

Balcrank



DEF Dispensing



Diesel Exhaust Fluid (DEF)

OPEN AND CLOSED COUPLER SYSTEMS

DEF purity is essential. A critical system consideration in maintaining DEF quality is the type of dispensing system used.

CLOSED system containers have a valve coupling system that seals the container opening on drums and totes (IBC) to prevent dirt, debris, bugs, etc., from entering the container and contaminating the diesel exhaust fluid. Liquid in container system is sealed and secure, throughout container life cycle. For closed systems, use Reusable Poly Valve (RPV) or Reusable Stainless Valve (RSV) systems accessories.

RSV and RPV components are interchangeable.

OPEN system containers are drums or totes (IBC) that do not contain a valve insert in the container's bung opening; potentially, allowing dirt, debris, bugs, etc. to enter the container and contaminate the diesel exhaust fluid. For open systems, use Drum Quick Pro (DQP) accessories.

Both open and closed systems are approved for use in DEF applications.

CONTAINER SIZE OPTIONS

55 Gallon:

Supplies up to 11,000 miles*. Ideal for one or two trucks operations and can last several months.

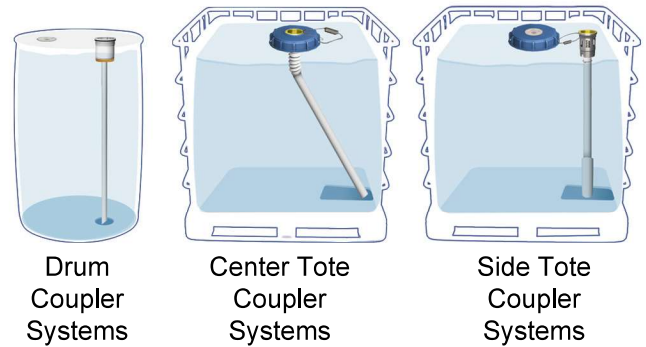
275 Gallon:

Supplies up to 55,000 miles*. Tote (IBC) is delivered by truck and requires unloading by forklift.

330 Gallon:

Supplies up to 66,000 miles*. Tote (IBC) is delivered by truck and requires unloading by forklift.

Note:* Above calculations based at 3% usage at average fuel economy of 6 miles per gallon. 1 gallon of DEF per 200 miles. Container volume /mileage usage may vary depending on vehicle dosage rate.



Introduction to Diesel Exhaust Fluid (DEF)

For over 100 years, Balcrank has designed and manufactured quality fluid dispensing equipment systems and packages for the Automotive, Commercial, and Industrial Marketplace.

The tradition continues with...true blue diesel exhaust fluid (DEF) dispensing system packages. Designed specifically to handle DEF, the true blue systems and packages help to reduce vehicle emissions.

DEF is packaged in totes, drums, and bottles. Balcrank offers drum and tote system packages for dealerships, garages, fleets, and commercial facilities. These packages are designed to make DEF refills convenient for technicians and drivers.

You are never far from an authorized Balcrank installation distributor. A national network of trained and authorized technicians stand ready to install and service our equipment. Balcrank is committed to providing DEF support to their customers in the Automotive, Commercial, and Industrial markets.

- Truck fleet service facilities and networks
- Automotive dealerships
- Agricultural service applications
- Specialty and off-road vehicle service facilities
- Vehicle manufacturers

The EPA is working to reduce harmful pollutants by mandating strict emission standards for diesel engines. Congress has enacted the Clean Air Act to regulate the removal of harmful pollutants caused by diesel engines.

The industry has followed the strict emission standards implemented by the EPA. Light and heavy-duty diesel vehicles, new heavy-duty diesel trucks, and buses now burn fuel 90 percent cleaner.

Today, the EPA is focused on non-road diesel engines; including agricultural and construction equipment.

This initiative continues to move forward addressing the extensive emission standards for aircraft, watercraft, and locomotives.

To assist these standards, vehicle and engine manufacturers have developed a technology called, Selective Catalytic Reduction (SCR) for diesel engines. This technology uses Diesel Exhaust Fluid to convert the NO_x into harmless nitrogen gas (N_2) and water vapor (H_2O).

Balcrank offers a wide range of true blue DEF dispensing equipment system packages designed specifically to handle DEF.

As your DEF volume increases, the true blue system packages can easily be adapted to fit various container sizes and dispensing options.



Drum Not included
1310-006 shown

LEVER PUMP SYSTEM FEATURES

- Lever action pump
- Polypropylene construction, includes 2" NPT bung adapter
- Pump delivers 1 pint per stroke/ 8 strokes per gal
- EPDM seals for maximum chemical compatibility
- 6' Dispense hose

MODELS AVAILABLE

1310-005	Lever Pump and Spout
1310-006	Lever Pump and Manual Nozzle (PE) 1" barb

LEVER PUMP TECHNICAL DATA

Delivery Volume	1 pint per stroke (500 cc)
Temp Range	-5°C + 45°C (23°F- 113°F)
Wetted Materials	Polypropylene (PP), EPDM
Service Bulletin	SB 1117

STICK PUMP SYSTEM FEATURES

- 1/2 horsepower motor, 110V AC 4.5 to 6.0 Gal/min flow rate
- Ergonomic design, safe to run dry - lightweight, rugged and easy to use
- Self priming, self draining
- Integral clip to hang the pump for storage when not in drum - keeps dirt out of pump tube
- Bung adapter included - securely fasten pump to drum
- 6' x 3/4" Dispense hose
- DEF turbine meter with metered packages

