


DIESEL EXHAUST FLUID CATALOG



ROAD CHOICE[®]
TRUCK PARTS



We are committed to keeping
trucks on the road and moving
forward by providing quality parts
to all who repair heavy-duty vehicles.

CONFIDENCE.
COVERAGE.
COMMITMENT.

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**Parts that keep you moving.
Quality that keeps you coming back.**

DIESEL EXHAUST FLUID

WHAT IS ROAD® CHOICE DEF DIESEL EXHAUST FLUID?

Road Choice® DEF is a mixture of 32.5 percent high-purity synthetic urea and 67.5 percent deionized water that is used in Selective Catalytic Reduction (SCR) systems on diesel engines. DEF is the primary ingredient used to help convert nitrogen oxides to harmless nitrogen and water. Road Choice DEF is stable, colorless, non-flammable, non-toxic and classified as minimum risk for transportation. Road Choice DEF conforms to the ISO-22241-1 specification for DEF, is API registered and meets or exceeds OEM specifications.

PHYSICAL AND CHEMICAL PROPERTIES	
Boiling Point	>212° F
Crystallization Point	12° F
Pounds/Gallons	9.09
Specific Gravity (Water=1)	1.09
Vapor Pressure (mm of Hg)	Not applicable
Vapor Density (Air=1)	0.6 HO >1
Water Solubility	100%
Appearance	Colorless, clear liquid
Odor	None to slight ammonia
Evaporation Rate	<1

ROAD CHOICE DEF HANDLING AND STORAGE

The shelf life of DEF is directly related to the temperature at which it is stored. Storage temperatures between 12°F and 86°F are recommended to maintain optimal shelf life of up to two years. If Road Choice DEF freezes, its efficacy will not be affected on thawing. To maintain the purity of DEF and not harm the SCR Catalyst System, care must be taken with all materials that come in contact with the DEF solution. Included from the ISO-22241-1 standards are the materials recommended and not recommended for contact with DEF.

MATERIALS RECOMMENDED FOR USE WITH DEF

- Highly alloyed austenitic CrNiMo steels or stainless steel 304 (S30400), 304L (S30403), 316 (S31600), and 316L (S31603) in accordance with ASTM A240, ASTM A276, and ASTM A312
- Titanium
- Nickel, molybdenum, chromium, manganese, copper, silicone and iron alloys (e.g., Hastelloy c/c-276)
- Polypropylene, free of additives
- Polyethylene, free of additives
- Perfluoroalkoxyl Alkane (PFA), free of additives
- Polyfluoroethylene (PFE), free of additives
- Polyvinylidene fluoride (PVDF), free of additives
- Polytetrafluoroethylene (PTFE), free of additives
- Copolymers of vinylidene fluoride and hexafluoropropylene, free of additives

MATERIALS NOT RECOMMENDED FOR USE WITH DEF

- Carbon steels, zinc-coated carbon steels and mild iron
- Non-ferrous metals and alloys including: copper, copper alloys, zinc and lead
- Solders containing lead, silver, zinc or copper
- Aluminum, aluminum alloys
- Magnesium, magnesium alloys
- Plastics or metals coated with nickel

DIESEL EXHAUST FLUID

PACKAGING OPTIONS



	2.5 Gallon	55-Gallon Drum Part# DEF001S (Stainless Steel Valve)	275-Gallon Tote Part# DEF275S (Stainless Steel Valve)
Weight/Case	22.75 lbs.	522.5 lbs. (per drum)	2,635 lbs. (per tote)
Case Dimensions	9.5"W x 9.5"L x 10"H	22.5" dia. x 35.5"H	39.375"W x 47.25"L x 45.75"H
Cases Per Pallet	80	4 (drums)	1 (tote)
Pallets/Cases Per Truck	22 / 1,760	20	14
Units Per Truck	1,760	80	14
Truckload Weight*	41,140 lbs.	42,800 lbs.	37,950 lbs.
Pallet Size	40"W x 48"L x 44.75"H	40"L x 48"W x 40.25"H	40"L x 48"W x 50.5"H
Pallet Weight*	1,870 lbs.	2,140 lbs.	2,685 lbs.
Cases/Rows High	20/4		

