

2018 Full-Line Product Catalog





THE MOST TRUSTED NAME IN PUMPS AND METERS.

This statement is at the core of our brand promise. We work each day to make great products even better, and introduce new technologies to make fuel transfer easier, faster, and safer. Because of this, our bright red pumps are found on more farms and job sites around the world than any other brand.

Over the past few years we have introduced the industry's first UL listed portable fuel transfer pump for gasoline. We also brought you the industry's first DC, continuous duty fuel transfer pump, and with it, introduced nextec IntelligenceTM.

While nobody can predict the future, you can trust Fill-Rite and Tuthill to continue to lead the field in design and technology advancements. We can hardly wait to show you what we have planned for 2018 and beyond.

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TUTHILL CORPORATION IS A PRIVATELY HELD GLOBAL MANUFACTURER OF INDUSTRIAL GOODS SPECIALIZING IN ROTATING EQUIPMENT SUCH AS PUMPS, METERS, VACUUM SYSTEMS AND BLOWERS.

From heavy oils to motor fuels, from tomato paste to process gasses, from standard pressures to deep vacuums, we move it and measure it with reliability that's measured in decades. And that's only part of our story. The rest of our story lives within our people. Our Conscious Company culture attracts and supports the kind of people who understand what our customers want and what they need - the kind of people who listen well and gain trust by following through on each and every commitment they make.

Customers who demand excellence are a gift to us, for it is through their reminders and their encouragement that we will one day grow to be counted among the world's Top 1% industrial companies.





OUR PURPOSE

WAKE THE WORLD

We invite a powerful aliveness. We make space for hearts - the original pumps - to thrive. When we come alive, the world comes along.

OUR VISION

A LEGION OF LIKE-HEARTED PEOPLE WITH ASTOUNDING IMPACT.

An ingenious company supporting flourishing families and spirited communities

OUR MISSION

MAKING REAL THINGS THAT REALLY MAKE A DIFFERENCE.
From our hearts to our heads to our hands, we dare to make better.

OUR WAY

LIVING OUR COMMON VALUES. CREATING THE UNCOMMON.

A life full of curiosity, clarity, grit, grace, gratitude, and love.

OUR BRAND

IT'S WHO WE ARE, WHAT WE DO, AND WHAT WE SAY. It all starts with me. Here. Now.



ALL OF US ARE BORN WITH A PUMP INSIDE: OUR HEARTS. AS CHILDREN, THIS ORIGINAL PUMP FUELED OUR DREAMS AND OUR CREATIONS. AS ADULTS, OUR HEARTS CONTINUE TO THUMP, BUT ARE THEY TRULY THRIVING? AT OUR CORE, THE ENERGY IS STILL THERE. WE YEARN TO RELEASE IT – TO OPEN OUR EYES WIDER, REACH OUR ARMS OUT FARTHER, AND DO WHAT MAKES OUR HEARTS BEAT FASTER.

Tuthill has always been a company with heart. In our early days, we made the bricks that helped make Chicago, relying on horses to carry the clay. Some days, the heat and haul were too much for their hearts — and ours — to bear. So we created an oil pump to power a truck, saving our four-legged friends and laying the foundation for our future.

Today, we make pumps, blowers, and vacuums, daring to make them better every day. But the original pump — the heart — is still at our company's core. We're on a journey to become a Conscious Company, inviting the entire Tuthill community to come alive in everything we believe, say, and create. And we're extending that invitation beyond our walls. To have a seismic impact on our world, all hearts are vital. When our hearts are awake, our energy is contagious, and we make ripples that can move millions. The world needs people who are alive from the heart. Because when we come alive, the world comes along.



NEW! 12-24V DC Continuous Duty* For Gasoline / Diesel / B20 / E-15 / Kerosene



NX3200 Series Premium Continuous Duty*

Flow 25 GPM (95 LPM)

1 1/4" inlet | 1" outlet 2" NPT or BSPT tank mount, or foot mount Cast iron pump housing

1/3 HP motor | Rated to -40°F/-40°C Continuous duty for fuel transfer 30 amp draw 14' lift (diesel)



Included Accessories

20' removable power cord | 35A fuse w/heavy duty holder | Elbow

NX3204	N	No accessories	

NX3204F No accessories - foot mount configuration (*Pictured right*)

NX3210B N Ultra high flow automatic nozzle (truck stop spout), 18' hose

NX3210FB N Ultra high flow automatic nozzle (truck stop spout), 18' hose - foot mount configuration

Included Accessories

6 m CE certified removable power cord

NX3205E B Pump only w/power cord

NX3205FE B Pump only w/power cord - foot mount configuration





THE FUTURE OF FUEL TRANSFER IS HERE.

PREDICTS. PROTECTS. PERFORMS.

- ✓ CONTINUOUS DUTY -Transfer fuel all day*
- ✓ 12 TO 24V DC -Accepts a range of DC Power
- **✓ INTELLIGENT TONES Indicate** where attention is needed
- ✓ LOWER AMP DRAW -Save battery power and pump life
- ✓ LIGHTER Great for mobile tanks, even aluminum
- ✓ AUTO POWER DOWN -After 20 minutes of inactivity
- ✓ MAGNETIC SWITCH -Smooth and field replaceable
- ✓ REMOVABLE POWER CORD -Convenient and safe
- **✓ IMPROVED SUCTION LIFT Variable** speed motor adjusts to load

nextec IntelligenceTM is an exclusive array of design advancements, technologies and user functionalities that take pump performance to unprecedented levels. Intelligent Tones Inform when attention is needed. A variable speed motor automatically adjusts for peak performance with improved suction lift. More compact, lighter, and less amp draw—it sets a new standard for efficiency.