MODELS AVAILABLE

1210-007A	Drum Stick Pump Non-metered, Manual Nozzle (PE) 1" barb
1210-007B	Drum Stick Pump Non-metered, Auto Nozzle (SS), 3/4" BSPP (F)
1210-008A	Drum Stick Pump Metered, Manual Nozzle (PE) 1" barb
1210-008B	Drum Stick Pump Metered, Auto Nozzle (SS), 3/4" BSPP (F)

STICK PUMP TECHNICAL DATA

Flow Rate	4.5-6 GPM
Power	110V AC
Wetted Materials	PTE, 316SS, Viton, PP, PE, ETFE
Service Bulletin	SB1108



Drum Not included
1210-007B shown



Tote Not included
1210-009B shown

ELECTRIC STICK PUMP SYSTEM FEATURES

- Self priming, self draining - prevents product spills on floor
- Integral clip to hang the pump for storage when not in tote
- Bung adapter included - securely fasten pump to drum
- 12' x 3/4" Dispense hose
- DEF turbine meter with metered packages

MODELS AVAILABLE

1210-009A	Tote Stick Pump Non-metered, Manual Nozzle (PE) 1" barb
1210-009B	Tote Stick Pump Non-metered, Auto Nozzle (SS), 3/4" BSPP (F)
1210-010A	Tote Stick Pump Metered, Manual Nozzle (PE) 1" barb
1210-010B	Tote Stick Pump Metered, Auto Nozzle (SS), 3/4" BSPP (F)

ELECTRIC STICK PUMP TECHNICAL DATA

Flow Rate	8-12 GPM
Power	110V AC, 4 speed 2/3 horsepower motor
Wetted Materials	Stainless Steel, EPDM, PTFE, Viton, PP, PE, ETFE
Service Bulletin	SB 1109

Closed Systems Drum Packages | Electric Diaphragm Pump



4320-007 HD Drum Cart - included in portable packages



1200-020 120V AC



1200-021 12V DC



3120-116 Meter DR Style for DEF



3340-012 Auto Nozzle (SS)



3340-015 Manual Nozzle (PE)

FEATURES

- Compact design mounting bracket
- Heavy-duty cart - easily holds and rolls up to 55 gallon drum
- Large semi-pneumatic tires - allows for easy maneuvering
- Large non-marking rear caster - built in break for safe and secure dispensing
- Includes:
 - 8570-006 - 6' x 3/4" suction hose
 - 8561-012 - 12' x 3/4" discharge hose
 - 4530-054 - drip tray
 - 4320-007 - drum cart 55 gal for DEF
 - 4530-065 - side mount bracket
- Options
 - 3120-116 - meter DR style for DEF
 - 1200-020 - 120V AC Electric Diaphragm pump
 - 1200-021 - 12V DC Electric Diaphragm pump
 - 3340-012 - Auto Nozzle, (SS), 3/4" BSPP (F)
 - 3340-015 - Manual nozzle, (PE) 1" barb

AVAILABLE MODELS

Model	Description
1210-046P	120V AC Non-metered, Manual Nozzle, (PE) 1" barb
1210-047P	120V AC Metered, Manual Nozzle, (PE) 1" barb
1210-048P	120V AC Non-metered, Auto Nozzle, (SS), 3/4" BSPP (F)
1210-049P	120V AC Metered, Auto Nozzle, (SS), 3/4" BSPP (F)
1210-050P	12V DC Non-metered, Manual Nozzle, (PE) 1" barb
1210-051P	12V DC Metered, Manual Nozzle, (PE) 1" barb
1210-052P	12V DC Non-metered, Auto Nozzle, (SS), 3/4" BSPP (F)
1210-053P	12V DC Metered, Auto Nozzle, (SS), 3/4" BSPP (F)

TECHNICAL DATA 120 V AC (1200-020)

Flow Rate	8.5 GPM
Working Pressure	23 psi (1.6 bar)
Power	120V AC
Wetted Materials (pump)	Stainless Steel, Viton, PPE
Service Bulletin	SB 1129

TECHNICAL DATA 12V DC (1200-021)

Flow Rate	9.5 GPM
Working Pressure	23 psi (1.6 bar)
Power	12V DC
Wetted Materials (pump)	Stainless Steel, Viton, PPE
Service Bulletin	SB 1130

CLOSED system containers have a valve coupling system that seals the container opening on drums and totes (IBC) to prevent dirt, debris, bugs, etc., from entering the container and contaminating the diesel exhaust fluid. Liquid in container system is sealed and secure, throughout container life cycle.

Note: Pump packages include all hoses and adapters required for connecting a DEF pump to the air supply, and DEF dispense line.

DEF Packages do not include coupler systems. You must choose a coupler kit to create a complete system for your fluid distribution needs.

For closed systems, use Reusable Poly Valve (RPV) or Reusable Stainless Valve (RSV) systems accessories. RSV and RPV components are interchangeable, see page 11-12

Closed Systems Tote Packages | Electric Diaphragm Pump



1200-020 120V AC



1200-021 12V DC



3120-116 Meter DR Style for DEF



3340-012 Auto Nozzle (SS)



3340-015 Manual Nozzle (PE)

CLOSED system containers have a valve coupling system that seals the container opening on drums and totes (IBC) to prevent dirt, debris, bugs, etc., from entering the container and contaminating the diesel exhaust fluid. Liquid in container system is sealed and secure, throughout container life cycle.