*includes product and pallet weight (50 lbs. each)

DEF TERRITORY PROGRAM



Road Choice Diesel Exhaust Fluid (DEF) offers the highest quality DEF in 2.5 gallon jugs (9.46 liters), 55 gallon drums (208 liters), 330 gallon (U.S.)/275 gallon (C.A.) totes or Bulk Fill (5,200 gallons) from production and distribution facilities all over the United States and Canada.

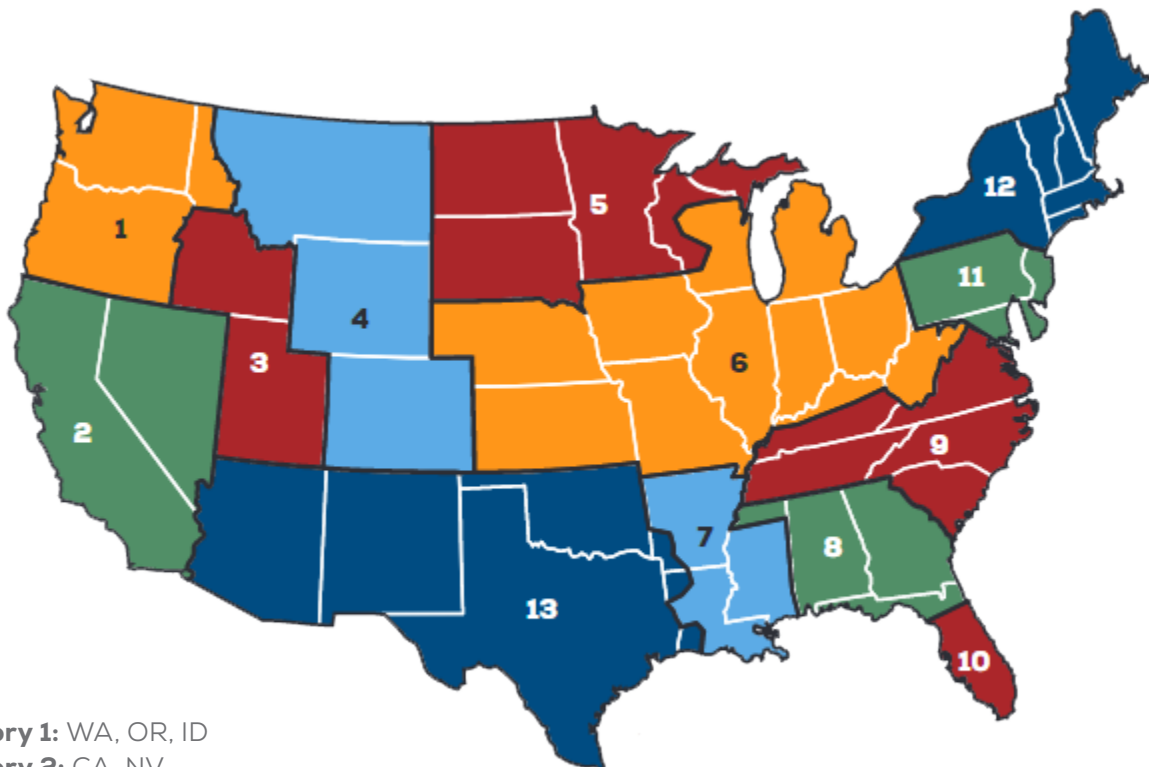
In order to provide the best possible price to the market, we have created individual part numbers for various territories/provinces of each country; please reference the territory maps on the following pages. For example, if you are based in Iowa in Territory 6, you would order part numbers with the T6 suffix. Similarly, dealers in Texas in Territory 13 would order part numbers with a T13 suffix.

Road Choice DEF and DEF Equipment conforms to the ISO-22241 specification for DEF, is API registered and meets or exceeds OEM specifications.

