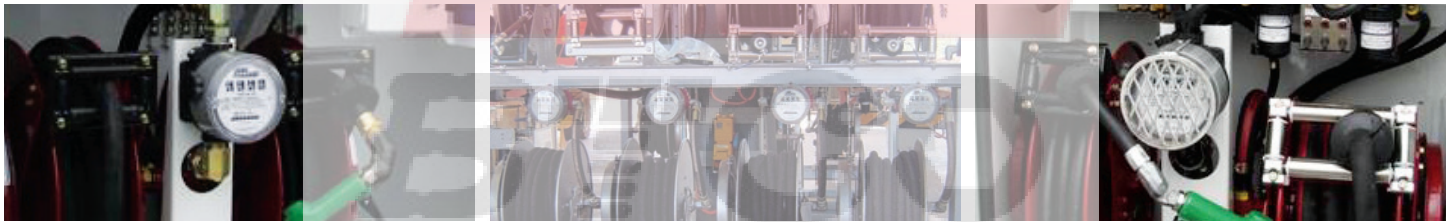
Item number	at 1 cSt		at 5,000 cSt		Pressure (psi)	Pressure (bar)	Size	Threads	Calibration	Seals	Applications	Viscosity
	Flow (GPM)	Flow (LPM)	Flow (GPM)	Flow (LPM)								
TN740AN1CAA1TAI	10	38	4	15.2	1,000	69	1"	NPT	1/10 Gallon	Fluorocarbon	High Viscosity Lubricating Oils	125 + cSt
TN740AN1CAA1LAI	10	38	4	15.2	1,000	69	1"	NPT	Liter	Fluorocarbon	High Viscosity Lubricating Oils	125 + cSt
TN740AN1CBA1LAI	10	38	4	15.2	1,000	69	1"	BSPT	Liter	Fluorocarbon	High Viscosity Lubricating Oils	125 + cSt
TN760AN1CAB1GAF	15	57	6	22.8	400	28	1.5"	NPT	Gallon	Fluorocarbon	High Viscosity Lubricating Oils	125 + cSt
TN760AN1CAB1LAF	15	57	6	22.8	400	28	1.5"	NPT	Liter	Fluorocarbon	High Viscosity Lubricating Oils	125 + cSt
TN760AN1CBB1LAF	15	57	6	22.8	400	28	1.5"	BSPT	Liter	Fluorocarbon	High Viscosity Lubricating Oils	125 + cSt
TN860AN1CAB2GAC	60	228	N/A	N/A	150	10	1.5"	NPT	Gallon	Fluorocarbon	Non-Potable Water	1 - 2 cSt
TN860AN1CAB2LAC	60	228	N/A	N/A	150	10	1.5"	NPT	Liter	Fluorocarbon	Non-Potable Water	1 - 2 cSt
TN860AN1CBB2LAC	60	228	N/A	N/A	150	10	1.5"	BSPT	Liter	Fluorocarbon	Non-Potable Water	1 - 2 cSt
TN860AN1CAB1GAC	55	209	N/A	N/A	150	10	1.5"	NPT	Gallon	Fluorocarbon	Diesel, Biodiesel, Fuel Oil #2, Kerosine, Jet Fuel	3 - 22 cSt
TN860AN1CAB1LAC	55	209	N/A	N/A	150	10	1.5"	NPT	Liter	Fluorocarbon	Diesel, Biodiesel, Fuel Oil #2, Kerosine, Jet Fuel	3 - 22 cSt
TN860AN1CBB1LAC	55	209	N/A	N/A	150	10	1.5"	BSPT	Liter	Fluorocarbon	Diesel, Biodiesel, Fuel Oil #2, Kerosine, Jet Fuel	3 - 22 cSt
TN860AN1CAB2GBC	60	228	N/A	N/A	150	10	1.5"	NPT	Gallon	PTFE	Airline Lavatory Service, Solvents	1 - 2 cSt
TN860AN1CAB2LBC	60	228	N/A	N/A	150	10	1.5"	NPT	Liter	PTFE	Airline Lavatory Service, Solvents	1 - 2 cSt
TN860AN1CBB2LBC	60	228	N/A	N/A	150	10	1.5"	BSPT	Liter	PTFE	Airline Lavatory Service, Solvents	1 - 2 cSt