Note: Pump packages include all hoses and adapters required for connecting a DEF pump to the air supply, and DEF dispense line.

FEATURES

- Compact design mounting bracket
- Includes:
 - 8570-006 - 6' x 3/4" suction hose
 - 8561-020 - 20' x 3/4" discharge hose
 - 4530-054 - drip tray
 - 4530-065 - side mount bracket
- Options
 - 3120-116 - meter DR style for DEF
 - 1200-020 - 120V AC Electric Diaphragm pump
 - 1200-021 - 12V DC Electric Diaphragm pump
 - 3340-012 - Auto Nozzle, Stainless steel
 - 3340-015 - Manual nozzle, polyethylene

AVAILABLE MODELS

Model	Description
1210-046	120V AC Non-metered, Manual Nozzle, (PE) 1" barb
1210-047	120V AC Metered, Manual Nozzle, (PE) 1" barb
1210-048	120V AC Non-metered, Auto Nozzle, (SS), 3/4" BSPP (F)
1210-049	120V AC Metered, Auto Nozzle, (SS), 3/4" BSPP (F)
1210-050	12V DC Non-metered, Manual Nozzle, (PE) 1" barb
1210-051	12V DC Metered, Manual Nozzle, (PE) 1" barb
1210-052	12V DC Non-metered, Auto Nozzle, (SS), 3/4" BSPP (F)
1210-053	12V DC Metered, Auto Nozzle, (SS), 3/4" BSPP (F)

TECHNICAL DATA 120V AC (1200-020)

Flow Rate	8.5 GPM
Working Pressure	23 psi (1.6 bar)
Power	120V AC
Wetted Materials (pump)	Stainless Steel, Viton, PPE
Service Bulletin	SB 1129

TECHNICAL DATA 12V DC (1200-021)

Flow Rate	9.5 GPM
Working Pressure	23 psi (1.6 bar)
Power	12V DC
Wetted Materials (pump)	Stainless Steel, Viton, PPE
Service Bulletin	SB 1130

DEF Packages do not include coupler systems.

You must choose a coupler kit to create a complete system for your fluid distribution needs.

For closed systems, use Reusable Poly Valve (RPV) or Reusable Stainless Valve (RSV) systems accessories. RSV and RPV components are interchangeable, see page 11-12

Closed Systems Drum Packages | CF Diaphragm Pump



4320-007 HD Drum Cart - included in portable packages



3120-116 Meter DR Style for DEF



3340-018 Manual Nozzle (PE)



3340-012 Auto Nozzle (SS)

FEATURES

- Compact design mounting bracket
- Heavy-duty cart - easily holds and rolls up to 55 gallon drum
- Large semi-pneumatic tires - allows for easy maneuvering of cart
- Large non-marking rear caster - built in break for safe and secure dispensing

Includes:

- 1120-025 - CF15 AODD pump for DEF
- 8570-006 - 6' x 3/4" suction hose
- 8561-012 - 12' x 3/4" discharge hose
- 4530-054 - drip tray
- 4530-064 - side mount bracket
- 4530-065 - CF AODD pump shelf for use with 4530-064
- 3260-060 - filter reg 1/4" auto drain, mini
- 4320-007 - Drum Cart 55 Gal for DEF

Options

- 3120-116 - Meter DR Style for DEF
- 3340-012 - Auto Nozzle, (SS), 3/4" BSPP (F)
- 3340-018 - Manual nozzle, (PE) 3/4" BSPP(F)

AVAILABLE MODELS

Model	Description
1210-054P	CF15 Non-metered, Manual Nozzle, (PE) 3/4" BSPP (F)
1210-055P	CF15 Metered, Manual Nozzle, (PE) 3/4" BSPP (F)
1210-056P	CF15 Non-metered, Auto Nozzle, (SS) 3/4" BSPP (F)
1210-057P	CF15 Metered, Auto Nozzle, (SS) 3/4" BSPP (F)

TECHNICAL DATA

Air inlet	3/8" NPSM(F)
Fluid inlet port	1/2" NPT(F) DEF
Fluid outlet port	1/2" NPT(F) DEF
Max. Free Flow	14 gal/min (50 l/min)
Air pressure range	45-100 psi (3-7 bar)
Solids in suspension	1/8" (3 mm)
Wetted Materials	PTFE (Teflon®), Viton®, Polypropylene, Stainless Steel, Hytrel®
Recommended fluids	Diesel exhaust fluid
Recommended Applications	Fluid dispensing, transfer, evacuation, and distribution systems
Service Bulletin	SB1122

CLOSED system containers have a valve coupling system that seals the container opening on drums and totes (IBC) to prevent dirt, debris, bugs, etc., from entering the container and contaminating the diesel exhaust fluid. Liquid in container system is sealed and secure, throughout container life cycle.

Note: Pump packages include all hoses and adapters required for connecting a DEF pump to the air supply, and DEF dispense line.

DEF Packages do not include coupler systems.

You must choose a coupler kit to create a complete system for your fluid distribution needs.