DEF TERRITORY PROGRAM

UNITED STATES

U.S. PRICE TERRITORIES	2.5 GAL JUG	55 GAL DRUM	330 GAL TOTE	TOTE FILL (LTL BULK)	BULK FILL (TL BULK)
Road Choice Base Part Number	DEF002	DEF001	DEF330P	DEF030FX	DEF030
Territory #1 Part Number	DEF002T1	DEF001T1	DEF330PT1	DEF030FXT1	DEF030T1
Territory #2 Part Number	DEF002T2	DEF001T2	DEF330PT2	DEF030FXT2	DEF030T2
Territory #3 Part Number	DEF002T3	DEF001T3	DEF330PT3	DEF030FXT3	DEF030T3
Territory #4 Part Number	DEF002T4	DEF001T4	DEF330PT4	DEF030FXT4	DEF030T4
Territory #5 Part Number	DEF002T5	DEF001T5	DEF330PT5	DEF030FXT5	DEF030T5
Territory #6 Part Number	DEF002T6	DEF001T6	DEF330PT6	DEF030FXT6	DEF030T6
Territory #7 Part Number	DEF002T7	DEF001T7	DEF330PT7	DEF030FXT7	DEF030T7
Territory #8 Part Number	DEF002T8	DEF001T8	DEF330PT8	DEF030FXT8	DEF030T8
Territory #9 Part Number	DEF002T9	DEF001T9	DEF330PT9	DEF030FXT9	DEF030T9
Territory #10 Part Number	DEF002T10	DEF001T10	DEF330PT10	DEF030FXT10	DEF030T10
Territory #11 Part Number	DEF002T11	DEF001T11	DEF330PT11	DEF030FXT11	DEF030T11
Territory #12 Part Number	DEF002T12	DEF001T12	DEF330PT12	DEF030FXT12	DEF030T12
Territory #13 Part Number	DEF002T13	DEF001T13	DEF330PT13	DEF030FXT13	DEF030T13



Territory 1: WA, OR, ID

Territory 2: CA, NV

Territory 3: ID, UT

Territory 4: MT, WY, CO

Territory 5: ND, SD, MN, MI, WI

Territory 6: NE, KS, IA, MO, WI,
IL, IN, MI, OH, KY, WV

Territory 7: AR, LA, MS

Territory 8: MS, AL, GA, FL

Territory 9: KY, TN, VA, NC, SC

Territory 10: FL

Territory 11: PA, MD, NJ, DE

Territory 12: NY, VT, NH, CT, MA

Territory 13: TX, OK, LA, AR, NM, AZ

DEF TERRITORY PROGRAM

CANADA

CANADIAN PRICE TERRITORIES	2.5 GAL JUG*	55 GAL DRUM*	275 GAL TOTE	TOTE FILL (LTL BULK)	BULK FILL (TL BULK)
Road Choice Base Part Number	DEF022C	DEF001C	DEF275PC	DEF030FXC	DEF030C
Alberta (AB) Part Numbers	DEF022CAB	DEF001CAB	DEF275PCAB	DEF030FXCAB	DEF030CAB
British Columbia (BC) Part Numbers	DEF022CBC	DEF001CBC	DEF275PCBC	DEF030FXCBC	DEF030CBC
Manitoba (MB) Part Numbers	DEF022CMB	DEF001CMB	DEF275PCMB	DEF030FXCMB	DEF030CMB
New Brunswick (NB) Part Numbers	DEF022CNB	DEF001CNB	DEF275PCNB	DEF030FXCNB	DEF030CNB
Newfoundland & Labrador (NL) Part Numbers	DEF022CNL	DEF001CNL	DEF275PCNL	DEF030FXCNL	DEF030CNL
Nova Scotia (NS) Part Numbers	DEF022CNS	DEF001CNS	DEF275PCNS	DEF030FXCNS	DEF030CNS
Ontario (ON) Part Numbers	DEF022CON	DEF001CON	DEF275PCON	DEF030FXCON	DEF030CON
Quebec (QC) Part Numbers	DEF022CQC	DEF001CQC	DEF275PCQC	DEF030FXCQC	DEF030CQC
Saskatchewan (SK) Part Numbers	DEF022CSK	DEF001CSK	DEF275PCSK	DEF030FXCSK	DEF030CSK
Yukon Territory (YT) Part Numbers	DEF022CYT	DEF001CYT	DEF275PCYT	DEF030FXCYT	DEF030CYT
Northern Territory (NT) Part Numbers	DEF022CNT	DEF001CNT	DEF275PCNT	DEF030FXCNT	DEF030CNT