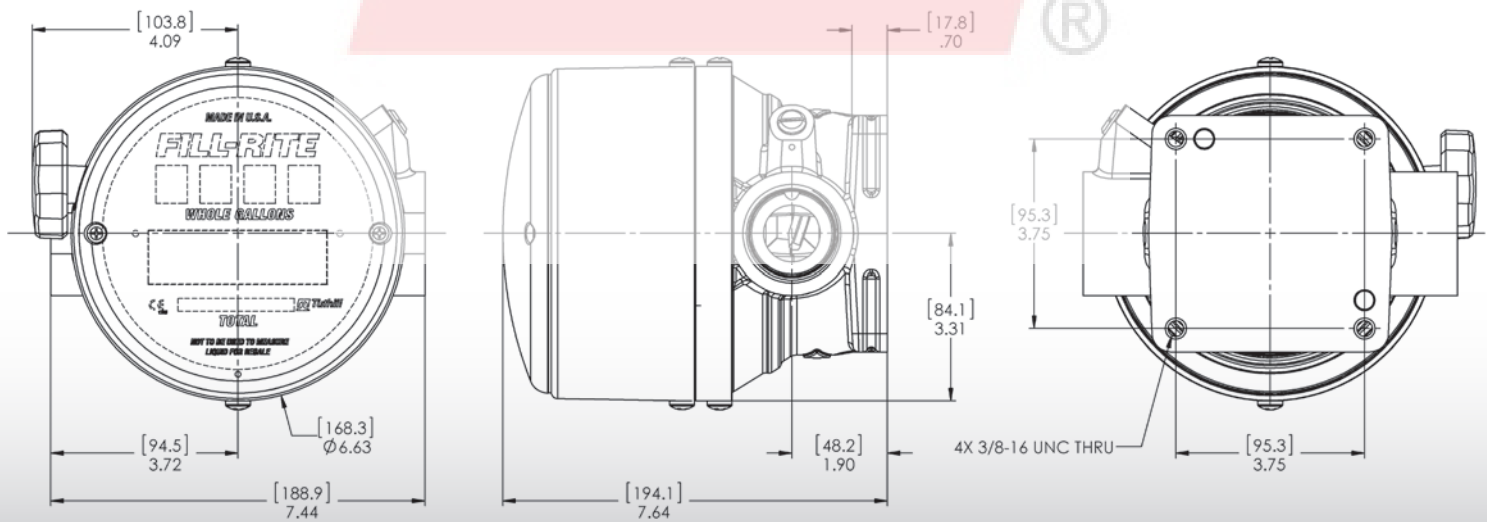


## STANDARD FEATURES

- .5 to 60 gpm (230 lpm) — based on viscosity and temperature for your needs
- PTFE or fluorocarbon seals
- Durable anodized aluminum case with polyphenylene sulfide resin (Ryton) chamber
- Dependable nutating-disc technology
- ± 2% accuracy over a 10:1 turndown
- ± 0.25% repeatability
- Four-wheel display with 11/16" digits
- Totalizer display to 999,999 units
- Displays options in 1/10 gallon or whole gallon or liter
- Available with NPT or BSP ports
- Ambient temperature: -15° F to +180° F (-26° C to +80° C)



## TN METER MEASUREMENTS





## VISCOSITY CAPABILITY

- TN860AN1C\_B1\_AC, calibrated for water (1-2 cSt = 32-35 SSU), with fluorocarbon seals.
- TN860AN1C\_B1\_BC, calibrated for alcohols, solvents, and ALS (1-2 cSt = 32-35 SSU), with PTFE/perfluoroelastomer seals.
- TN860AN1C\_B2\_AC, calibrated for low-viscosity refined fuels (3-22 cSt = 35-100 SSU), with fluorocarbon seals.
- TN760AN1C\_B1\_AF, calibrated for high-viscosity lube and hydraulic oils (125+ cSt = 600+ SSU), with fluorocarbon seals.
- TN740AN1C\_A1\_AI, calibrated for high-viscosity lube and hydraulic oils (125+ cSt = 600+ SSU), with fluorocarbon seals.

Flow meter error when used outside of intended calibration range.