For closed systems, use Reusable Poly Valve (RPV) or Reusable Stainless Valve (RSV) systems accessories. RSV and RPV components are interchangeable, see page 11-12



FEATURES

- Compact design mounting bracket

Includes:

- 1120-025 - CF15 AODD pump for DEF
- 8570-006 - 6' x 3/4" suction hose
- 8561-020 - 20' x 3/4" discharge hose
- 4530-054 - drip tray
- 4530-064 - side mount bracket
- 4530-065 - CF AODD pump shelf for use with 4530-064
- 3260-060 - filter reg 1/4" auto drain, mini

Options

- 3120-116 - Meter DR Style for DEF
- 3340-012 - Auto Nozzle, (SS), 3/4" BSPP (F)
- 3340-018 - Manual nozzle, (PE) 3/4" BSPP(F)

AVAILABLE MODELS

Model	Description
1210-054	CF15 Non-metered, Manual Nozzle, (PE) 3/4" BSPP (F)
1210-055	CF15 Metered, Manual Nozzle, (PE) 3/4" BSPP (F)
1210-056	CF15 Non-metered, Auto Nozzle, (SS) 3/4" BSPP (F)
1210-057	CF15 Metered, Auto Nozzle, (SS) 3/4" BSPP (F)



3120-116 Meter DR Style for DEF



3340-018 Manual Nozzle (PE)



3340-012 Auto Nozzle (SS)

TECHNICAL DATA

Air inlet	3/8" NPSM(F)
Fluid inlet port	1/2" NPT(F) DEF
Fluid outlet port	1/2" NPT(F) DEF
Max. Free Flow	14 gal/min (50 l/min)
Air pressure range	45-100 psi (3-7 bar)
Solids in suspension	1/8" (3 mm)
Wetted Materials	PTFE (Teflon®), Viton®, Polypropylene, Stainless Steel, Hytrel®
Recommended fluids	Diesel exhaust fluid
Recommended Applications	Fluid dispensing, transfer, evacuation, and distribution systems
Service Bulletin	SB1122

CLOSED system containers have a valve coupling system that seals the container opening on drums and totes (IBC) to prevent dirt, debris, bugs, etc., from entering the container and contaminating the diesel exhaust fluid. Liquid in container system is sealed and secure, throughout container life cycle.

Note: Pump packages include all hoses and adapters required for connecting a DEF pump to the air supply, and DEF dispense line.

DEF Packages do not include coupler systems.

You must choose a coupler kit to create a complete system for your fluid distribution needs.

For closed systems, use Reusable Poly Valve (RPV) or Reusable Stainless Valve (RSV) systems accessories. RSV and RPV components are interchangeable, *see page 11-12*

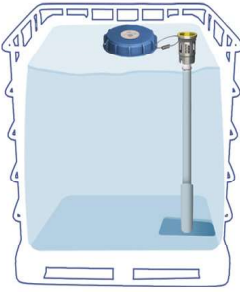
Coupler Components and Kits



Drum
Coupler
Systems



Center Tote
Coupler
Systems



Side Tote
Coupler
Systems

DEF Packages do not include coupler systems.
You must choose a coupler kit to create a complete system for your fluid distribution needs.

NOTE: When ordering suction kits ensure you have selected the correct dip tube orientation for your system.

Open Systems Components

For open systems, use Drum Quick Pro (DQP) accessories.

DRUM QUICK PRO (DQP)



4530-001 Coupler, polyethylene - 3/4" barb

832769 Replacement filter, air - used on 4530-001



4530-002 Insert, polyethylene, 2 1/2" ABUT (American Buttress)



4530-003 Key - DQP series



4530-006 Dip tube, 55-gal drum mount length

4530-005 Dip tube, 275-gal tote mount length

4530-004 Dip tube, 330-gal tote mount length

SUCTION KITS



4530-007 Suction Kit, DQP series - includes:
coupler, insert, key and 55-gal drum mount length dip tube

4530-008 Suction Kit, DQP series - includes:
coupler, insert, key and 275-gal tote mount length dip tube

4530-009 Suction Kit, DQP series - includes:
coupler, insert, key and 330-gal tote mount length dip tube

Coupler Components and Kits


Closed Systems - RSV and RPV Components are interchangeable

For closed systems, use Reusable Poly Valve (RPV) or Reusable Stainless Valve (RSV) systems accessories. RSV and RPV components are interchangeable.

REUSABLE STAINLESS VALVE (RSV) - 4 Prong, Green Seal - Preferred and Balcrank recommended

	4530-036	Coupler, Stainless Steel - 3/4" barb
	4530-048	Coupler, Bulk Fill head 1" NPT
	4530-037	Insert, stainless steel, 2 1/2" ABUT (American Buttress)
	4530-038	Key, (SS) for RSV/RPV
	4530-041	Dip tube, 55-gal drum mount length
	4530-044	Dip tube, 275-gal tote - center mount length
	4530-040	Dip tube, 275-gal tote - side mount length
	4530-043	Dip tube, 330-gal tote - center mount length
	4530-039	Dip tube, 330-gal tote - side mount length

SUCTION KITS

	4530-042	Suction Kit, RSV series - includes: coupler, insert, and 55-gal drum mount length dip tube
	4530-045	Suction Kit, RSV series - includes: coupler, insert, and 275-gal tote mount length dip tube
	4530-046	Suction Kit, RSV series - includes: coupler, insert, and 330-gal tote mount length dip tube
	4530-050	1210-016 suction kit, RSV series - includes: coupler, fill head, 2 inserts, 3 dip tubes (55-gal drum mount length, 275-gal center mount length, and 330-gal center mount length)
	4610-001	Suction Kit, RSV/RPV SS series - includes: SS coupler 4530-036, DEF Hose 6' X 3/4" ID, Fitting 1" BSPP (F) X 3/4" barb

Coupler Components and Kits

Closed Systems - RSV and RPV Components are interchangeable

For closed systems, use Reusable Poly Valve (RPV) or Reusable Stainless Valve (RSV) systems accessories. RSV and RPV components are interchangeable.