*Rated Continuous duty for fuel transfer





12V Mobile DC Transfer Pumps

For Gasoline / Diesel / B20 / E-15 / Kerosene



FR4200 Series Heavy Duty

Flow 20 GPM (76 LPM)

1" inlet | 1" outlet 2" NPT or BSPT tank mount Cast iron pump housing

1/4 HP motor | 19 amp draw 30-minute duty cycle 6.5' suction lift (diesel)



Included Accessories

12' hose | 18' 12-gauge 2-wire battery cable | 5' ground wire | Telescoping steel suction pipe 20" to 34 1/2" | Elbow

FR4204G	N	Pump, ground wire, elbow, and cable only
FR4210G	N	Manual nozzle
FR4210GB	N	Ultra high flow automatic nozzle (truck stop spout)
FR4211G	N	Manual nozzle, 901C gallon meter
FR4211GL	N	Manual nozzle, 901CL liter meter
FR4219G	N	Manual nozzle, TT10AN meter
FR4210GBFQ	N	18' hose, Ultra high flow automatic nozzle (truck stop spout), 25' 10-gauge 2-wire battery cable with clamps, 30 micron particulate filter, Filter head with hardware
FR4210GARC	NA	Arctic 20' Hose, Automatic arctic nozzle (leaded spout/blue cover), 1" multiplane swivel, 4200F9111 nozzle hook

Included Accessories

3.6 m Hose | 5.5 m 3-wire battery cable | 1.5 m ground wire with clip | Telescoping steel suction pipe 51-88 cm

FR4205GE	В	1" BSPP discharge, 1" BSPP suction port, 2" BSPT tank mount
FR4210GE	N	Manual nozzle
FR4210GEB	N	Ultra high flow automatic nozzle (truck stop spout)
FR4211GE	N	Manual nozzle, 901C gallon meter
FR4211GEL	N	Manual nozzle, 901CL liter meter
FR4211GEBL	N	Ultra high flow automatic nozzle (truck stop spout), 901CL liter meter (Pictured right)
FR4211GEBL	N	Ultra high flow automatic nozzle (truck stop spout), 901CL liter meter (Pictured right)



FR1200 Series Heavy Duty

Flow 15 GPM (57 LPM)

1" inlet | 3/4" outlet 2" NPT or BSPT tank mount Cast iron pump housing

1/4 HP motor | 20 amp draw 30-minute duty cycle 6.5' suction lift (diesel)



Included Accessories

12' hose | 18' 12-gauge 2-wire battery cable | 5' ground wire | Telescoping steel suction pipe 20" to 34 1/2" | Elbow

	No accessories
N	Manual nozzle
N	Automatic nozzle (unleaded spout/red cover)
N	Automatic nozzle (leaded spout/green cover)
N	Manual nozzle, 807C gallon meter
N	Manual nozzle, 807C liter meter
N	Manual nozzle, TT10AN meter (Pictured right)
NA	Arctic 15' Hose, Automatic arctic nozzle (leaded spout/blue cover), 3/4" multiplane swivel
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Included Accessories

3.6 m Hose | 5.5 m 3-wire battery cable | 1.5 m ground wire with clip | Telescoping steel suction pipe 51-88 cm

FR1205GE	В	3/4" BSPP discharge, 1" BSPP suction port, 2" BSPT tank mount		
FR1210GE	N	Manual nozzle		
FR1210GEA	N	Automatic nozzle (unleaded spout/red cover)		
FR1211GE	N	Manual nozzle, 807C gallon meter		
FR1211GEL	N	Manual nozzle, 807C liter meter (Pictured right)		
FR1211GELA	N	Automatic nozzle (unleaded spout/red cover), 807C liter meter		



SD1200 Series Standard Duty

Flow 13 GPM (49 LPM)

1" inlet | 3/4" outlet 2" NPT tank mount Cast iron pump housing 1/4 HP motor | 20 amp draw 30 minute duty cycle



Included Accessories

10' hose | 15' 12-gauge 2-wire battery cable | 5' ground wire | 2-piece suction pipe 15 1/4" to 29 1/4" | Elbow

SD1202G	N	Manual nozzle (Pictured below)
SD1202GA	N	Automatic nozzle (unleaded spout/red cover)









12V Portable DC Transfer Pumps For Gasoline / Diesel / B20 / E-15 / Kerosene

For Gasoline / Diesel / B20 / E-15 / Kerosene





CONFIGURABLE FLANGES

Position the inlet and outlet hoses to fit your needs. Remove two bolts and rotate the flange.



QUICK CONNECT POWER CORD

Simple, quick and safe connection to your power source.



MULTIPLE MOUNTING OPTIONS

FILL-PITE

Bung mount, foot mount,

or handheld; versatile enough to fit your application.



RD Portable Series Heavy Duty

Flow 12 GPM (45 LPM)

3/4" inlet | 3/4" outlet Multiple mounting options 1/6 HP motor | 14 amp draw 30-minute duty cycle

Aluminum construction



3/4" x 8' discharge hose 6' suction hose 10' quick connect power cord with battery clips

RD1212NN N Power cord and pump only **RD1212NH N** Manual nozzle (*Pictured below*)

RD1212NP N Manual nozzle, 23"-41" Telescoping suction tube, Nozzle boot, Bung mount tank adapter



4.5 m quick connect power cord with battery clips

RD1212BN B Power cord and pump only

Flow 8 GPM (30 LPM)

3/4" inlet | 3/4" outlet Multiple mounting options Aluminum construction

1/6 HP motor | 14 amp draw

30-minute duty cycle

Included Accessories

5/8" x 8' discharge hose | 6' suction hose | 10' quick connect power cord with battery clips

RD812NN N Power cord and pump only **RD812NH N** Manual nozzle (*Pictured right*)

RD812NP N Manual nozzle, 23"-41" Telescoping suction tube, Nozzle boot, Bung mount tank adapter

Included Accessories

4.5 m quick connect power cord with battery clips

RD812BN B Power cord and pump only

1600 Series Standard Duty

Compatible with Diesel fuels only

1/5 HP motor | 17 amp draw 3/4" inlet | 3/4" outlet Cast iron pump housing 30-minute duty cycle

Included Accessories

Flow 10 GPM (38 LPM)

6' 12-gauge 2-wire battery cable with clips and 30 amp fuse

FR1612 N No accessories (Pictured right)

FR1614 N Plastic nozzle, 8' PVC suction and discharge hoses, Inlet strainer, 2 Hose barbs, 4 Hose clamps

FR1616 N Plastic nozzle, 21"-38 1/2" Poly telescoping suction pipe, 8' Discharge PVC hose, 1 Hose barb, 2 Hose clamps





















24V DC Mobile Transfer Pumps

For Gasoline / Diesel / B20 / E-15 / Kerosene

FR2400 Series Heavy Duty

Flow 15 GPM (57 LPM)

1" inlet | 3/4" outlet 2" NPT or BSPT tank mount Cast iron pump housing

1/4 HP motor | 10 amp draw 30-minute duty cycle 6.5' suction lift (diesel)





Included Accessories

12' hose | 18' 12-gauge 2-wire battery cable | 5' ground wire | Telescoping steel suction pipe 20" to 34 1/2" | Elbow