		TN860 OPERATING RANGE				ACTUAL LIQUID VISCOSITY						TN740 AND TN760 OPERATING RANGE					
	SSU	32	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1,000+
	cSt	1	7	22	32	42	52	63	74	85	95	105	125	150	170	195	220+
TN740	GAL.	-20.5%	-16.9%	-14.5%	-8.4%	-7.2%	-4.8%	-3.6%	-2.4%	-2.4%	-1.2%	-1.2%	-1.2%	-1.2%	0.0%	0.0%	0.0%
	LITER	-20.4%	-16.2%	-14.6%	-8.6%	-6.7%	-4.8%	-3.5%	-2.9%	-2.2%	-1.6%	-1.3%	-1.0%	-0.6%	-0.3%	-0.3%	0.0%
TN760	GAL.	-20.5%	-16.9%	-14.5%	-8.4%	-7.2%	-4.8%	-3.6%	-2.4%	-2.4%	-1.2%	-1.2%	-1.2%	-1.2%	0.0%	0.0%	0.0%
	LITER	-20.4%	-16.2%	-14.6%	-8.6%	-6.7%	-4.8%	-3.5%	-2.9%	-2.2%	-1.6%	-1.3%	-1.0%	-0.6%	-0.3%	-0.3%	0.0%
TN860	GAL.	-3.1%	0.0%	2.1%	7.2%	8.2%	10.3%	11.3%	12.4%	12.4%	13.4%	13.4%	13.4%	13.4%	14.4%	14.4%	14.4%
	LITER	-3.6%	0.0%	1.4%	6.6%	8.2%	9.9%	11.0%	11.5%	12.1%	12.6%	12.9%	13.2%	13.4%	13.7%	13.7%	14.0%
TN860	GAL.	0.0%	3.0%	5.0%	10.0%	11.0%	13.0%	14.0%	15.0%	15.0%	16.0%	16.0%	16.0%	16.0%	17.0%	17.0%	17.0%
	LITER	0.0%	3.4%	4.8%	9.8%	11.4%	13.0%	14.0%	14.6%	15.1%	15.6%	15.9%	16.1%	16.4%	16.7%	16.7%	16.9%

= Bypass calibrator can correct for most of the error within this range.



# FILL-RITE®

The Most Trusted Name in Pumps and Meters

## UNPARALLELED PERFORMANCE AND DURABILITY IN AC FUEL TRANSFER PUMPS



**Ideal for fixed location, high volume fuel transfer, and a popular choice with Fuel Management Systems.**

Manufactured from only the highest quality materials like cast iron, sintered bronze, and featuring Buna-N seals, these pumps provide exceptional durability for a wide variety of fuels. Explosion proof motors and UL listed models are your assurance of safety.

Additionally, a complete line of meters and accessories mean you can customize your fuel transfer system. From a simple mechanical meter, a hose, and a manual nozzle all the way up to a digital pulse output meter and ultra high flow automatic nozzle, nothing beats Fill-Rite® fuel transfer equipment.



## FEATURES

- **Cast Iron Construction**
- **30 Minute Duty Cycle**
- **UL/cUL Certified Motor**
- **Gasoline, Diesel, B20, E-15, and Kerosene Compatible**
- **2" NPT Bung Mount**



# FILL-RITE AC FUEL TRANSFER PUMPS



SD602G

## SD600 Series

- 13 GPM**
- 115 Volt**
- 8' Lift
- For use with Skid Tanks
- Excellent choice for light duty applications

SD602G	SD602G
Flow Rate (GPM/LPM)	Up to 13/49
Inlet/Outlet	1" / 3/4"
Horse Power	1/6
Hz	60
Amps	1.5
Included Accessories	Three Piece PVC Suction Pipe, 3/4" x 12' Hose, 3/4" Manual Nozzle

## FR600 Series

- 15 GPM**
- 115 Volt**
- 8' Lift
- For use with Skid Tanks
- For Small Fleets

FR610G	
Flow Rate (GPM/LPM)	Up to 15/57
Inlet/Outlet	1" / 3/4"
Horse Power	1/6
Hz	60
Amps	1.5
Included Accessories	20 - 34 3/4" Steel Telescoping Suction Pipe, 3/4" x 12' Hose, 3/4" Manual Nozzle



FR701V

## FR700 Series - Heavy Duty

- 20 GPM**
- 115 Volt**
- 12' Lift
- For use with Above Ground and Underground Tanks
- For Small Fleets