REUSABLE STAINLESS VALVE (RSV) - 4 Prong, Green Seal - Preferred and Balcrank recommended



4530-057 Coupler, RSV/RPV, Poly - 3/4" barb



4530-063 Insert, (PE), 2" ABUT (American Buttress) (M)



4530-058 Key - Poly, RSV/RPV



4530-041 Dip tube, 55-gal drum mount length

4530-044 Dip tube, 275-gal tote - center mount length

4530-040 Dip tube, 275-gal tote - side mount length

4530-043 Dip tube, 330-gal tote - center mount length

4530-039 Dip tube, 330-gal tote - side mount length

SUCTION KITS



4530-059 Suction Kit, RPV Poly series - includes: coupler, insert, and 55 gal drum mount length dip tube

4530-060 Suction Kit, RPV Poly series - includes: coupler, insert, and 2-275 gal tote mount length dip tube (side and center length)

4530-061 Suction Kit, RPV Poly series - includes: coupler, insert, and 330 gal tote mount length dip tube (side and center length)

4530-062 Suction kit, RPV Poly series - includes: 2 couplers, 1 inserts, 3 dip tubes (55-gal drum mount length, 275-gal center mount length, and 330-gal center mount length) *fits the 1210-016 Drum package

4610-003 Suction Kit, RPV Poly series - includes: coupler 4530-026, DEF Hose 6' X 3/4" ID, Fitting 1" BSPP (F) X 3/4" barb

COUPLER KIT ACCESSORIES



832924 Center cap, tote 6" dia. x 2" ID ABUT (American Buttress) non-vented



SIGNATURE SERIES - CLASSIC

DEF (Diesel Exhaust Fluid) Low pressure 150 psi (10 bar) for delivery of DEF

Item	Description	Replacement Hose
2400-006	Bare reel - up to 30' Hose	--
2400-007	16' x 3/4" ID BSPP (F) includes 3' inlet hose	8569-016
2400-008	20' x 3/4" ID BSPP (F) includes 3' inlet hose	8569-020
2400-009	30' x 3/4" ID BSPP (M) includes 3' inlet hose	8569-030

TECHNICAL DATA

Fluid inlet port	3/4" ID BSPP (F) - bare
Fluid outlet port	3/4" ID BSPP (F) - bare
Inlet/Outlet thread	3/4" ID BSPP (M) for 3/4" ID hoses
Wetted Materials	Stainless steel and Viton
Service Bulletin	SB 2023

SIGNATURE SERIES - EV (EXTRA VOLUME)

DEF (Diesel Exhaust Fluid) Low pressure 50 psi (3 bar) for delivery of DEF

Item	Description	Replacement Hose
2400-010	Bare reel, up to 50' X 3/4" ID hose BSPP	--
2400-011	50' X 3/4" ID BSPP includes 3' inlet hose	8569-050

TECHNICAL DATA

Fluid inlet port	3/4" ID NPSM (F) cone seal - bare
Fluid outlet port	3/4" ID BSPP (F) - bare
Inlet/Outlet thread	3/4" ID BSPP (M) for 3/4" ID hoses
Wetted Materials	Stainless steel, Polypropylene, and Viton
Service Bulletin	SB 2028

System Components - Hose and Hose Accessories

HOSE - SUCTION - BEFORE PUMP



8570-003	3' x 3/4" ID
8570-006	6' x 3/4" ID
8572-006	6' x 1" ID, 100% virgin PVC

HOSE - DISPENSE-AFTER PUMP *All hoses are specially formulated polyurethane unless otherwise stated*



8551-006	6' x 1" ID w/hose clamps and simple spout
8560-003	3' x 3/4" ID w/hose clamps
8560-012	12' x 3/4" ID w/hose clamps
8561-003	3' x 3/4" ID Swivel 3/4" BSPP (M) cut end requires a hose clamp NOT included. order #832760
8561-006	6' x 3/4" ID Swivel 3/4" BSPP (M) cut end requires a hose clamp NOT included. order #832760
8561-012	12' x 3/4" ID Swivel 3/4" BSPP (M) cut end requires a hose clamp NOT included. order #832760
8561-016	16' x 3/4" ID Swivel 3/4" BSPP (M) cut end requires a hose clamp NOT included. order #832760
8561-020	20' x 3/4" ID Swivel 3/4" BSPP (M) cut end requires a hose clamp NOT included. order #832760
8561-030	30' x 3/4" ID Swivel 3/4" BSPP (M) cut end requires a hose clamp NOT included. order #832760
8562-003	3' x 3/4" ID Swivel 3/4" BSPP (M) - Straight 3/4" BSPP (M)
8569-016	16' x 3/4" ID Swivel 3/4" BSPP (M/M)
8569-020	20' x 3/4" ID Swivel 3/4" BSPP (M/M)
8569-030	30' x 3/4" ID Swivel 3/4" BSPP (M/M)
8569-050	50' x 3/4" ID Swivel 3/4" BSPP (M/M)

HOSE ACCESSORIES



832932	Hose bend restrictors - 12" black poly
---------------	--



832760	Stainless steel hose clamp 3/4"
---------------	---------------------------------

System Components - Meters and Nozzles

METERS AND SOLENOIDS



3120-116 DR Style Meter for DEF
 Inlet/outlet Port: 1" BSPP & flange(M/M)
 Flow Rate: 0.25 - 13.2 gpm (1 - 50 l/min)
 Operating Pressure: 435 psi (30 bar)
 Power: 2 x 1.5v
 alkaline batteries size "AAA"