FR2404G	N	Pump only system w/cable and ground wire
FR2410G	N	Manual nozzle
FR2411G	N	Manual nozzle, 807C gallon meter (Pictured right)
FR2411GL	N	Manual nozzle, 807C liter meter

Included Accessories

5.5 m 3-wire battery cable 1.5 m ground wire with clip

FR2405GE	В	3/4" BSPP discharge, $1"$ BSPP suction port, $2"$ BSPT tank mount
FR2410GE	N	Manual nozzle
FR2410GEA	N	Automatic nozzle (unleaded spout/red cover)



FR4400 Series Heavy Duty

Flow 20 GPM (76 LPM)

1" inlet | 1" outlet 2" NPT or BSPT tank mount Cast iron pump housing

1/4 HP motor | 13 amp draw 30-minute duty cycle 6.5' suction lift (diesel)



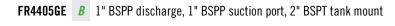
Included Accessories

12' hose | 18' 12-gauge 2-wire battery cable | 5' ground wire | Telescoping steel suction pipe 20" to 34 1/2" | Elbow



Included Accessories

5.5 m 3-wire battery cable | 1.5 m ground wire with clip







115V AC Fixed Transfer Pumps

For Gasoline / Diesel / B20 / E-15 / Kerosene



FR600 Series Heavy Duty

Flow 15 GPM (57 LPM)

1" inlet | 3/4" outlet 2" NPT or BSPT tank mount Cast iron pump housing

1/6 HP motor | 2 amp draw 30-minute duty cycle 6.5' suction lift (diesel)



Included Accessories

12' hose | Telescoping steel suction pipe 20" to 34 1/2" | Elbow

FR604G	N	Pump only with elbow
FR610G	N	Manual nozzle
FR610GA	N	Automatic nozzle (unleaded spout/red cover) (Pictured right)

Included Accessories

5.5 m 3-wire battery cable 1.5 m ground wire with clip

FR604GE B 3/4" BSPP discharge, 1" BSPP suction port, 2" BSPT tank mount



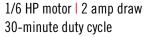
Flow 13 GPM (49 LPM)

1" inlet | 3/4" outlet 2" NPT tank mount Cast iron pump housing

Included Accessories

12' hose | 5' ground wire | Telescoping steel suction pipe 20" to 34 1/2" | Elbow

SD602G N Manual nozzle















115/230V AC Fixed Transfer Pumps

For Gasoline / Diesel / B20 / E-15 / Kerosene



FR300 Series Heavy Duty

Flow 35 GPM (132 LPM)

1 1/4" inlet | 1" outlet 2" NPT or BSPT tank mount Cast iron pump housing

3/4 HP motor | Anti-siphon ready 30-minute duty cycle 18' suction lift (diesel)





Included Accessories

2" bung adapter | Check valve | Pressure relief valve | Strainer | Elbow

FR300VN	N	No accessories (20 GPM/75 LPM, 1/2 HP motor)
FR303V	N	For use with AST remote pumps (20 GPM/75 LPM, 1/2 HP motor)
FR310VARC	NA	20' arctic hose, Automatic arctic nozzle (unleaded spout/blue cover)
FR310VB	N	18' hose, Ultra high flow automatic nozzle (truck stop spout)
FR310VN	N	No accessories
FR311VB	N	18' hose, Ultra high flow automatic nozzle (truck stop spout), 901C gallon mechanical meter
FR311VLB	N	18' hose, Ultra high flow automatic nozzle (truck stop spout), 901CL liter mechanical meter
FR311VN	N	Pump only with 901C gallon mechanical meter
FR311VLN	N	Pump only with 901CL liter mechanical meter
FR313V	N	For use with AST remote pumps (DIESEL ONLY SYSTEM)
FR319VB	N	18' hose, Ultra high flow automatic nozzle (truck stop spout), 900CD digital meter
FR319VBP	N	18' hose, Ultra high flow automatic nozzle (truck stop spout), 900CDP digital meter with integrated pulse output

Included Accessories

2" bung adapter | Check valve | Pressure relief valve | Strainer | Elbow

FR310VEN	N	No accessories
FR311VELN	В	901CL liter mechanical meter
FR310VEMN	В	No accessories
FR311VELMN	В	901CL liter mechanical meter





115-230V AC Fixed Transfer Pumps

For Gasoline / Diesel / B20 / E-15 / Kerosene

FR700 Series Heavy Duty

Flow 20 GPM (75 LPM)

1 1/4" inlet | 3/4" outlet 2" NPT or BSPP tank mount Cast iron pump housing

Anti-siphon ready 30-minute duty cycle 15' suction lift (diesel)



Included Accessories

12' hose | 2" bung adapter | Check valve | Pressure release valve | Strainer | Elbow

FR700V	N	115V AC power, Manual nozzle				
FR700VA	N	115V AC power, Automatic nozzle (unleaded spout/red cover)				
FR700VARC	NA	115V AC power, 15' arctic hose, Automatic arctic nozzle (unleaded spout/blue cover), 3/4" multi-plane swivel				
FR700VG	N	220V AC power, Manual nozzle				
FR700VN	N	115V AC power, No accessories				
FR701V	N	115V AC power, Manual nozzle, 807C gallon mechanical meter				
FR701VA	N	115V AC power, Automatic nozzle (unleaded spout/red cover), 807C gallon mechanical meter				
FR701VG	VG // 220V AC power, Manual nozzle, 807C gallon mechanical meter					
FR701VGL	N	220V AC power, Manual nozzle, 807CL liter mechanical meter				
FR701VL	1VL N 115V AC power, Manual nozzle, 807CL liter mechanical meter					
FR710VB	N	115V AC power, Ultra high flow automatic nozzle (truck stop spout), 1" outlet				
FR710VN	N	115V AC power, 1" outlet, No accessories				
FR711VA	N	115V AC power, 1" outlet, Ultra high flow automatic nozzle (truck stop spout), 901C gallon mechanical meter, 18' hose				
FR711VLA	N	115V AC power, 1" outlet, Ultra high flow automatic nozzle (truck stop spout), 901CL liter mechanical meter, 18' hose				
FR711VBD	N	115V AC power, 1" outlet, Ultra high flow automatic nozzle (truck stop spout), 900CD digital meter				
FR713V	N	115V AC power, for use with AST remote dispensers				

Included Accessories

3.6 m hose | 2" bung adapter | Check valve | Pressure relief valve | Strainer | Elbow