	FR700V	FR701V	FR701VL	FR710VN	FR711VA
Flow Rate (GPM/LPM)	Up to 20/75	Up to 20/75	Up to 20/75	Up to 20/75	Up to 20/75
Inlet/Outlet	1 1/4" / 3/4"	1 1/4" / 3/4"	1 1/4" / 3/4"	1 1/4" / 1"	1 1/4" / 1"
Horse Power	1/3	1/3	1/3	1/3	1/3
Hz	60	60	60	60	60
Amps	5.5	5.5	5.5	5.5	5.5
Included Accessories	3/4" x 12' Hose, 3/4" Manual Nozzle (For Pump Only order FR700VN)	3/4" x 12' Hose, 3/4" Manual Nozzle, Mechanical Meter (Gal)	3/4" x 12' Hose, 3/4" Manual Nozzle, Mechanical Meter (Liter)	Pump Only	1" x 18' Hose, 1" Ultra Hi Flow Auto Nozzle, Mechanical Meter (Gal)



FR319VB

## FR300 Series - Heavy Duty

- 35 GPM**
- 115/230 Volt**
- Diesel Only
- 18' Lift
- For Large Fleets
- For use with Above Ground and Underground Tanks
- 35% Faster Flow

	FR310VN	FR311VN	FR311VB	FR311VL	FR319VB
Flow Rate (GPM/LPM)	Up to 35/132	Up to 35/132	Up to 35/132	Up to 35/132	Up to 35/132
Inlet/Outlet	1 1/4" / 1"	1 1/4" / 1"	1 1/4" / 1"	1 1/4" / 1"	1 1/4" / 1"
Horse Power	3/4	3/4	3/4	3/4	3/4
Hz	50/60	50/60	50/60	50/60	50/60
Amps	9.8/4.9/11.4/5.7	9.8/4.9/11.4/5.7	9.8/4.9/11.4/5.7	9.8/4.9/11.4/5.7	9.8/4.9/11.4/5.7
Included Accessories	Pump Only	901 Mechanical Meter (Gal)	1" x 12' Hose, 1" Ultra Hi-Flow Auto Nozzle, Mechanical Meter (Gal)	1" x 12' Hose, 1" Manual Nozzle, Mechanical Meter (Liter)	1" x 18' Hose, 1" Ultra High Flow Automatic Nozzle, Digital Meter



# FILL-RITE®

PORTABLE  
SERIES

# RD



## THE MOST VERSATILE DC PUMP AVAILABLE

**THE ONLY  
PORTABLE DC PUMP  
ATEX & IECEx CERTIFIED  
FOR USE WITH PETROL  
AND OTHER FLAMMABLE LIQUIDS**

PROUDLY  
 Made in  
USA

   
1725 ATEX IECEx

**EC-FRIENDLY**  
THIS PUMP DOES THE  
HEAVY LIFTING  
**NO SPILLS!**



**DITCH THE CAN**

**Petrol, Diesel, Handheld, Mounted... It goes where you go.**

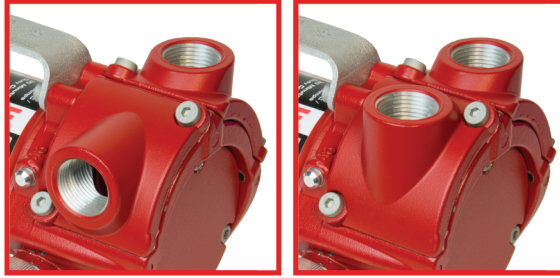


# THE MOST VERSATILE

## DC PUMP AVAILABLE

### Configurable flanges

Position the inlet and outlet hoses to fit your needs. Simply remove two bolts and rotate the flanges.



**Aluminium construction**  
Pump weighs only 3,4 kg.

### Multiple mounting options

Bung mount\*, foot mount or handheld; versatile enough to fit your application.