3120-119 DEF Turbine Meter
 Inlet/outlet Port: 1" BSPP (M/M)
 Flow Rate: 1.3-26.4 gal/min (4.92-99.94 l/min)
 Operating Pressure: 145 psi (10 bar)
 Power: 2 x 1.5v
 alkaline batteries size "AAA"



832867 Meter, pulse-out
 Inlet/outlet Port: 1" BSPP (M/M)
 Flow Rate: 83 PPQ
 Operating Pressure: 145 psi (10 bar)
 Power: 2 x 1.5v
 alkaline batteries size "AAA"



832952 Solenoid
 Inlet/outlet Port: 3/4" NPT (F/F)
 Operating Pressure: 150 psi (10 bar)
 Power: 24V AC
 Wetted Materials: Stainless Steel, Viton

NOZZLES



3340-011 Nozzle, manual
 Polyethylene (PE) 3/4" barb (M)



3340-018 Nozzle, manual
 Polyethylene (PE) 3/4" BSPP (F)



3340-015 Nozzle, manual
 Polyethylene (PE) 1" barb (M)



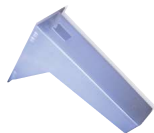
3340-012 Nozzle, automatic shut-off
 Stainless steel (SS), 3/4" BSPP (F)



3340-017 Nozzle, magnetic, 3/4" BSPP (F)



3340-013 Nozzle, magnetic
 21Gu, 1" BSPP (M)



4530-054 Nozzle holder, drip tray

System Components - Electric Pumps



MODELS AVAILABLE

1200-020 120V AC Diaphragm pump

TECHNICAL DATA 120 V AC

Fluid inlet port	3/4" BSPP (M)
Fluid outlet port	3/4" BSPP (M)
Flow Rate	8.5 GPM
Working Pressure	23 psi (1.6 bar)
Power	120V AC
Wetted Materials (pump)	Stainless Steel, Viton, PPE
Service Bulletin	SB 1129

MODELS AVAILABLE

1200-021 12V DC Diaphragm pump

TECHNICAL DATA 12V DC

Fluid inlet port	3/4" BSPP (M)
Fluid outlet port	3/4" BSPP (M)
Flow Rate	9.5 GPM
Working Pressure	23 psi (1.6 bar)
Power	12V DC
Wetted Materials (pump)	Stainless Steel, Viton, PPE
Service Bulletin	SB 1130

MODELS AVAILABLE

1120-025 CF15 Diaphragm pump

TECHNICAL DATA

Air inlet	3/8" NPSM(F)
Fluid inlet port	1/2" NPT(F) & flange / 1/2" NPT(F)(F) DEF
Fluid outlet port	1/2" NPT(F) & flange / 1/2" NPT(F)(F) DEF
Max. Free Flow	14 gal/min (50 l/min)
Air pressure range	45-100 psi (3-7 bar)
Solids in suspension	1/8" (3 mm)
Wetted Materials	PTFE (Teflon®), Viton®, Polypropylene, Stainless Steel, Hytrel®
Service Bulletin	SB1122

MODELS AVAILABLE

1120-031 CF15 Diaphragm pump

TECHNICAL DATA

Air inlet	3/8" NPSM(F)
Fluid inlet port	1" NPT(F) & flange / 1" NPT(F)(F) DEF
Fluid outlet port	1" NPT(F) & flange / 1" NPT(F)(F) DEF
Max. free flow	28 gal/min (100 l/min)
Air pressure range	45-100 psi (3-7 bar)
Solids in suspension	3/16" (4 mm)
Wetted Materials	PTFE Teflon®, Viton®, Polypropylene, Stainless Steel, and Hytrel®
Service Bulletin	SB1124

System Components - Stick Pumps



MODELS AVAILABLE

1200-015 Electric Stick pump drum style

1200-016 Electric Stick pump tote style

TECHNICAL DATA

Outlet port	3/4" barb
Power	120V AC
Service Bulletin	1200-015- SB 1108 1200-016- SB 1109



MODELS AVAILABLE

1300-028 Hand Pump, Manual lever

TECHNICAL DATA

All polypropylene construction, includes a 2" bung adaptor

Outlet port	1" barb
Service Bulletin	SB 1117

System Accessories

ADAPTERS- ELBOW



832772	Poly Hose elbow, 1" BSPP(M) to 3/4" barb
832982	Poly Hose elbow, 1" NPT(M) to 3/4" barb
832964	Stainless steel elbow, 1" BSPP(M) X 3/4" BSPP(F) 90 DEG.