CITY

Port Coquitlam
Nisku
*Regina
*Winnipeg
*Calgary
Milton
Montreal
St. John

PROVINCE

BC - British Columbia
AB - Alberta
SK - Saskatchewan
MB - Manitoba
AB - Alberta
ON - Ontario
QC - Quebec
NB - New Brunswick

WH CODE

RV
RC
RC
RC
RW
RM
RL
RI

*Packaged good not available for pick up or will call orders

DEF TOTE PROGRAM

UNITED STATES

Road Choice Totes are fully equipped with a valve and down tube. Pricing for a 330 gallon tote (DEF330P) includes the cost of the tote container and 330 gallons of Diesel Exhaust Fluid, there is no additional charge or core fee for these products. After the initial purchase of a 330 gallon tote, totes can be refilled using the Tote Refill Part Number (DEF030FX) Road Choice DEF distributor assigned to your corresponding territory.

CANADA

Road Choice Totes are fully equipped with a valve and down tube. Please note, there is a \$325 CA core charge for the 275 gallon (1,040 liter) tote that will be invoiced directly to the dealer by supplier.



DEF DRUM SOLUTIONS

DRUM PUMP SYSTEMS (Drum Not Included)

For dispensing DEF from IBC drum packaging

Note: Requires drum coupler DEF756-008B except lever pump

1/3 HP DIAPHRAGM PUMP WITH POLYPROPYLENE MANUAL NOZZLE

- Polypropylene manual nozzle
- Self-priming
- Dual voltage 115v/60Hz
- Flow rate of 7 to 9 GPM
- 4' suction hose
- Stainless steel pump bracket
- Kit includes clamps for attaching hoses
- **Drum and tote applicable**
- **Drum not included**



DEFTB10MN
10' dispense hose
DEFTB20MN
20' dispense hose

1/3 HP DIAPHRAGM PUMP WITH STAINLESS STEEL AUTOMATIC SHUT-OFF NOZZLE

- Stainless steel automatic shut-off nozzle
- Self-priming
- Dual voltage 115v/60Hz
- Flow rate of 7 to 9 GPM
- 4' suction hose
- Stainless steel pump bracket
- Kit includes clamps for attaching hoses
- **Drum and tote applicable**
- **Drum not included**



DEFTB10SN
10' dispense hose
DEFTB20SN
20' dispense hose

PORTABLE 12V DRUM PUMP

- Stainless steel automatic shut-off nozzle
- Carbon steel pump caddy
- Self-priming
- 12-volt DC
- Flow rate of 6 to 8 GPM
- 12' power cord
- Polypropylene pump housing
- 4' suction hose
- Kit includes clamps for attaching hoses
- **Drum not included**



DEF12V10SN
10' dispense hose
DEF12V20SN
20' dispense hose
DEF12V30SN
30' dispense hose

DEF LEVER PUMP WITH HOSE

- **For use with plastic drums ONLY**
- Industrial-grade polypropylene housing
- Flow rate of 6 GPM
- Manual nozzle with locking pin
- Includes 2" bung adaptor
- Should only be used on Road Choice DEF drums with plastic valves (DEF001)
- 90-day warranty
- **Drum not included**

Note: This pump does not utilize the Micromatic adapter or fitting.



