



true blue

DEF Dispense Systems by **Balcrank**



Balcrank

The Products you want from a Company you Trust

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

The tradition continues with...**true blue diesel exhaust fluid dispensing systems and outfits**. A wide range of true blue systems and outfits have been designed specifically to handle DEF to help reduce vehicle emissions.

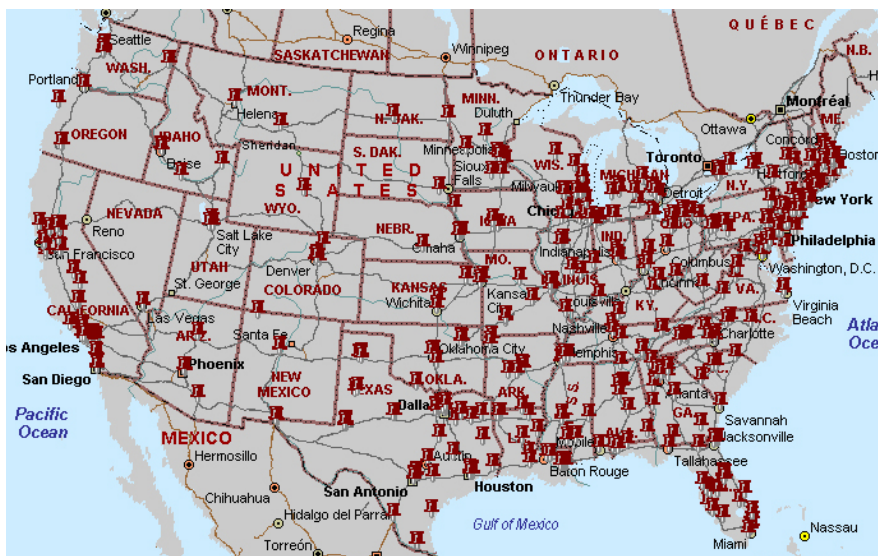
true blue diesel exhaust fluid dispensing systems and outfits are designed to make DEF refills convenient for technicians and drivers.

Diesel exhaust fluid is packaged in tote's, drums and bottles. Balcrank Corporation introduces drum and tote outfits and systems for dealerships, garages, fleets, and commercial facilities.

You are never far from an authorized Balcrank installing distributor. A national network of trained and authorized technicians, stand ready to install and service our equipment.

Balcrank has committed to the pursuit of customers in North America who are using diesel exhaust fluid. In many cases they are existing customers already being served and understand Balcrank's commitment from the existing automotive fluid dispensing markets.

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



Diesel Exhaust Fluid (DEF)

In 2000 and 2001, EPA published the Tier 2 emission standards for light duty and heavy duty vehicles, mandating that on-road diesel and gasoline vehicles meet new strict emission control standards beginning January 1, 2010. Effective that date, no new on-road vehicles can be sold without meeting the Tier 2 emission standard.

In order to meet Tier 2 emission standards, vehicle and engine manufacturers have developed a technology called, Selective Catalytic Reduction (SCR) for diesel engines, which uses diesel exhaust fluid to convert the oxides of nitrogen (NOx) into harmless nitrogen and water.

Diesel exhaust fluid (DEF), also known as AUS 32, is a high purity solution of 32.5% urea in deionized water. DEF is colorless, odorless, non-hazardous, non-flammable, and non-combustible.

A wide range of true blue diesel exhaust fluid (DEF) dispensing equipment, outfits, and systems have been designed specifically to handle diesel exhaust fluid (DEF) which helps assist in the reduction of NOx in order to meet the new Tier 2 standards.

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

Distribution Options:



One-way:

Fill – Transport – Dispense and dispose or recycle



Returnable/Refillable:

Fill – Transport – Dispense and return or refill



On-site refilling:

Fill – Transport – Dispense and refill on-site

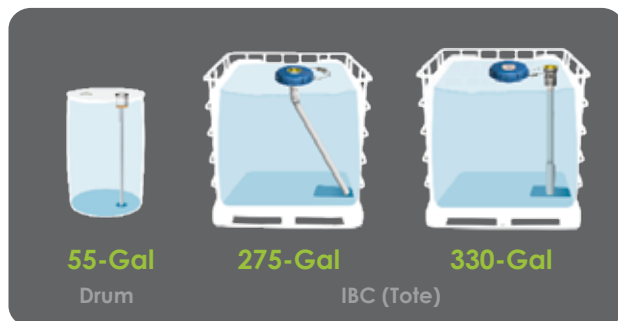
Container Size Options:

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. Container volume /mileage usage may vary depending on vehicle dosage rate.