### Quick connect power cable

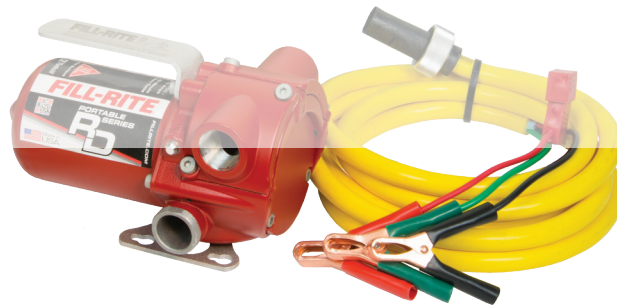
Simple, quick and safe connection to your power source.

\*Bung mount accessories not sold by Fill-Rite



### RD812BN

- BSPP Threads
- 3m Quick connect power cable with battery clips



### Features

- Up to 30 LPM (8 GPM)
- 12 Volt DC
- Petrol, diesel, biodiesel (up to B20), kerosene and E15
- Aluminium construction
- 3/4" inlet/outlet
- Low profile
- Thermally protected
- Self-priming
- 30-Minute duty cycle
- Smooth in-line switch

# FILL-RITE®

## FR1600 PORTABLE

The FR1600 offers excellent value in a portable pump. Designed for use with diesel, windshield washer fluid, antifreeze and light oils, this compact but powerful DC pump delivers up to 38 LPM / 10 GPM and draws only 17 amps. The rugged cast iron body is durable and performs well under demanding conditions.

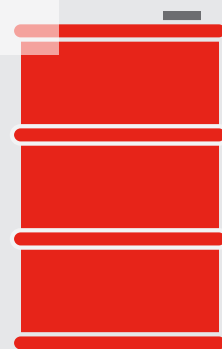


DESIGNED  
ASSEMBLED  
& TESTED IN  
  
USA

BOLTSANDTOOLS



**PERFECT**  
FOR EMPTYING



TANKS AND DRUMS

**DEPENDABLE**  
**PORTABLE**  
DIESEL FUEL TRANSFER



# FR1600

# DEPENDABLE PORTABLE DIESEL FUEL TRANSFER



### Easy Carry Handle

### Durable Cast Iron Construction

### Self-Priming

Makes moving from tank to tank quick and easy



### 2,4 Metre Suction Hose

With strainer to prevent contaminants from entering the pump

### 2 Metre Power Cable

Simple, quick and safe connection to your power source.

## Two Options

### FR1612 Pump Only Includes

- 2m Cable with Battery Clips
- Hose Barbs



### FR1614 Pump with Hoses and Nozzle Includes

- Manual nozzle
- 2,4m Discharge hose
- 2,4m Suction hose
- Hose Barbs
- 2m Cable with Battery Clips
- Strainer Inlet



## FR1600 Pump Features

- Up to 30 LPM (10 GPM)
- 12 Volt DC
- Diesel, Antifreeze, and Light Oils
- Cast Iron construction
- 3/4" inlet/outlet
- Self-priming
- 30-Minute duty cycle



# FILL-RITE®

The Most Trusted Name in Pumps and Meters

## THE LEGEND CONTINUES DC FUEL TRANSFER PUMPS

Fill-Rite® DC powered pumps provide the flexibility and power to handle even your most difficult applications.

DC power means mobility. Whether you mount the pump on a skid tank, in a truck bed, or install it on a large bulk tank at a remote construction site, a Fill-Rite G-series DC pump delivers high flow and rugged dependability. It also means flexibility since Fill-Rite DC pumps are available in 12 and 24 volt DC models.

Manufactured from only the highest quality materials like cast iron, sintered bronze, powdered iron, and Buna-N seals, these pumps provide exceptional durability, and the ability to pump a wide variety of fuels. Explosion proof motors and UL listed models are your assurance of safety.

Additionally, a complete line of meters and accessories mean you can customize your fuel transfer system to meet your specific needs. From a simple mechanical meter, a hose, and a manual nozzle all the way up to a digital pulse output meter and ultra high flow automatic nozzle, nothing beats Fill-Rite fuel transfer equipment.