DEFR12068010
10' dispense hose

DEF DRUM SOLUTIONS

MOBILE DRUM CARTS (Drum Not Included)

Note: Requires drum coupler DEF756-008B

MOBILE DRUM CART WITH PUMP

- Diaphragm pump
- Self-priming
- Stainless steel automatic shut-off nozzle
- 4' suction hose
- Kit includes clamps for attaching hoses
- **Drum not included**



DEFTB10SN-MC

1/3 HP
10' dispense hose
Dual voltage 115v/60Hz
Flow rate of 7 to 9 GPM

DEFTB10SN-MC

1/3 HP
20' dispense hose
Dual voltage 115v/60Hz
Flow rate of 7 to 9 GPM

DEF12V20SN-MC

12 volt DC
20' dispense hose
12' power cord
Polypropylene pump housing

MOBILE DRUM CART

- Cart only
- **Drum not included**



DEF-MC

DEF TOTE SOLUTIONS

TOTE PUMP SYSTEMS (Tote Not Included)

For Dispensing DEF from IBC Tote Packaging

Note: Requires tote coupler BEDEFPTDC or DEF744-048

1/3 HP DIAPHRAGM PUMP WITH POLYPROPYLENE MANUAL NOZZLE

- Self-priming
- Dual voltage 115v/60Hz
- Flow rate of 7 to 9 GPM
- Polypropylene manual nozzle
- 4' suction hose
- Stainless steel pump bracket
- Kit includes clamps for attaching hoses
- Drum and tote applicable
- Drum and tote not included



DEFTB10MN
10' dispense hose
DEFTB20MN
20' dispense hose

1/3 HP DIAPHRAGM PUMP WITH STAINLESS STEEL AUTOMATIC SHUT-OFF NOZZLE

- Self-priming
- Dual voltage 115v/60Hz
- Flow rate of 7 to 9 GPM
- Stainless steel automatic shut-off nozzle
- 4' suction hose
- Stainless steel pump bracket
- Kit includes clamps for attaching hoses
- Drum and tote applicable
- Drum and tote not included



DEFTB10SN
10' dispense hose
DEFTB20SN
20' dispense hose

SURESTOP TOTE PUMP (3/4 HP)

- 3/4 HP centrifugal pump
- On/off function is controlled by nozzle
- Time-out function
- Dual voltage 115/230v/60Hz
- Flow rate of 8 to 10 GPM
- Stainless steel auto shut-off nozzle
- 4' suction hose
- Stainless steel pump bracket
- Kit includes clamps for attaching hoses
- Tote not included



DEFTBCSS10
10' dispense hose
DEFTBCSS20
20' dispense hose

PORTABLE 12V DRUM PUMP

- Diaphragm pump
- Self-priming
- 12-volt DC
- Flow rate of 6 to 8 GPM
- 12' power cord
- Polypropylene pump housing
- Stainless steel auto shut-off nozzle
- 4' suction hose
- Carbon steel pump caddy
- Kit includes clamps for attaching hoses
- Drum not included



DEF12V10SN
10' dispense hose
DEF12V20SN
20' dispense hose
DEF12V30SN
30' dispense hose

DEF TOTE SOLUTIONS

DEF COUPLERS

DRUM – EPV DISPENSE COUPLER

This stainless steel EPV dispensing coupler with EPDM seals connects to the hose of a pump to pump DEF from the container. This connects to the 755-003 drum container valve.

- Self-venting with a stainless steel 70 micron filter
- Used for dispensing only
- 3A orange key
- Stainless steel
- EPDM seals



DEF756-008B

TOTE – RSV DISPENSE COUPLER

This stainless steel RSV dispense coupler has Viton seals and 3/4" hose barb outlet, which attaches to the suction side of the pump hose. Used to connect to container valve for closed system dispensing, this is a self-venting coupler and allows atmospheric air into the container.