Open & 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 within. Liquid in container system is sealed and secure, throughout container life cycle.

OPEN system containers are drums or totes (IBC) that do not contain a valve insert in the container's bung opening.

Both **open** and **closed** systems are approved for use in DEF applications. Check with your DEF supplier for fluid warranty details

55 Gallon Drum | Assemble your Outfit

Custom Portable Outfits with Air & Electric Pumps

All base models come with 3ft suction hose, 12ft dispense hose and all hardware. Begin by choosing a non-metered or metered base model number. Note that there is a cart or dolly version. Next, choose the nozzle type – manual, automatic or magnetic. Then, choose the pump type – AODD, electric, or 12Volt. Follow directions on left side of page to complete the outfit to custom specifications or choose from the most popular models on next page. All couplers/kits MUST be ordered separately depending on the type of system you want; DQP, EPV or RSV

1 Choose:
Base Model
(ex. 1220-006)

Base Model

Base Model	Non-Metered	Metered
cart	1220-005	1220-006
dolly	1221-005	1221-006

Note: Optional meter conversion kit #1210-018 will allow end user to move meter from pump to handle. Not required on 1221 models.



1210-006BB

2 Choose:
Nozzle
(ex. 1220-006B)

Nozzle

Model Suffix	Nozzle
A	3340-011, manual poly nozzle, 19mm
B	3340-012, automatic, stainless steel nozzle, 19mm
C	3340-013, magnetic, automatic, nickel plated aluminum nozzle, 19mm

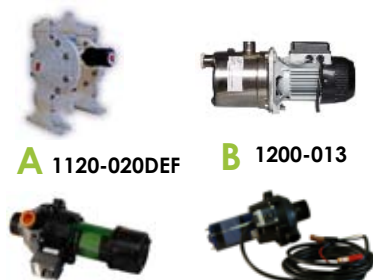


A 3340-011 **B** 3340-012 **C** 3340-013

3 Choose:
Pump
(ex. 1220-006BB)

Pump

Model Suffix	Pump
A	1120-020DEF, air, double diaphragm ½" pump
B	1200-013, electric, 110V, centrifugal pump
C	1200-017, electric, 110V, diaphragm pump
D	1200-014, electric, 12V, diaphragm pump



A 1120-020DEF **B** 1200-013
C 1200-017 **D** 1200-014

4 You now have your assembled outfit selection, now select your suction starter kit.

Suction Starter Kit(s) for Drum

Kit	DQP 4320-007	EPV 4530-032	RSV 4530-042
Includes:			
Coupler	4530-001	4530-026	4530-036
Insert	4530-002	4530-027	4530-037
Key	4530-003	order separately	order separately
Dip Tube	4530-006	4530-031	4530-041



DQP 4320-007 **EPV** 4530-032 **RSV** 4530-042

Your final order will look similar to this:
1220-006BB + 4530-042

This would be a metered portable cart with a auto shut off nozzle and a 110V Centrifugal pump. Additionally, The RSV series suction kit was ordered including the coupler, insert, dip tube for the drum length

55 Gallon Drum | Most Popular Pre-assembled Outfits

Manual Rotary Pump Outfits

- Rotary pump is quick and easy to use – 12 turns of the handle produces 1 gallon of fluid
- Pump housing made from HDPE
- Suitable for low volume shops - great for an emergency back-up pump
- Bung adapter included - securely fasten pump to drum
- Optional 55-Gallon drum dolly can be ordered separately (order #4310-004)

- 1310-001** Outfit, manual-rotary pump, 6' dispense hose, poly spout
1310-002 Outfit, manual-rotary pump, 6' dispense hose, manual nozzle