FR700VE	N	230V AC power, Manual nozzle				
FR701VEL	N	230V AC power, Manual nozzle, 807CL liter mechancial meter				
FR705VE	В	230V AC power, No accessories				
FR705VEL	В	230V AC power, Pump only with 807CL liter mechanical meter				
FR713VE	N	230V AC power, for use with AST remote pumps				







For Gasoline / Diesel / B20 / E-15 / Kerosene

1/3 HP Motor

30-minute duty cycle

Anti-siphon ready

Cabinet Pump Systems

Flow 15 **GPM** (57 **LPM**) 1 1/4" inlet | 3/4" outlet 2" NPT or BSPT tank mount

Cast iron pump housing

Included Accessories

Nozzle boot | Nozzle retainer

FR702VR / 115V AC, 60 Hz, Manual nozzle, 12' hose, 807C gallon meter

FR702VRU N 115V AC, 60 Hz, 807C gallon meter (Pictured right)

FR702VRGU N 220V AC, 50/60 Hz, 807C gallon meter

FR702VRLU N 115V AC, 60 Hz, 807CL liter meter

FR702VELRU B 220V AC, 50 Hz, 807CL liter meter





Cabinet Meter Systems

Flow 40 GPM (151 LPM)

1" inlet | 1" outlet Built-in junction box Cast iron pump housing



For use with 300 of 700 remote pumps Can be used with submersible pumps

Included Accessories

FR901CR* // 901C gallon meter

FR902CLR* N 901CL liter meter (*Pictured right*)

FR901CRU N 115V AC solenoid valve, 901C gallon meter

FR902CLRU N 115V AC solenoid valve, 901CL liter meter



*Non-UL

Cabinet Pedestal Systems

Flow varies per system

50 psi / 3.4 bar 1" outlet

Cast iron pump housing



Included Accessories

Nozzle boot | Nozzle retainer | Pedestal kit

FR902DPU N 40 GPM (151 LPM), 900CDP digital meter, 115V AC solenoid valve, Hammer arrestor (Pictured above)

FR302DPU N 26 GPM (98 LPM), 900CDP digital meter, 300 series pump, Hammer arrestor (DIESEL ONLY SYSTEM)

FR910PM* N 4-40 GPM (15-151 LPM), TS10A oval gear meter, MID:COM electronic display, 115V AC solenoid valve, Hammer arrestor

FR102PHU N 115V AC solenoid valve

*Non-UL. Pedestal kit not included



Piston Hand Pumps

20 Gallons/100 Strokes

1" inlet | 3/4" outlet 2" NPT bung mount

Cast aluminum housing 47" suction lift (diesel)



Included Accessories

Vacuum breaker | Telescoping steel suction pipe 20" to 34 1/2"

FR150	N	Pump only w/ vacuum breaker
FR151	N	Pail spout
FR152	N	Nozzle spout, 8' hose (Pictured right)
FR156	N	807C gallon meter, Nozzle spout, 8' hose

11 Ounces/1 Stroke

1" inlet | Spout outlet 2" NPT bung mount



Included Accessories | Fluid Compatibility | Materials of Construction

FR20V	N	Polypropylene telescoping suction pipe 19 3/4" to 35 1/2" Light oils, anti-freeze, coolant, hydraulic oils Polypropylene housing					
SD11	SD11 N Pail spout, No drip valve, Telescoping steel suction pipe 20" to 34 1/2" Light oils, antifreeze, hydraulic fluid, diesel, k						
		Steel housing					

Rotary Hand Pumps

10 Gallons/100 Revolutions

1" inlet | 3/4" outlet 2" NPT bung mount

Cast aluminum housing 47" suction lift (diesel)



Included Accessories

Vacuum breaker | Telescoping steel suction pipe 20" to 34 1/2"

FR110 / Pump only w/ vacuum breaker			
FR112 // Nozzle spout, 8' hose FR112C // Gallon counter, Nozzle spout, 8' hose			
			FR112CL // Liter counter, Nozzle spout, 8' hos
FR113	N	Pail spout	











Rotary Hand Pumps continued

7.5 Gallon/100 Strokes

3/4" inlet | Spout outlet 2" NPT bung mount

Cast iron housing



Included Accessories

Compatible with diesel, kerosene, machine oil, fuel oil, petroleum products

SD62 N Pail spout, 3-piece steel suction pipe 13" to 39"



Accessories

For Gasoline / Diesel / B20 / E-15 / Kerosene

Hoses

Internal spring guard Stainless steel ground wire Fuel-resistant Neoprene exterior Suitable for all electric pumps

Available in 1" and 3/4" NPT

1" Models

FRH10012	N	12' 3.6 m
FRH10014	N	14' 4.3 m
FRH10020	N	20' 6 m
FRHA10020	NA	20' 6 m (Rated to -40°F/-40°C)

3/4" Models

FRH07512	N	12' 3.6 m (Pictured right)
FRH07514	N	14' 4.3 m
FRH07520	N	20' 6 m

FRHA07515 *NA* 15' 4.6 m (*Rated to -40°F/-40°C*)

UL listed Models



700F3135 N 3/4" x 12' | 1.9 cm x 3.6 m



Available in 1" and 3/4" NPT Suitable for all electric pumps Compatible with gasoline and diesel

F4030PM0	N	Particulate Up to 40 GPM (151 LPM) 50 PSI (3.4 bar) 30 Micron
F4010PM0	N	Particulate Up to 40 GPM (151 LPM) 50 PSI (3.4 bar) 10 Micron
F1810PM0	N	Particulate Up to 18 GPM (68 LPM) 50 PSI (3.4 bar) 10 Micron
F1810PM1	N	Particulate w/ drain Up to 18 GPM (68 LPM) 50 PSI (3.4 bar) 10 Micron
F1810HM0	N	Hydrosorb Up to 18 GPM (68 LPM) 50 PSI (3.4 bar) 10 Micron
F1810PC1	N	Particulate w/ drain Up to 18 GPM (68 LPM) 50 PSI (3.4 bar) 10 Micron
F1810HC1	N	Aqua w/ drain Up to 18 GPM (68 LPM) 50 PSI (3.4 bar) 10 Micron
1210KTF7019	N	F1810HM0 filter w/ 1200KTG9075 filter head kit

1200KTF7018 N F1810PM0 filter w/ 1200KTG9075 filter head kit

KIT300FA N F4030PM0 filter w/ 700ACC7017 filter head kit (*Pictured right*)

Filter Heads









Nozzles

Viton seals and O-rings Integral hanging hook

UL LISTED NOZZLES

FILL-RITE.