- 3/4" barbed liquid outlet
- 4 pin
- Viton seals



DEF744-048

POLY TOTE DISPENSE COUPLER

- Allows hose connection to 3/4" hose barb outlet which attaches to the suction side of pump hose
- Used to connect to container valve for closed system dispensing
- This is a self-venting coupler and allows atmospheric air into the container
- Cross-compatible with stainless steel valves



BEDEFPTDC

DEF COUPLERS – EXTRA OPTIONS

FLOW METER ASSEMBLY

(option for all drum and tote pumps)

- Accurately measures fluid usage
- (Non weights and measures) reinforced polyamide body
- Threaded input/output
- Totalizer
- Flow indication
- Runs on 2 AAA batteries (included)
- Measures gallons or liters



DEFFM

HOSE REEL 25' WITH HOSE ASSEMBLY

All Road Choice DEF hoses are made of sulfur-free EPDM rubber that meets ISO 22241 guidelines for use with DEF fluid.

- Open design allows for easy maintenance
- Stores hose up and out of harm's way, greatly extending service life
- 3/4" I.D. hose



DEFHR25HOSE

DEF AUTOMATIC SHUT-OFF NOZZLE

- Rugged design for long life and reliable service
- 19mm nozzle spout
- Stainless steel main stem
- Duratuff® lever and lever guard for additional durability



DEFSN

DEF DRUM COMPONENTS

DEF HOSE

All Road Choice DEF hoses are made of sulfur-free EPDM rubber that meets ISO 22241 guidelines for use with DEF fluid.

- Peroxide-cured EPDM rubber compound
- Antistatic



DEF510COM-HOSE1
10' x 3/4"

DEF510COM-HOSE2
20' x 3/4"

DEF510COM-HOSE3
30' x 3/4"

DEF510COM-HOSE4
40' x 3/4"

INSULATED HEAT BLANKET

This product protects Road Choice DEF fluid and pump assemblies from freezing.

- Unique design allows for easy access to dispensing equipment
- Patented heat-spreading technology
- Works on both metal and poly totes
- UV, wind and water resistant
- Certified to UL/CSA standards
- Protects to -30°
- 120V 60Hz and 12V options
- 1440 Watts
- Amperage – 12A
- Resistance – 10.0 ohms



DEFTH275BD-A
275-gallon

DEFTH330BD-A
330-gallon

DRUM COMPONENTS

EPV DISPENSE COUPLER

This stainless steel EPV dispensing coupler with EPDM seals connects to the hose of a pump-to-pump DEF from the container.

- Self-venting with a stainless steel 70 micron filter
- Used for dispensing only
- 3A orange key
- Stainless steel
- EPDM seals
- This connects to the 755-003 container valve



DEF756-008B

POLY VALVE & SPRING-LOADED STRAIGHT DOWNTUBE

This is a poly valve and HDPE spring-loaded straight downtube for a 55-gallon drum.

- Fully assembled
- Thicker material
- ISO 22241 compliant
- 5-year warranty
- **Minimum quantity: 25**



BEDEFVD55P

EPV CONTAINER VALVE

This plastic EPV container valve threads into a 55-gallon drum with the 2.5" x 5 buttress thread with EPDM seals.

- 3A orange key
- Plastic
- **Minimum quantity: 36**



DEF755-003

EPV DOWN TUBE – 55

This HDPE down tube is for use with the EPV drum container valve 743-016, 743-096, or 743-097.

- This tube is cut for a 55-gallon HDPE drum
- 810mm length
- 1" diameter
- **Minimum quantity: 50**



DEF102-136/805

DEF TOTE COMPONENTS

FOR 275 GALLON TOTES

POLY TOTE DISPENSE COUPLER

This coupler allows hose connection to 3/4" hose barb outlet, which attaches to the suction side of the pump hose.

- Used to connect to container valve for closed system dispensing
- Cross-compatible with stainless steel valves
- This is a self-venting coupler and allows atmospheric air into the container.



BEDEFPTDC

RSV DISPENSE COUPLER

This coupler is used to connect to container valves for closed system dispensing.

- Stainless steel
- 3/4" hose barb liquid outlet
- Attaches to the suction side of pump hose
- 4 pin
- Viton seals
- This is a self-venting coupler and allows atmospheric air into the container.