4310-004



1310-002
Drum not included

Electric Stick Pump Outfits

- ½ horsepower motor, 120 VAC - 3.0 to 6.0 GPM flow rate
- Ergonomic design, safe to run dry - lightweight, rugged and easy to use
- Self priming, self draining - prevents product spills on floor
- 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
- Optional 55-Gallon drum dolly can be ordered separately (model # 4310-004)
- Dispense nozzle options:
 - Manual nozzle, polyethylene (model suffix A)
 - Stainless steel automatic shut-off nozzle (model suffix B)

- 1210-007A** Outfit, non-metered, electric stick pump (1200-015), 6' dispense hose (8550-006) manual nozzle (3340-011)
1210-007B Same features as 1210-007A except with stainless steel automatic shut-off nozzle (3340-012)
1210-008A Outfit, metered, (832773) electric stick pump (1200-015), 6' dispense hose (8550-006) manual nozzle (3340-011)
1210-008B Same features as 1210-008A except with stainless steel automatic shut-off nozzle (3340-012)



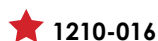
1210-007A
Drum not included

Portable Electric Outfits (Best suited for closed coupler systems)

- Heavy-duty cart - easily holds and rolls up to 55 gallon drum
- 110 VAC stainless steel centrifugal pump - 8 GPM flow rate
- Large semi-pneumatic tires - Allows for easy maneuvering of cart
- Large non-marking rear caster - built in break for safe and secure dispensing
- Stainless steel automatic shut-off nozzle
- Optional, battery powered electronic meter with display

Couplers systems are no longer included in outfits. Please make a selection for your couplers on pg 12 & 13

- 1210-005** Outfit, non-metered, 110VAC centrifugal pump (1200-013), portable drum cart (4320-007), 3' suction hose (8570-003), 12' dispense hose (8561-012) and stainless steel automatic shut-off nozzle (3340-012).
1210-006 Outfit, metered (832773), 110VAC centrifugal pump (1200-013), portable drum cart (4320-007), 3' suction hose (8570-003), 12' dispense hose (8561-012) and stainless steel automatic shut-off nozzle (3340-012).



- 1210-016** Outfit, metered (832773), 110VAC centrifugal pump (1200-013), portable drum cart (4320-007), 6' suction hose (8570-006), 12' dispense hose (8561-012), 3-way diverter with 3' refill hose (8570-003) and stainless steel automatic shut-off nozzle (3340-012).

Note: Coupler Kit for 1210-016, sold separately use kit 4530-049 (EPV) or 4530-050 (RSV)



1210-016
Drum not included

Tote | Assemble your Outfit

Custom Portable Outfits with Air & Electric Pumps

Base model description; all base models come with 3ft suction hose, 12ft dispense hose and all hardware. Begin by choosing a non-metered or metered base model number. Next, choose the nozzle type – manual, automatic or magnetic. Then, choose the pump type – AODD, Electric, or 12Volt. Follow directions on left side of page to complete the outfit to custom specifications or choose from the most popular models on next page. All coupler kits MUST be ordered separately depending on the type of system you want; DQP, EPV or RSV

1 Choose:
Base Model
(ex. 1220-003)

Base Model

Non-Metered	Metered
1220-002	1220-003

Note: Optional meter conversion kit #1210-018 will allow end user to move meter from pump to handle.



1220-003BB

2 Choose:
Nozzle
(ex. 1220-003B)

Nozzle

Model Suffix Nozzle

- A** 3340-011, manual poly nozzle, 19mm
- B** 3340-012, automatic, stainless steel nozzle, 19mm
- C** 3340-013, magnetic, automatic, nickel plated aluminum nozzle, 19mm



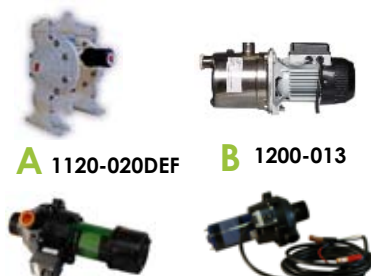
A 3340-011 **B** 3340-012 **C** 3340-013

3 Choose:
Pump
(ex. 1220-003BB)

Pump

Model Suffix Pump

- A** 1120-020DEF, air, double diaphragm ½" pump
- B** 1200-013, electric, 110V, centrifugal pump
- C** 1200-017, electric, 110V, diaphragm pump
- D** 1200-014, electric, 12V, diaphragm pump