50 PSI | 3.4 bar Rated to -20°F/-28°C Available in 1" and 3/4" NPT



1" Ultra High Flow Automatic Nozzles

Compatible with gasoline, diesel, E15, biodiesel to B20, and kerosene.

N100DAU13	N	Red cover 5-40 GPM (19-150 LPM) (Pictured right)
N100DAU13G	N	Green cover 5-40 GPM (19-150 LPM) (Pictured right)
N100DAU13Y	N	Yellow cover 5-40 GPM (19-150 LPM) (Pictured right)

Automatic Nozzles

Compatible with gasoline, diesel, E15, biodiesel to B20, and kerosene.

N100DAU12	N	1" Red cover 5-25 GPM (19-95 LPM)			
N100DAU12G	N	1" Green cover 5-25 GPM (19-95 LPM)			
FRNA100DAU00 NA 1" Blue cover 5-25 GPM (19-95 LPM) (Rated to -40°F/-40°C)					
N075DAU10	N	3/4" Green cover 2.5-14.5 GPM (9.5-55 LPM) Diesel only			
N075UAU10	N	3/4" Red cover 2.5-14.5 GPM (9.5-55 LPM) Unleaded only			
FRNAN75NAII1N	NA	3/4" Blue cover 2 5-14 5 GPM (9 5-55 LPM) (Rated to -40°F/-40°C)			

Manual Nozzles

FRHMN100S N 1" | Up to 20 GPM (75 LPM) **FRHMN075S N** 3/4" | Up to 20 GPM (75 LPM)

Compatible with gasoline and diesel



Particulate, Hydrosorb® & Aqua Increase pump longevity

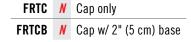
Vent Caps

Resistant to cuts, abrasions, & weather

Whip Hoses

WH10012	N	1" x 12" 1" x 30.5 cm
WH07509	N	3/4" x 9" 3/4" x 22 9 cm





Breakaways

S100H1315 N 1"

S075H1314 N 3/4"

Multi-plane Swivels

360° rotation | Rated to -40°F/-40°C

Non-reconnectable | Instant closing poppet check valve

B100F475	N	1"	ر (ال
B075F350	N	3/4"	LISTED

Suction Pipes

Telescoping suction pipes available in metallic and non-metallic

1200KTG9099	N	Steel 1" x 20" to 34 1/2" 1" x 50.8 cm - 87.6 cm
30F1879	N	Polypropylene 1/2" x 21" to 36" 1/2" x 53 3 cm - 91 4 c



NEW! In-line Digital Turbine MeterFor Gasoline / Diesel / Kerosene / Mineral Spirits



TT10 Series In-line Digital Turbine Meters

Flow 2-35 GPM (8-132 LPM)

+/-1% accuracy
1" inlet | 1" outlet NPT or BSPP threads
Impact damage resistance

User replaceable batteries (2 AA)
Easy field calibration | Memory backup
Install in-line, hose-end, or at the pump





Included Accessories | Additional Compatible Fluids | Materials of Construction

TT10AN	N	3/4" reducer bushings (2) Jet fuel, heptane, gasoline, diesel Aluminum
TT10ANC	N	E85, B100 biodiesel, non-potable water, jet fuel, lavatory water, gasoline, diesel Nickel-plated aluminum

TT10AB B Jet fuel, heptane, gasoline, diesel | Aluminum

TT10ABC B E85, B100 biodiesel, non-potable water, jet fuel, lavatory water, gasoline, diesel | Nickel-plated aluminum







Digital Display Meters

For Gasoline / Diesel / Biodiesel / E15 / Kerosene / Heptanes / Stoddard Solvents / Mineral Spirits

900 Series Digital Meters

Flow 6-40 GPM (23-151 LPM)

+/-1.25% accuracy rating
1" | 1.5" inlet/outlet - NPT or BSPT threads
Memory backup in case of power failure

Field/factory calibration 90° movable electronic head Powered by 2 AA batteries





Included Accessories | Inlet/Outlet Size

900CD	N	1" inlet/outlet
900CD1.5	N	1.5" inlet/outlet
900CDBSPT	В	1" inlet/outlet
900CD1.5BSPT	В	1.5" inlet/outlet
900CDP	N	Intrinsically safe barrier, pulse output 1" inlet/outlet (Pictured right)
900CDPBSPT	В	Intrinsically safe barrier, pulse output 1" inlet/outlet
900CDP1.5	N	Intrinsically safe barrier, pulse output 1.5" inlet/outlet
900CDP1.5BSPT	В	Intrinsically safe barrier, pulse output 1.5" inlet/outlet
900CDPX	N	Pulse output 1" inlet/outlet (Not for explosive atmospheres)
900CDPX1.5	N	Pulse output 1.5" inlet/outlet (Not for explosive atmospheres)
900CDPXBSPT	В	Pulse output 1" inlet/outlet (Not for explosive atmospheres)
900CDPX1.5BSPT	N	Pulse output 1.5" inlet/outlet (Not for explosive atmospheres)



In-line Digital Meter

Compatible with Diesel and Kerosene only

Flow 3-26 GPM (11-98 LPM)

+/-5% accuracy rating 1" NPT inlet/outlet

Measures gallons, liters, quarts, pints

Protective rubber guard



FR1118A10 N Meter only

820 Series Nutating Disc Meter

Compatible with Water, Diesel, and Mild Chemicals

Flow 2-20 GPM (8-76 LPM)

+/-0.2% accuracy rating 1" NPT inlet/outlet

Œ

Factory/field calibration
Powered by 2 AA batteries



820 N Meter only



Mechanical Meters

For Gasoline / Diesel / B20 / E15 / Kerosene

4-Wheel Mechanical Meters

Flow 6-40 GPM - Gallon register

+/-2% accuracy rating Aluminum construction





Included Accessories | Inlet/Outlet Size

901C	N	1" inlet/outlet
901C1.5	N	1.5" inlet/outlet
901CMK300	N	Includes fittings and castings to mount on FR300 series pumps 1" inlet/outlet
901CMK300V	N	Includes fittings and castings to mount on FR300V and FR700V series pumps 1" inlet/outlet (Pictured above)
901CMK4200	N	Includes fittings and castings to mount on FR4200, NX3200, and FR710 series pumps 1" inlet/outlet
901CN1 5	N	Flourocarbon seals 1.5" injet/outlet (Nickel-plated meter also compatible with hiofuels)