ADAPTERS - HOSE BARB



832775	Poly Hose barb, 1" BSPP(M) to 3/4" barb
832850	Poly Hose barb, 1" NPT(M) to 3/4" barb
832851	Poly Hose barb, 3/4" NPT(M) to 3/4" barb
832890	Poly Hose barb, 1/2" NPT(M) to 3/4" barb



832800	Stainless steel swivel 3/4" BSPP(M) to 3/4" barb
---------------	--

ADAPTERS - COUPLERS (F/F)



832943	Poly coupler, 1" NPT(F) to 1" BSPP(F)
832853	Stainless steel coupler, 1" BSPP(F) to 1" BSPP(F)
832870	Stainless steel coupler, reducer - 1" BSPP(F) to 3/4" BSPP(F)

ADAPTERS - HEX NIPPLE



832873	Poly Adapter, converts 3340-011 manual nozzle from 3/4" barb to 1" BSPP (M) threads
832847	Poly Nipple Adapter, 1" BSPP(M/M)
832929	Poly Nipple Adapter Reducer, 1" BSPP(M) x 3/4" NPT(M)



832909	Stainless steel Adapter, 3/4" NPT(M) to 3/4" BSPP(M)
---------------	--

ADAPTERS - SWIVEL UNION



832947	Stainless steel swivel, 1" BSPP(F) to 3/4" BSPP(M)
---------------	--



832771	Poly swivel, 1" BSPP(M) X 1" BSPP(F)
---------------	--------------------------------------

ADAPTERS-WASHER



832913	3/4" Stainless steel /Viton bonded seal
832880	1" Stainless steel /Viton bonded seal

FILTERS



3250-001	Filter, in-line 10 micron - 3/4" barb (filter included)
832796	Replacement filter for 3250-001 in-line filter, 10 micron

BRACKETS



4530-053	Drum mounting plate for use with 1200-013 Centrifugal pump
-----------------	--



4530-065	Side mount bracket Quickly and easily transfer any portable package to tote package. Bracket securely holds pumps, meter, nozzle, and hose.
-----------------	--



4530-064	CF AODD Pump Shelf For use with the 4530-065 side mount bracket. Add CF AODD pump shelf to attach the CF15 pump to the side mount bracket
-----------------	--

DOLLY BASES AND DRUM CARTS



4320-007	Drum Cart, 55-gal heavy duty <ul style="list-style-type: none"> • Heavy-duty cart easily holds and rolls up to 55 gallon drum • Large semi-pneumatic tires allows for easy maneuvering • Large non-marking rear caster built in break for safe and secure dispensing
-----------------	---



4310-004	Dolly Base, 55-gal heavy duty
-----------------	-------------------------------

Repair Kits

CENTERFLO PUMP REPAIR KITS

PUMP MODELS	REPAIR KIT #	DESCRIPTION
CF15 PUMP 1120-025	833206	AIR VALVE KIT
CF15 PUMP 1120-025	833207	STROKE SENSOR KIT
CF15 PUMP 1120-025	833208	CHECK BALL KIT
CF15 PUMP 1120-025	833211	DIAPHRAGMS KIT - Prior to 2/1/2013
CF15 PUMP 1120-025	833338	DIAPHRAGMS KIT - After to 2/1/2013
CF15 PUMP 1120-025	833341	RETROFIT KIT *
CF15 PUMP 1120-025	833209	BALL SEATS, O-RINGS, BALL GUIDES
CF15 PUMP 1120-025	833210	BUSHING, SEAL, PUSH ROD - Prior to 2/1/2013
CF15 PUMP 1120-025	833332	BUSHING, SEAL, PUSH ROD - After to 2/1/2013
CF30 PUMP 1120-031	833212	AIR VALVE KIT
CF30 PUMP 1120-031	833207	STROKE SENSOR KIT
CF30 PUMP 1120-031	833233	CHECK BALL KIT
CF30 PUMP 1120-031	833216	DIAPHRAGMS KIT - Prior to 2/1/2013
CF30 PUMP 1120-031	833339	DIAPHRAGMS KIT - After to 2/1/2013
CF30 PUMP 1120-031	833342	RETROFIT KIT *
CF30 PUMP 1120-031	833234	BALL SEATS, O-RINGS, BALL GUIDES
CF30 PUMP 1120-031	833235	BUSHING, SEAL, PUSH ROD - Prior to 2/1/2013
CF30 PUMP 1120-031	833335	BUSHING, SEAL, PUSH ROD - After to 2/1/2013

* Include diaphragms, diaphragm nuts, and central shaft - updates pumps prior to 2/1/2013 to new design

AIR DIAPHRAGM PUMP REPAIR KITS

1200-020 120V AC	833415	Kit, bypass valve
1200-020 120V AC	833416	Kit, pump head
1200-020 120V AC	833417	Kit, fan cover
1200-020 120V AC	833418	Kit, electrical connection
1200-021 12V DC	833415	Kit, bypass valve
1200-021 12V DC	833416	Kit, pump head
1200-021 12V DC	833149	Kit, electrical connection 12V pump