A 1120-020DEF **B** 1200-013
C 1200-017 **D** 1200-014

4 You now have your assembled outfit selection, now select your suction starter kit.

Suction Starter Kit(s) for 275 as well as Suction Starter Kit(s) for 330

Kit	DQP 4320-008	EPV 4530-035	RSV 4530-045	DQP 4320-009	EPV 4530-047	RSV 4530-046
includes:						
Coupler	4530-001	4530-026	4530-036	4530-001	4530-026	4530-036
Insert	4530-002	4530-027	4530-037	4530-002	4530-027	4530-037
Key	4530-003	order separately	order separately	4530-003	order separately	order separately
Dip Tube(s)	4530-005	4530-034	4530-044	4530-004	4530-033	4530-043
(on EPV and RSV models, center mount & off-center mount dip tubes are both included)		4530-030	4530-040		4530-029	4530-039

Your final order will look similar to this:
1220-003BB + 4530-045

This would be a metered outfit, with top mounting plate, 3' suction hose, 12' dispense hose with auto shut-off nozzle, & 110V Centrifugal pump. Additionally, The RSV series suction kit was ordered including the coupler, insert, dip tube for the 275 gallon length

Tote | Most Popular Pre-assembled Outfits

Couplers systems are no longer included in outfits. Please make a selection for your couplers on pg 12 & 13

Electric Centrifugal Pump Outfits (Best suited for closed coupler systems)

- 110 VAC stainless steel centrifugal pump - 8 GPM flow rate
- Optional, battery powered electronic meter with display
- Dispense nozzle options:
 - Stainless steel automatic shut-off nozzle
 - Manual nozzle, polyethylene

- 1210-001** Outfit, top mounting plate (4530-051), non-metered, 110VAC centrifugal pump (1200-013), 3' suction hose (8570-003), 12' dispense hose (8561-012) and manual poly nozzle (3340-011)
- 1210-002** Same features as 1210-001 except with stainless steel automatic shut-off nozzle (3340-012)
- 1210-003** Outfit, top mounting plate (4530-051), metered (832773), 110VAC centrifugal pump (1200-013), 3' suction hose (8570-003), 12' dispense hose (8561-012) and stainless steel automatic shut-off nozzle (3340-012)



1210-003
Tote not included

Tote Outfits

Electric Stick Pump Outfits

- 4 speed 2/3 horsepower motor, 120 VAC -10 GPM flow rate
- Ergonomic design, safe to run dry - lightweight, rugged and easy to use
- Self priming, self draining - prevents product spills on floor
- Integral clip to hang the pump for storage when not in tote - keeps dirt out of pump tube.
- Bung adapter included - securely fasten pump to drum
- Dispense nozzle options:
 - Manual nozzle, polyethylene (model suffix A)
 - Stainless steel automatic shut-off nozzle (model suffix B)

- 1210-009A** Outfit, non-metered, electric stick pump (1200-016), 12' dispense hose (8561-012), manual nozzle (3340-011)
- 1210-009B** Same features as 1210-009A except has stainless steel automatic shut-off nozzle (3340-012)
- 1210-010A** Outfit, metered, (832773) electric stick pump (1200-016), 12' dispense hose (8561-012), manual nozzle (3340-011)
- 1210-010B** Same features as 1210-010A except with stainless steel automatic shut-off nozzle (3340-012)



1210-009B
Tote not included

Indoor | Outdoor Outfits

Indoor Dispensers | Ideal for when fluid is placed in an area with limited access

Best choice for high volume indoor dispenser for non-retail applications

- Powder coated white steel cabinet – provides excellent durability and corrosion resistance
- Industrial cabinet protects pump, reel and meter in harsh applications
- Dimensions: 24"W x 48"H x 12"D
- Steel base, built tough - for bolting and securing to shop floor
- Easy access door built into cabinet – provides easy review and inspection of hose connection and equipment
- Positive displacement rotating disk meter, +/- 0.5% accuracy for secures meter readings every time.
- 16ft. x 3/4" hose reel, stainless steel fluid passage (2400-007) – keeps hose off floor and promotes longer hose life
- Stainless steel automatic shut-off nozzle (3340-012)



7400-004 Indoor dispenser cabinet is ideal when storage container is placed in back room with pump placed at container pushing DEF supply to dispenser cabinet on service lane. This cabinet includes: Steel cabinet, powder coat white finish, flow meter, 16' x 3/4" hose reel (2400-007), hanging hardware, fluid connection provided to exterior of cabinet, drip tray for nozzle, and stainless steel automatic shut-off nozzle (3340-012).