## FEATURES

- **Cast Iron Housing Construction**
- **30 Minute Duty Cycle**
- **UL/cUL Certified Motor (exception FR1614)**
- **Gasoline, Diesel, B20,E-15, and Kerosene, Compatible**



# FILL-RITE MOBILE DC FUEL TRANSFER PUMPS



SD1202G

## SD1200 Series

- For In-Bed Truck and Small Mobile Tanks
- Great Emergency Pump

	SD1202G
Flow Rate (GPM/LPM)	Up to 13/49
Voltage	12 Volt
Inlet/Outlet	1"/3/4"
Horse Power	1/4
Amps	20
Included Accessories	15 1/4" - 43 1/4" PVC Two Piece Suction Pipe, 3/4" x 10' Hose, 3/4" Manual Nozzle (For 3/4" Automatic Nozzle order SD1202GA)

## FR1600 Series

- Extremely Portable
- Diesel Only
- For Drums and Totes

	FR1614
Flow Rate (GPM/LPM)	Up to 10/38
Voltage	12 Volt
Inlet/Outlet	3/4" / 3/4"
Horse Power	1/4
Amps	20
Included Accessories	8' PVC Suction Hose, 3/4" x 8' Hose, 3/4" Manual Poly Nozzle (For Pump Only order FR1612)

## FR2400 Series - Heavy Duty

- 15 GPM** • For 24 Volt Battery Applications
- 24 Volt** • For Mobile Tanks used in Farming and Construction

	FR2410G	FR2411GL
Flow Rate (GPM/LPM)	Up to 15/57	Up to 15/57
Voltage	24 Volt	24 Volt
Inlet/Outlet	1"/3/4"	1"/3/4"
Horse Power	1/4	1/4
Amps	10	10
Included Accessories	20 - 34 3/4" Steel Telescoping Suction Pipe, 3/4" x 12' Hose, 3/4" Manual Nozzle	20 - 34 3/4" Steel Telescoping Suction Pipe, 3/4" x 12' Hose, 3/4" Manual Nozzle, Mechanical Meter (L)



FR1210GA

## FR1200 Series - Heavy Duty

- 15 GPM** • 8' Lift
- 12 Volt** • For In-Bed Truck Tanks
- For Mobile Tanks used in Farming and Construction
- Great Emergency Response Pump

	FR1204	FR1210G	FR1210GA	FR1211G	FR1211GL
Flow Rate (GPM/LPM)	Up to 15/57	Up to 15/57	Up to 15/57	Up to 15/57	Up to 15/57
Inlet/Outlet	1"/3/4"	1"/3/4"	1"/3/4"	1"/3/4"	1"/3/4"
Horse Power	1/4	1/4	1/4	1/4	1/4
Amps	20	20	20	20	20
Included Accessories	Pump Only	20 - 34 3/4" Steel Telescoping Suction Pipe, 3/4" x 12' Hose, 3/4" Manual Nozzle	20 - 34 3/4" Steel Telescoping Suction Pipe, 3/4" x 12' Hose, 3/4" Auto Noz	20 - 34 3/4" Steel Telescoping Suction Pipe, 3/4" x 12' Hose, 3/4" Manual Nozzle, Mechanical Meter (Gal)	20 - 34 3/4" Steel Telescoping Suction Pipe, 3/4" x 12' Hose, 3/4" Manual Nozzle, Mechanical Meter (L)



FR4210G

## FR4200 Series - Heavy Duty

- 20 GPM** • 25% Higher Flow
- 12 Volt** • 8' Lift
- For In-Bed Truck Tanks and Mobile Tanks
- Great Emergency Response Pump

	FR4204G	FR4210G	FR4211G
Flow Rate (GPM/LPM)	Up to 20/75	Up to 20/75	Up to 20/75
Inlet/Outlet	1"/1"	1"/1"	1"/1"
Horse Power	1/4	1/4	1/4
Amps	19	19	19
Included Accessories	Pump Only	20 - 34 3/4" Steel Telescoping Suction Pipe, 1" x 12' Hose,	20 - 34 3/4" Steel Telescoping Suction Pipe, 1" x 12' Hose, 1" Manual Nozzle,

## FR3200 Series - Heavy Duty

- 25 GPM** • Highest Flow DC Pump in the Industry
- 12 Volt** • For Remote Fueling of Large Ag and Construction Equipment

	FR3204	FR3210B
Flow Rate (GPM/LPM)	Up to 25/95	Up to 25/95
Inlet/Outlet	1"/1 1/4"	1"/1 1/4"
Horse Power	1/2	1/2
Amps	50	50
Included Accessories	Pump Only	1" Ultra High Flow Auto Nozzle, 1" x 18' Hose