DEF744-048

- **For use with 743-097**

POLY VALVE & SPRING LOADED STRAIGHT DOWNTUBE

This poly valve and HDPE spring-loaded straight downtube is for 55-gallon drums.

- Fully assembled
- Thicker material
- ISO 22241 compliant
- 5-year warranty
- Cross-compatible with stainless steel couplers
- **Minimum quantity: 25**



BEDEFVD275P
For 275-gallon tote

BEDEFVD330P
For 330-gallon tote

RSV CONTAINER VALVE

The American Buttress Thread is the heavy thread that is used for plastic drums and IBCs with the correct plastic lid. Container valve only - no down tube is attached.

- 2.5" x 5 buttress
- 4 cam
- EDPM seals
- Stainless steel
- **For use with 744-048, 744-026**
- **Minimum quantity: 36**



DEF743-097

RSV DOWN TUBE

- HDPE down tube
- Cut for IBC center cap installations
- 1" diameter
- **For use with stainless steel RSV container valve 743-016, 743-096, 743-097**
- **Minimum quantity: 50**



DEF743-236/1065
275 (CC)
For 275-gallon tote
1065mm length

DEF743-236/1245
330 (CC)
For 330-gallon tote
1245mm length

RSV TAMPER EVIDENT WIRE SEAL

This wire seal secures the RSV container valve to its container and protects it from unauthorized removal.

- Tamper-evident wire cable
- **For the stainless steel RSV container valve**
- **Minimum quantity: 100**



ZTFSEAL

RSV DUST COVER

Reusable dust cover used to protect container valves from debris when couplers are disconnected.

- Yellow
- Non-tamper evident
- **Minimum quantity: 25**



DEF102-014

DEF TOTE CAP

- For 275- or 300-gallon totes



DEF230248

DEF TOTE COMPONENTS

BULK FILL COUPLER

This secure connection fills the Road Choice DEF Mini Bulk System and Road Choice DEF Bulk Storage Systems.

- 2" dry disconnect coupler
- Heavy-duty stainless steel crank and link



DEFMB-FILL

RSV FILL COUPLER

This coupler is used to connect the RSV container valve for closed system filling.

- Stainless steel
- Vapor recovery outlet
- 4 pin
- Viton seals
- 1" NPT male liquid inlet
- For use with RSV Container Valves 743-097.



DEF744-062

POLY TOTE FILL COUPLER

Used to connect to container valve for closed system dispensing, this is a self-venting fill coupler and allows atmospheric air into the container.

- NPT swivel outlet can accommodate adapters from 3/4" to 2"
- Fill rates up to 40 GPM
- Cross-compatible with stainless steel valves



BEDEFPTDF

EMPTY 55-GALLON DRUM

- Fully equipped 55-gallon DEF empty drum
- Includes downtube, plastic valve and drum seal



BEZDF301

EMPTY 330-GALLON TOTE

- Fully equipped 330-gallon DEF empty tote
- Includes downtube (connected to the valve) and tote seal with cable



ZTFMT330P

DEF TRUCK TANK UNIT/MINI BULK SYSTEMS

DEF TRUCK TANK DISPENSING UNIT

- 12-volt self-priming diaphragm pump
- 20' dispense hose
- 4' suction hose
- Stainless steel automatic shut-off nozzle with swivel
- Forklift recesses
- Portable dispensing unit
- Built exclusively for the DEF market
- Lockable lid for complete security
- Integrated carry handles
- Molded recesses for tie down during transport

DEFTTP80

80-gallon truck tank system
40.5" x 40.5" x 35.5"

DEFTTP120

40.5" x 40.5" x 43.5"