7400-005 Same as 7400-004 but with an internal pump (1200-017) installed in cabinet, this model intended to be used when DEF storage container is setting next to dispensing cabinet.

Optional equipment that can be added to models 7400-004 and 005:

- Exterior mounted pump - use (1120-021)
- 30ft x 3/4" hose reel – maximum hose length that can be mounted in cabinet (2400-009)
- Pulse meter – for use with host card/inventory systems - use (832867) - Pulses per unit are -100
- Solenoid valve, stainless steel – used to turn fluid flow off at dispense point - use (832952)
- Filter housing, Poly, 10-micron – can be placed inside cabinet - use (3250-001)
- Magnetic, automatic, nickel plated aluminum nozzle, 19mm – use (3340-013)

Outdoor Dispensers | Designed for Commercial and Fleet Applications

7400-060 DEF Outdoor Dispenser / Designed for Commercial and Fleet Application:

Our 7400-060 outdoor DEF dispensing cabinet is designed for installations where fluid is stored away from the dispense point (service lanes, fueling islands). Lockable Cabinet secures hose, nozzle, meter and hose reel and keep equipment from freezing. This dispense cabinet can be used in conjunction with third party storage unit. Its all-weather cabinet design works well for commercial and private fleet locations where durability, ruggedness and affordability are required. The 7400-060 is a solid return on investment due to its high reliability and low cost of ownership.

- Its powder coated white finish - provides excellent durability and corrosion resistance
- The industrial enclosure protects the pump, reel, meter, and DEF product - when placed in harsh applications
- Thermostatically controlled heater- prevents equipment and DEF from freezing
- Rugged steel base - for bolting and securing to foundation
- Easy access lockable doors – provides security, easy review/inspection of hose and equipment fluid connections
- Small foot print dimension: 15"W x 68"H x 48"D
- Insulated ceiling, walls and doors - meets heat loss factor R-4
- Electrical disconnect is rain/sleet/ice proof, and dust tight - rated for indoor/outdoor application, NEMA 12R/12, 600V max. Single throw action, UL Listed
- Positive displacement rotating disk meter (832896), +/- 0.5% Accurate, easy to read for simple tracking of DEF inventory dispenses
- 16ft. x 3/4" hose reel, stainless steel fluid passage (2400-007) - stores hose conveniently inside heated cabinet and out of harm's way
- Stainless steel automatic shut-off nozzle (3340-012) - robust and rugged design for continuous use in harsh environments
- Optional pulser output for interface to popular commercial card lock systems
- Volume measurement available in gallons, liters or imperial gallons



Optional equipment that can be added to model 7400-060:

- 30ft x 3/4" hose reel – maximum hose length that can be mounted in cabinet (2400-009) - stores hose conveniently inside heated cabinet and out of harm's way
- Pulse meter – for use with host card/inventory systems - use (832867) - Pulses per unit are - 100
- Solenoid valve, stainless steel – used to turn fluid flow off near dispense point - use (832952)
- Filter housing, poly, 10-micron filter – can be placed inside cabinet - use (3250-001)
- Magnetic, automatic, nickel plated aluminum nozzle, 19mm – use (3340-013)

Outdoor Dispensers | Designed for Commercial and Fleet Applications

7400-050 Outdoor Enclosed Dispenser Cabinet

Our 7400-050 is the only system you will ever need! It has been designed with future expansion expected! This system allows you to change it as your diesel exhaust fluid usage increases. Its unique design capability allows you to add a second dispenser when needed to dispense product to that second service lane as your vehicle count grows, or you may have taken on several new vehicles that have caused you to double your diesel exhaust fluid usage. Again the unique design of the 7400-050 allows you to easily double your DEF capacity up to 660 gallons (2 totes) by adding a second fluid enclosure model (7400-070) listed below.