Flow 23-151 LPM - Liter register

+/-2% accuracy rating Aluminum construction



901CL 901CLX418	N B	1" inlet/outlet
901CL1.5 901CL1.5X418	N B	1.5" inlet/outlet (Pictured above)
901CLMK300	N	Includes fittings and castings to mount on FR300 series pumps 1" inlet/outlet
901CLMK300V	N	Includes fittings and castings to mount on FR300V and FR700V series pumps 1" inlet/outlet
901CLMK4200	N	Includes fittings and castings to mount on FR4200, NX3200, and FR710 series pumps 1" inlet/outlet
901CLN1.5	N	Flourocarbon seals 1.5" inlet/outlet (Nickel-plated meter also compatible with biofuels)
901CNL1.5X418	В	1.5" inlet/outlet (Nickel-plated meter also compatible with biofuels)

3-Wheel Mechanical Meters



Flow 5-20 GPM - Gallon register

+/-1% accuracy rating Aluminum construction



O O R

Included Accessories | Inlet/Outlet Size

806C	N	1" inlet/outlet (Gravity feed model Pictured above)
807C	N	3/4" inlet/outlet
807C1	N	1" inlet/outlet
807CMK	N	Includes fittings to mount on FR1200, FR2400, FR600, SD600, SD1200, and FR700V series pumps 3/4" inlet/outlet
807CN1	N	1" inlet/outlet (Nickel-plated meter also compatible with biofuels)

3-Wheel Mechanical Meters continued

Flow 19-76 LPM - Liter register

+/-1% accuracy rating Aluminum construction



806CL	N	1" inlet/outlet (Gravity feed model)
807CL 807CLX418		3/4" inlet/outlet
807CL1 807CL1X418		1" inlet/outlet
807CLMK	N	Includes fittings to mount on FR1200, FR2400, FR600, SD600, SD1200, and FR700V series pumps 3/4" inlet/outlet
807CLN1	N	1" inlet/outlet (Nickel-plated meter also compatible with biofuels Pictured above)
807CNL1X418	В	1" inlet/outlet (Nickel-plated meter also compatible with biofuels)

TN Series Meters

Fluid compatibility varies per model

CE

Flow 0.5-15 GPM (1.5-57 LPM)

+/-2% accuracy rating

1" | 1.5" NPT or BSPP inlet/outlet

TN740 - Max pressure 1,000 PSI / 69 bar TN760 - Max pressure 400 PSI / 28 bar

Fluid Register | Flow Rate | Inlet/Outlet Size

For use with high viscosity lube oils

N	Gallon register 0.5-10 GPM 1" inlet/outlet
В	Liter register 1.5-40 LPM 1" inlet/outlet
N	Gallon register 0.6-15 GPM 1.5" inlet/outlet (Pictured right)
N	Liter register 2.3-57 LPM 1.5" inlet/outlet
В	Liter register 2.3-57 LPM 1.5" inlet/outlet
_	B N N



Flow 6-60 GPM (23-230 LPM)

+/-2% accuracy rating
1.5" NPT or BSPP inlet/outlet

Max pressure 150 PSI / 10 bar

Fluid Register | Compatible Fluids

TN860AN1CAB1GAC	N	Gallon register Diesel, biodiesel, jet fuel, kerosene
INCOCANTOADTUAC	"	danon register i Dieser, biodieser, jet ruer, kerosene
TN860AN1CAB1GAC-RL	N	Gallon register Diesel, biodiesel, jet fuel, kerosene (right-to-left flow)
TN860AN1CAB1LAC	N	Liter register Diesel, biodiesel, jet fuel, kerosene
TN860AN1CAB2GAC	N	Gallon register Gasoline, water
TN860AN1CAB2GBC	N	Gallon register E85, E100, ALS, solvents
TN860AN1CAB2LAC	N	Liter register Gasoline, water
TN860AN1CAB2LBC	N	Liter register E85, E100, ALS, solvents
TN860AN1CBB1LAC	В	Liter regsiter Diesel, biodiesel, jet fuel, kerosene
TN860AN1CBB2LAC	В	Liter register Gasoline, water
TN860AN1CBB2LBC	В	Liter register E85, E100, ALS, solvents





NEW! DEF Pump Systems
For Diesel Exhaust Fluid (DEF) /



DF Series - DEF Transfer Systems

Flow 8 GPM (30 LPM)

1" BSPP x 3/4" Hose barb 12V DC or 120V AC systems EPDM seals | Self-priming to 6' 30-minute duty cycle 38 psi / 2.6 bar max bypass 2-year warranty

12V DC | Included Accessories

1" x 3/4" Hose barb elbows | 1" x 3/4" Hose barb straight fittings | Worm gear hose clamps

DF012N	Н	No additional accessories
DF012CMN520	H	Cage IBC bracket, manual nozzle, nozzle boot, 5' suction hose, 20' discharge hose
DF012CAN520	H	Cage IBC bracket, automatic nozzle, nozzle boot, 5' suction hose, 20' discharge hose
DF012CAN520-RP	H	Cage IBC bracket, automatic nozzle, nozzle boot, RPV dispense coupler, 5' suction hose, 20' discharge hose
DF012CAT520	Н	Cage IBC bracket, TT10PB meter, automatic nozzle, nozzle boot, RPV dispense coupler, 5' suction hose, 20' discharge hose

120V AC | Included Accessories

1" x 3/4" Hose barb elbows | 1" x 3/4" Hose barb straight fittings | Worm gear hose clamps

DF120N	H	No additional accessories
DF120CMN520	H	Cage IBC bracket, manual nozzle, nozzle boot, 5' suction hose, 20' discharge hose
DF120DAN520	H	Drum bracket, automatic nozzle, nozzle boot, 5' suction hose, 20' discharge hose
DF120CAN520	H	Cage IBC bracket, automatic nozzle, nozzle boot, 5' suction hose, 20' discharge hose
DF120CAN520-RP	Н	Cage IBC bracket, automatic nozzle, nozzle boot, RPV dispense coupler, 5' suction hose, 20' discharge hose
DF120CAT520	Н	Cage IBC bracket, TT10PB meter, automatic nozzle, nozzle boot, RPV dispense coupler, 5' suction hose, 20' discharge hose