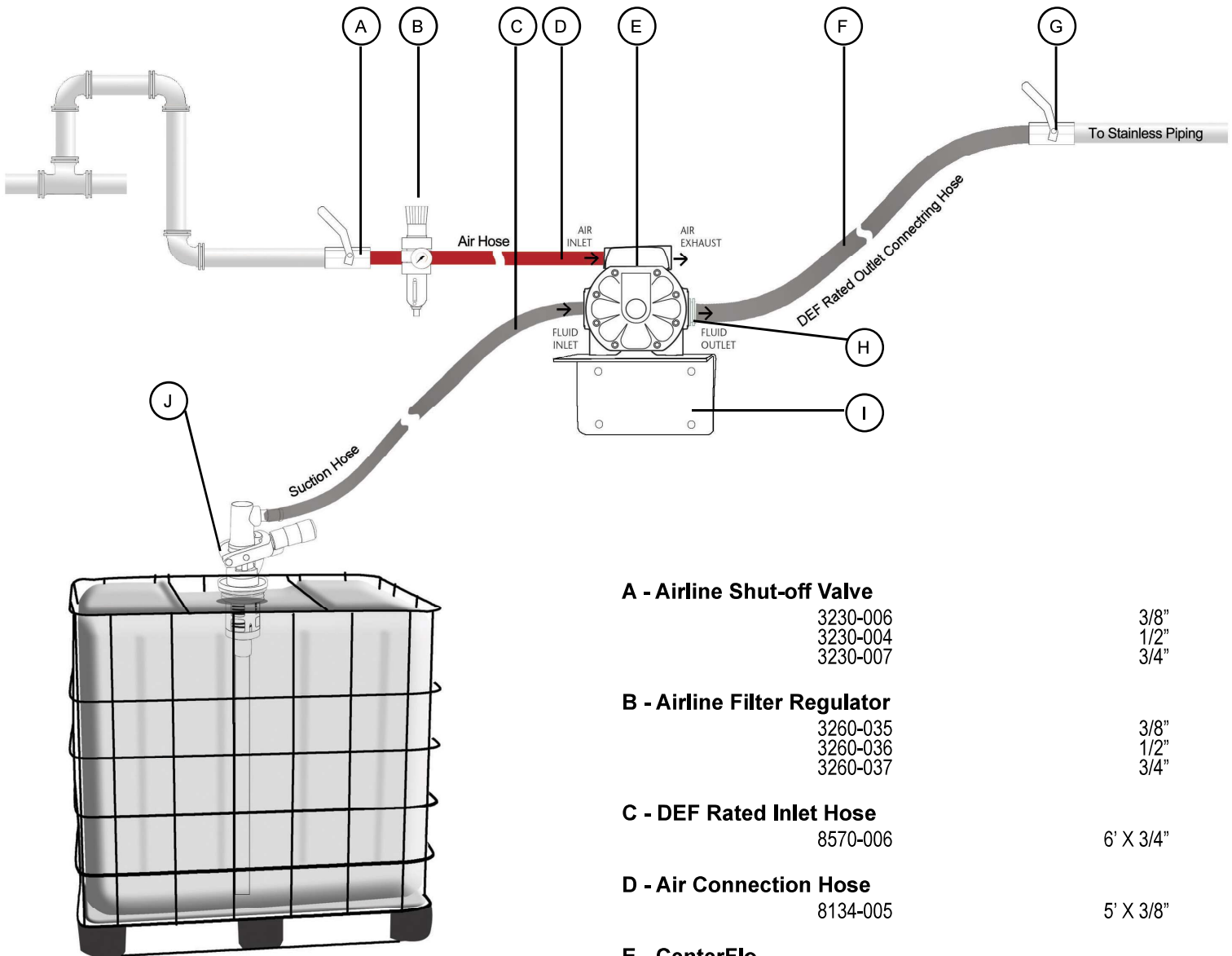
ELECTRIC DIAPHRAGM PUMP REPAIR KITS

1120-020S	832903	Kit, repair 1/2" DEF for 1120-020S air end
1120-020S	832978	Kit, repair 1/2" DEF for 1120-020S wet end
1120-020S	833100	Kit, repair 1/2" DEF for 1120-020S kit, air end seals
1120-021S	832975	Kit, repair 1" DEF for 1120-021S air end
1120-021S	832976	Kit, repair 1" DEF for 1120-021S wet end
1120-021S	833104	Kit, repair 1" DEF for 1120-021S kit, air end seals

ELECTRIC CENTRIFUGAL PUMP REPAIR KITS

1200-013	833135	Kit, seal mechanical - 1200-013
1200-013	833136	Kit, Impeller for 1200-013

DEF Pumping System Layout



A - Airline Shut-off Valve

3230-006	3/8"
3230-004	1/2"
3230-007	3/4"

B - Airline Filter Regulator

3260-035	3/8"
3260-036	1/2"
3260-037	3/4"

C - DEF Rated Inlet Hose

8570-006	6' X 3/4"
----------	-----------

D - Air Connection Hose

8134-005	5' X 3/8"
----------	-----------

E - CenterFlo

1120-025	CF15 Poly/BSPP AODD
1120-031	CF30 Poly/BSPP AODD

F - DEF Rated Outlet Connecting Hose

8561-006	6' x 3/4' Swivel Virgin PVC
832760	3/4" Stainless Steel Clamp

G - Outlet Valve - Stainless Steel

H - Pressure Relief Kit

3120-023	1/2" 125 psi
3120-024	1" 125 psi

I - Wall Mount Bracket

4411-016

J - Suction Kit

includes; RSV series coupler, insert, and dip tube	
4530-045	275 gal tote
4530-046	330 gal tote

Balcrank

Fluid Dispensing Systems

Customer Support

800-747-5300 or 828-645-4261

(Mon. - Fri., 8 am - 5 p.m. ET)

- Order entry
- Product availability and information
- Pricing
- Shipping dates and delivery information
- Return Merchandise Authorization

Order by fax

800-763-0840 or 828-658-0840

- Fax orders day or night
- Free-up phone lines
- Order confirmed next business day by fax or e-mail

Technical Support

800-747-5300 or 828-645-4261

(Mon. - Fri., 8 am - 5 p.m. ET)

- Repair advice
- Product application recommendations
- Warranty claims and returns
- Service bulletins

E-mail Ordering & Online Support

Website:

www.balcrank.com

E-mail:

info@balcrank.com

E-mail Ordering:

orders@balcrank.com