- Its powder coated white finish - Provides excellent durability and corrosion resistance
- Its industrial enclosure protects the pump, reel, meter and DEF product - when placed in harsh applications
- Thermostatically controlled heater- prevents equipment and DEF from freezing
- Rugged steel base - for bolting and securing to foundation
- Easy access lockable doors – provides security, easy review/inspection of hose and equipment fluid connections
- Dimension: 73"W x 68"H x 48"D - easily fits on island if required, accommodates two-55 gal lon drums or one 275/330 gallon tote
- Insulated ceiling, walls and doors - meets heat loss factor R-4
- Electrical disconnect is rain/sleet/ice proof, and dust tight - rated for indoor/outdoor application, NEMA 12R/12, 600V max./ Single throw action, UL Listed
- Positive displacement nutating disk meter (832896) - +/- 0.5% Accurate, easy to read for simple tracking for cabinet and out of harm's way
- 16ft. x 3/4" hose reel, stainless steel fluid passage (2400-007) - stores hose conveniently inside headed cabinet and out of harm's way
- Stainless steel automatic shut-off nozzle (3340-012) - Robust and rugged design for continuous use in harsh environments



Optional equipment that can be added to models 7400-050:

- 30ft x 3/4" hose reel – maximum hose length that can be mounted in cabinet (2400-009)
- Pulse meter – for use with host card/inventory systems - use (832867) - Pulses per unit are -100
- Solenoid valve, stainless steel – used to turn fluid flow off near dispense point - use (832952)
- Filter housing, poly, 10-micron filter – can be placed inside cabinet - use (3250-001)
- Magnetic, automatic, nickel plated aluminum nozzle, 19MM – use (3340-013)

7400-070 Outdoor DEF Enclosure Only

The 7400-070 is used to double diesel exhaust fluid tank capacity, can also be used in conjunction with a third party dispenser. By adding this enclosure to your existing outfit you can easily and cost effectively double your DEF tank capacity and add a second 330 gallon totes to give you a combined capacity of 660 gallons of DEF

Accessories

Hoses

Hose Clamps

832760 Hose clamp - $\frac{3}{4}$ " SS



832760

Hose Reels

2400-001 Hose reel bare up to 30' - $\frac{3}{4}$ " BSPP

2400-002 Hose reel with 16' hose - $\frac{3}{4}$ " BSPP

2400-003 Hose reel with 30' hose - $\frac{3}{4}$ " BSPP

2400-004 Hose reel bare up to 50' - $\frac{3}{4}$ " BSPP

2400-005 Hose reel with 50' hose - $\frac{3}{4}$ " BSPP

New!

2400-006 Hose reel bare up to 30' - $\frac{3}{4}$ " BSPP

2400-007 Hose reel with 16' hose - $\frac{3}{4}$ " BSPP

2400-008 Hose reel with 20' hose - $\frac{3}{4}$ " BSPP

2400-009 Hose reel with 30' hose - $\frac{3}{4}$ " BSPP



2400-001

Hose - Suction Hose* (before pump)

8550-006 Hose, clear - $\frac{3}{4}$ " w/ hose clamps, 100% virgin PVC - 6'

8550-012 Hose, clear - $\frac{3}{4}$ " w/ hose clamps, 100% virgin PVC - 12'

8570-003 Hose, $\frac{3}{4}$ " w/ hose clamps - 3', specially formulated polyurethane

8570-006 Hose, $\frac{3}{4}$ " w/ hose clamps - 3', specially formulated polyurethane



8550-006

Hoses - Fluid Outlet* (after pump)

8560-003 Hose, $\frac{3}{4}$ " w/ hose clamps - 3', specially formulated polyurethane

8560-012 Hose, $\frac{3}{4}$ " w/ hose clamps - 12', specially formulated polyurethane

8561-003 Hose, $\frac{3}{4}$ " w/ 1 hose clamp & $\frac{3}{4}$ " BSPP (M) swivel - 3'