Pump Features

- ✓ RUGGED MULTI-DIAPHRAGM TECHNOLOGY - Specifically designed for DEF/AdBlue® dispensing
- ✓ INTEGRAL PULSATION DAMPENER -Smooth flow at point of use to eliminate splashing
- √ 30-MINUTE DUTY CYCLE -120V AC or 12V DC
- ✓ SELF-PRIMING TO 6 FEET Saves time with quick fluid lift
- ✓ 8 GPM FLOW RATE Ideal dispense rate for most tank sizes
- ✓ EPDM SEALS Designed, tested and proven specifically for DEF/ AdBlue®
- ✓ STAINLESS STEEL EXTERIOR HARDWARE - Ideal material will not corrode

System Features

Nozzle Boot

- Keeps nozzle clean and free of debris
- Nozzle tip submerged in water stays clean
- Removable boot for easy clean-up
- Multiple secure mounting configurations

Nozzle & Hose

- Automatic or manual
- ¾" EPDM

Cage Bracket

- Stainless steel
- Hangs on many types of caged totes
- High capacity hose bracket accommodates 20'

Drum Bracket (DF120DAN520 only)

- Stainless steel
- Securely mounts to most 30 and 55-gallon drums

Micro Matic® Composite Dispense Coupler (RPV)

- Dispense from drum or IBC
- For use with either RSV or RPV 4-Key Container Valves
- Fast "Turn, Click and Go" connections
- Self-locking handle eliminates accidental disengagement
- Protects fluid purity by allowing dispense only



400B Series Electric Diaphragm Pumps For Pesticides / Fertilizers / Mild Acids / Soaps / Water



400B Series Diaphragm Pumps

Flow 15 GPM (57 LPM)

1" inlet | 1" outlet NPT threads Santoprene diaphragms® | EPDM seals 15 psi / 1 bar 10' suction lift

*Hytrel diaphragms | Viton seals

**Hytrel diaphragms | NBR seals

12V DC | Included Accessories

12' EPDM discharge hose | Ball valve | Hose barbs | Hose clamps

SS411BCEXP	В	No accessories (CE compliant, Explosion-proof motor)
SS413BCEXPPG	N	2" F Camlock coupler w/F threads, 2" x 1" reducer bushing, 39" EPDM hose (CE compliant, Explosion-proof motor)
SS415B	N	No accessories
SS415BX670	N	No accessories
SS415BEXPX670	N	No accessories (UL listed explosion-proof motor)
SS415BX731	N	Bracket on pump, no accessories
SS415BX731PG	N	Bracket on pump, 2" F Camlock coupler w/F threads, 2" x 1" reducer bushing, 23"-40" poly telescoping suction tube
SS417B	N	Cap and spin-on collar for bung, 23"-40" poly telescoping suction tube
*SS419BX665	N	2" poly street elbow, Monsanto coupler, 23"-40" poly telescoping suction tube, pump support bracket (for use with Monsanto tanks)
SS420B	N	Nozzle hanger, 23"-40" poly telescoping suction tube
SS435B	N	Short frame Chemtraveller, 825 meter, 9' EPDM suction hose, anti-drip tip, 1" F Camlock coupler w/M threads, 1" poly short nipple
SS435BCEXP	N	Short frame Chemtraveller, 825 meter, 9' EPDM suction hose, anti-drip tip, 1" F Camlock coupler w/M threads, 1" poly short nipple (CE compliant, Explosion-proof motor)
SS435BX675	N	Short frame Chemtraveller, 850 meter, 9' EPDM suction hose, anti-drip tip, 1" F Camlock coupler w/F threads, 1" poly short nipple
SS435BX700	N	Short frame Chemtraveller, 825 meter, 9' EPDM suction hose, anti-drip tip, 1" F Camlock coupler w/M threads, 1" poly short nipple (Gaskets and seals are EPDM)
SS435BX713	N	Short frame Chemtraveller, 9' EPDM suction hose, anti-drip tip (Includes fittings to pump from the top or bottom of a tank or tote)

400B Series Continued

12V DC | Included Accessories

12' EPDM discharge hose | Ball valve | Hose barbs | Hose clamps

SS435BEXPX703	N	Short frame Chemtraveller, anti-drip tip, no hoses or hose clamps included (UL listed explosion-proof motor)
SS445B	N	9" GemCap, 825 meter, 28.5"-45.5" poly telescoping suction tube w/ bellows, check valve, built-in recirculation valve
SS445BX700	N	9" GemCap, 825 meter, 28.5"-45.5" poly telescoping suction tube w/ bellows, check valve, built-in recirculation valve (Gaskets and seals are EPDM)
SS445BX727	N	9" GemCap, 825 meter, 28.5"-45.5" poly telescoping suction tube w/ bellows, check valve, built-in recirculation valve

115V AC | Included Accessories

12' EPDM discharge hose | Ball valve | Hose barbs | Hose clamps

SS460B N Nozzle hanger, 23"-40" poly telescoping suction tube				
SS460BX674	SS460BX674 // Nozzle hanger, 23"-40" poly telescoping suction tube			
SS460BX731 // Bracket on pump, nozzle hanger, 23"-40" poly telescoping suction tube				
SS460BX731PG N Bracket on pump, 2" F Camlock coupler w/F threads, 39" EPDM hose, 23"-40" poly telescoping suction tube,				
SS465BEXP	N	Tall frame Chemtraveller, 825 meter, 9' EPDM suction hose, anti-drip tip, 1" F Camlock coupler w/M threads, 1" poly nipple (UL listed explosion-proof motor)		
SS465BX713	N	Tall frame Chemtraveller, anti-drip tip, no hoses or hose clamps included		

Electric Diaphragm Pumps

Compatible with Diesel / Gear & Motor Oils

Flow 15 GPM (57 LPM)

1" inlet | 1" outlet NPT threads

Hytrel diaphragms | NBR seals

10' suction lift

Included Accessories

12' hose | 23"-40.5" steel telescoping suction pipe

FR405BEXPX054	N	12V DC No accessories (UL listed explosion-proof motor)
FR410B	N	12V DC Manual nozzle
FR410BEXP	N	12V DC Manual nozzle
FR450B	N	115V AC Manual nozzle (Pictured right)