8561-006 Hose, $\frac{3}{4}$ " w/ 1 hose clamp & $\frac{3}{4}$ " BSPP (M) swivel - 6'

8561-012 Hose, $\frac{3}{4}$ " w/ 1 hose clamp & $\frac{3}{4}$ " BSPP (M) swivel - 12'

8561-016 Hose, $\frac{3}{4}$ " w/ 1 hose clamp & $\frac{3}{4}$ " BSPP (M) swivel - 16'

8561-020 Hose, $\frac{3}{4}$ " w/ 1 hose clamp & $\frac{3}{4}$ " BSPP (M) swivel - 20'

8561-030 Hose, $\frac{3}{4}$ " w/ 1 hose clamp & $\frac{3}{4}$ " BSPP (M) swivel - 30'

8569-016 Hose, $\frac{3}{4}$ " w/ $\frac{3}{4}$ " BSPP (M) swivel & $\frac{3}{4}$ " BSPP (M) swivel - 16'

8569-020 Hose, $\frac{3}{4}$ " w/ $\frac{3}{4}$ " BSPP (M) swivel & $\frac{3}{4}$ " BSPP (M) swivel - 20'

8569-030 Hose, $\frac{3}{4}$ " w/ $\frac{3}{4}$ " BSPP (M) swivel & $\frac{3}{4}$ " BSPP (M) swivel - 30'

8569-050 Hose, $\frac{3}{4}$ " w/ $\frac{3}{4}$ " BSPP (M) swivel & $\frac{3}{4}$ " BSPP (M) swivel - 50'



8570-006



8560-012

*All hoses are Specially Formulated Polyurethane unless stated otherwise

Couplers



Drum Quik Pro (DQP)

- 4530-001** Coupler, DQP series - poly - 3/4" barb
- 832769** Replacement filter, air - used on 4530-001
- 4530-002** Insert, drum, DQP series 2.5" American buttress
- 4530-003** Key, drum - DQP
- 4530-004** Tube, dip - DQP series 330 gal length
- 4530-005** Tube, dip - DQP series 275 gal length
- 4530-006** Tube, dip - DQP series drum length



4530-001



4530-002

Kits:

- 4530-007** **Suction Kit, DQP series - includes:**
coupler, insert, key & 55 gallon drum dip tube
- 4530-008** **Suction Kit, DQP series - includes:**
coupler, insert, key & 275 gallon tote dip tube
- 4530-009** **Suction Kit, DQP series - includes:**
coupler, insert, key & 330 gallon tote dip tube



4530-003



4530-004

Couplers Economic Plastic Valve (EPV)

- 4530-026** Coupler - EPV series - ss - 3/4" barb
4530-027 Insert - EPV series - poly, 2.5" American buttress
4530-028 Key - EPV series
4530-029 Dip tube, EPV 330 tote - side
4530-030 Dip tube, EPV 275 tote - side
4530-031 Dip tube, EPV 55 drum
4530-033 Dip tube, EPV 330 tote - center
4530-034 Dip tube, EPV 275 tote - center



4530-026



4530-027



4530-028

Kits:

- 4530-032** **Suction Kit, EPV series - includes:**
 coupler, insert, & 55-gallon drum dip tube
4530-035 **Suction Kit, EPV series - includes:**
 coupler, insert, & 275 gallon tote dip tube
4530-047 **Suction Kit, EPV series - includes:**
 coupler, insert, & 330 gallon tote dip tube
4530-049 **1210-016 suction kit, EPV series - includes:**
 2 couplers, 2 inserts, 3 dip tubes
 (55 gal drum, 275 center, & 330 center)



4530-029

Couplers Reusable Stainless Valve (RSV)

- 4530-036** Coupler, RSV series ss - 3/4" barb
4530-048 Coupler, RSV, fill head 1" NPT
4530-037 Insert, drum, RSV series 2.5" American buttress
4530-038 Key, RSV series
4530-039 Dip Tube, RSV 330 tote - side
4530-040 Dip Tube, RSV 275 tote - side
4530-041 Dip Tube, RSV 55 drum
4530-043 Dip Tube, RSV 330 tote - center
4530-044 Dip Tube, RSV 275 tote - center



4530-036



4530-037



4530-038

Kits:

- 4530-042** **Suction Kit, RSV series - includes:**
 coupler, insert, & 55-gallon drum dip tube
4530-045 **Suction Kit, RSV series - includes:**
 coupler, insert, & 275 gallon tote dip tube
4530-046 **Suction Kit, RSV series - includes:**
 coupler, insert, & 330 gallon tote dip tube
4530-050 **1210-016 suction kit, RSV series - includes:**
 coupler, fill head, 2 inserts, 3 dip tubes
 (55 gal drum, 275 center, & 330 center)



4530-048



4530-039

Nozzles

- 3340-011** Manual nozzle, polyethylene 3/4" barb (choice A)
3340-012 Stainless steel automatic shut-off nozzle 3/4" BSPP (F) (choice B)
3340-013 Nozzles, 21 Gu (magnetic) 1" BSPP (M) (choice C)
4530-054 Drip tray



Meters & Solenoid

- 832773** Meter, 1" BSPP (M)/(M)
832867 Meter, pulse-out - 1" BSPP (M)/(M) pulses per unit are 100
832896 Meter, 1" NPT (M)/(M)
832952 Solenoid, SS, 3/4" NPT (F)/(F), 24V AC, pressure rating = 150 PSI



Pumps

- 1120-020DEF** 1/2" air diaphragm pump 3/4" barb
1120-021 1" air diaphragm pump 1" NPT
1120-022 1-1/2" air diaphragm pump - 1-1/2" NPT
1200-013 Electric centrifugal pump - 110V - 3/4" barb
1200-014 Electric diaphragm pump - 12V DC (rated for outdoor use) - 3/4" barb
1200-015 Electric stick pump (drum) - 120V - 3/4" barb
1200-016 Electric stick pump (tote) - 120V - 3/4" barb
1200-017 Electric diaphragm pump - 110V - 3/4" barb
1200-018 Electric rotary vane pump - 110V - 3/4" barb
1300-027 Rotary hand pump - 3/4" barb



Adapters

- 832771** Poly swivel, 1" M BSPP
832772 Poly hose elbow, 1" BSPP (M) to 3/4" barb
832774 SS elbow, 1" BSPT (M) to 1" BSPP (F)
832775 Poly hose Barb, 1" BSPP (M) to 3/4" barb
832800 SS swivel 3/4" 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
832853 SS coupler, 1" BSPP (F) to 1" BSPP (F)
832870 Coupler, reducer - 1" BSPP (F) to 3/4" BSPP (F)
832872 Adapter, 1" BSPP (M) TO 3/4" BSPP (M)
832873 Adapter, converts 3340-011 manual nozzle from 3/4" barb to 1" BSPP (M) threads
832880 1" SS/viton bonded seal
832890 Poly hose barb, 1/2" NPT (M) to 3/4" barb
832909 Adapter, 3/4" NPT (M) to 3/4" BSPP (M)
832913 3/4" SS /viton bonded seal
832924 6" tote center cap - 2.5" American buttress ID threads
832932 Hose Bend restrictor - 12" black poly
832843 SS coupler, 1" NPT (F) to 1" BSPP (F)
832947 SS swivel, 1" BSPP (F) to 3/4" BSPP (M)



832771



832772



832774



832775

Filters

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



3250-001

Brackets

- 4530-051** Tote top mounting plate
4530-053 Drum mounting plate
4530-055 Wall mount bracket



4530-051



4530-053

Conversion Kits

- 1210-017** Diverter conversion kit: retrofitting a 1210-006 and converting to a 1210-016
1210-018 Meter relocation kit: for relocating meter from pump to nozzle



true blue

DEF Dispense Systems by **Balcrank**

Customer Support

800-747-5300 or 828-645-4261 (M-F, 8 am - 5 pm ET)

- Order entry
- Product availability
- Pricing
- Basic product information
- Shipping dates and delivery information
- Product return 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 email

Technical Support

800-747-5300 or 828-645-4261 (M-F, 8 am - 5 pm ET)

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

Email Ordering & Online Support

- www.balcrank.com - web site
- info@balcrank.com - email
- orders@balcrank.com - email ordering

Service Bulletins

- http://www.balcrank.com/Service/service_bulletins.com