24V DC | Included Accessories

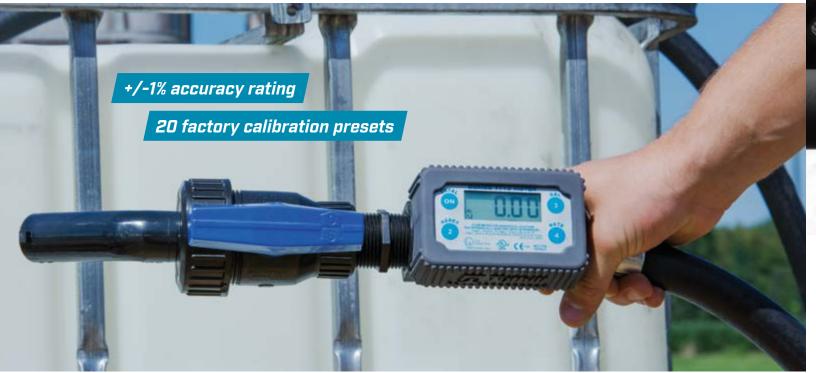
FR205B	N	No accessories
FR205BX054	N	No accessories
FR210B	N	12' hose, manual nozzle, 23"-40.5" steel telescoping suction pipe





NEW! In-line Digital Turbine Meter

For DEF / AdBlue / Anti-freeze / De-icing Fluid / Non-Potable Water / Chemicals



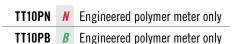


Flow 2-35 GPM (8-132 LPM)

+/-1% accuracy rating
1" inlet | 1" outlet NPT or BSPP threads
Impact damage resistance

User replaceable batteries (2 AA)
Easy field calibration | Memory backup
Install in-line, hose-end, or at the pump







In-line Digital Meter

Compatible with DEF / AdBlue / Water / Detergents

Flow 3-26 GPM (11-98 LPM)

+/-5% accuracy rating
1" NPT inlet/outlet
Measures gallons, liters, quarts, pints
Protective rubber guard







800 Series Digital Meters

For Pesticides / Fertilizers / Diesel / DEF / AdBlue / Crop, Gear & Motor Oils / Mild Acids / Soaps / Water

Flow 2-20 GPM (7-75 LPM)

+/-0.5% accuracy rating
1" inlet | 1" outlet NPT or BSPP threads
1-step calibration

Glass-filled polypropylene housing Waterproof, corrosion resistant body



Included Accessories | Max Pressure

825	N	Meter only 125 PSI (8.6 bar) (2) AA battery powered
825X700	N	Meter only, EPDM seals 125 PSI (8.6 bar) (2) AA battery powered
825D075BSPPS	В	3/4" BSPP threads 125 PSI (8.6 bar) (2) AA battery powered
825P	N	4-20 mA analog output, Pulse output, Power and signal cable 125 PSI (8.6 bar) (2) Lithium CR2032 batteries
850	N	Meter only 120 PSI (8.27 bar) (2) AA battery powered
850P	N	4-20 mA analog output, Pulse output, Power and signal cable 120 PSI (8.27 bar) (2) Lithium CR2032 batteries (Pictured below)

Series 850P (Bulk Air Detector Model)

The 850 series meter offers all the great features of the 825, but also incorporates a mass air sensor that distinguishes between fluid and air. As a result, the 850 stops metering when you finish emptying a container, improving the accuracy by not metering the air. The "P" designation in the model number tells you this meter has pulse output, making it an excellent choice for batching, use with FMS and PLC systems, and remote monitoring.

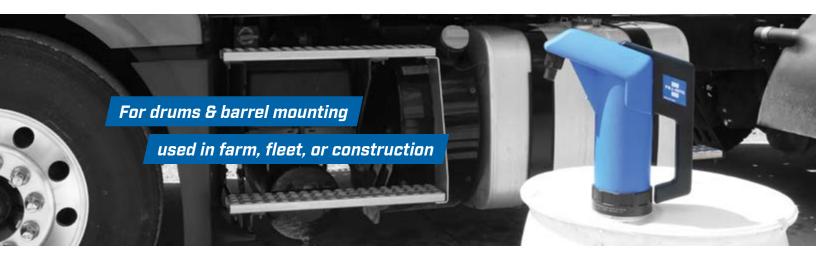






Hand Pumps

For Hydraulic, Engine, & Gear Oils / Diesel / Anti-Freeze / Mild Acids / DEF / AdBlue / Degreasers



Air Operated Hand Pump

Flow 6.5 GPM (24.6 LPM)

2" NPT bung adapter 100 psi / 6.8 bar max pressure

FRAP32V N Telescoping suction pipe

Hand Lever Pump

Flow 11oz/stroke

2" NPT bung adapter Polypropylene construction

FRHP32V N Telescoping suction pipe

Accessories

For Hydraulic, Engine, & Gear Oils / Diesel / Anti-Freeze / Mild Acids / DEF / AdBlue / Degreasers

Mounting Options

Stainless steel For totes, drums, and barrels

KITDFCB	Cage IBC bracket, nozzle reservoir w/bracket
KITDFDB	Drum bracket (Pictured below), nozzle reservoir w/bracket
KIT180MPPS	IBC mounting plate





Accessories continued

Nozzles

Stainless steel or Non-metallic construction

FRDFM075C	Н	DEF manual nozzle
FRDFA075B	Н	DEF automatic nozzle
FRDFA075A	В	Premium DEF automatic nozzle (Stainless steel)
KITDFMN	Н	DEF automatic nozzle with TT10PB meter assembly

Suction Pipes

30F1879	N	1/2" x 23"-40 1/2" telescoping poly suction pipe
1200KTG7743	N	1" x 43" 3-piece PVC suction pipe
KIT18NNTPS	Н	Non-metallic dispense coupler and suction tube - 3//1" hose barb

Hoses

EPDM material 3/4" Bare ends

KITDFH05	5' 1.5 m (Suction hose)
KITDFH20	20' 6 m



Accessories to accompany chemical dispensing systems

KITS05NDEF	KITS05NDEF Poly manual nozzle w/stainless steel spout, 8' 2.4 m hose, 6' 1.8 m suction hose					
KIT180MAPS	Automatic nozzle, 12' 3.6 m hose, 6' 1.8 m suction hose, stainless steel mounting plate					
KIT180MAMPS	IT180MAMPS 825 digital meter, automatic nozzle, 12' 3.6 m hose, 6' 1.8 m suction hose, stainless steel IBC tote mounting plate					
KITHA32V	8' 2.4 m hose w/ball valve tap					
KITHA32VMN	8' 2.4 m hose, polypropylene manual nozzle w/stainless steel spout, hose bracket					
KITDFNB	Plastic nozzle reservoir, nozzle reservoir bracket					
MMNM075RPV Non-metallic, 4-pin RPV dispense coupler						
MMSS075RSV Stainless steel 4-pin RSV dispense coupler						
MMSS075EPV Stainless steel 3-pin EPV dispense coupler						











FRCatalog-0318-Rev.1