DEF MINI BULK SYSTEM WITH FLEET DISPENSER NON WEIGHTS AND MEASURES

- 500-gallon capacity
Dimensions: 107" x 36" x 48"
Weight: 800 lbs.
- 1,000-gallon capacity
Dimensions: 107" x 36" x 96"
Weight: 1,600 lbs.
- Ability to expand from 500-gallon to 1,000-gallon unit
- Automated fill-port valve to prevent overfilling
- High-level indicator
- Forklift pockets for relocation
- Weather-tight control panel mounted on front wall
- Pre-wired for easy installation
- Low-level tank indicators
- 1/2 HP submersible DEF pump(s)
- Dry-break adapter fill port
- Lockable fill port door

FLEET DISPENSER

- 62" x 32" x 22"
- Weight: 325 lbs.
- Industrial-grade cabinet
- 25' DEF hose reel
- Flow meter assembly
- Filtration unit system



DEF500MB

DEF1000MB

Mini bulk tank (Tank Only)

DEF500MB-H

DEF1000MB-H

Mini bulk tank with
heat option (Tank Only)

DEF500MB-F

DEF1000MB-F

Mini bulk system
with fleet dispenser

DEF500MB-FH

Heated/insulated mini bulk
system with fleet dispenser

DEF MINI BULK SYSTEMS

DEF MINI BULK SYSTEM WITH RETAIL DISPENSER NON WEIGHTS AND MEASURES

- 500-gallon capacity
Dimensions: 107" x 36" x 48"
Weight: 800 lbs.
- 1,000-gallon capacity
Dimensions: 107" x 36" x 96"
Weight: 1,600 lbs.
- Ability to expand from 500-gallon to 1,000-gallon unit
- Automated fill-port valve to prevent overfilling
- High-level indicator
- Forklift pockets for relocation
- Weather-tight control panel mounted on front wall
- Pre-wired for easy installation
- Low-level tank indicators
- 1/2 HP submersible DEF pump(s)
- Dry-break adapter fill port
- Lockable fill port door

RETAIL DISPENSER

- 58" x 32.6" x 20"
- Weight: 450 lbs.
- Industrial-grade cabinet
- 18' DEF hose reel
- Pulse output
- Filtration unit system
- W&M approved TCS-682 SS meter



DEF500MB DEF1000MB

Mini bulk tank (Tank Only)

DEF500MB-H DEF1000MB-H

Mini bulk tank with
heat option (Tank Only)

DEF500MB-R DEF1000MB-R

Mini bulk system
with retail dispenser

DEF500MB-RH DEF1000MB-RH

Heated/insulated mini bulk
system with retail dispenser

DEF BULK STORAGE SYSTEMS

INDOOR STORAGE TANKS WITH RECOMMENDED FITTING PACKAGE

- DEF compatible HDPE vertical tank – single wall
- 2" stainless steel threaded bulk head fitting – sidewall
- 1" stainless steel threaded bulk head fitting – sidewall
- Two 2" polypropylene threaded top-mount fittings
- Non-vented manway
- 1" x 12" siphon tube
- 2" stainless steel inlet for fill port and cap
- Two stainless steel ball valves and nipples
- Duplex vent package (rated for 225 GPM)
- Duplex vent filtration sock
- DEF pipe sealant
- Optional: insulated and heated tank packages



500-GALLON TANK

Dimensions: 48" x 73"
Weight: 180 lbs.
Tip up: 80"

2,100-GALLON TANK

Dimensions: 87" x 89"
Weight: 400 lbs.
Tip up: 125"

6,500-GALLON TANK

Dimensions: 119" x 150"
Weight: 1,515 lbs.
Tip up: 192"

1,000-GALLON TANK

Dimensions: 65" x 81"
Weight: 275 lbs.
Tip up: 103"

3,000-GALLON TANK

Dimensions: 95" x 109"
Weight: 600 lbs.
Tip up: 145"

8,400-GALLON TANK

Dimensions: 119" x 188"
Weight: 2,135 lbs.
Tip up: 223"

INDOOR STORAGE TANKS WITH DEF WALL MOUNT PUMPING SYSTEM AND HOSE REEL

- DEF compatible HDPE vertical tank – single wall
- 2" stainless steel threaded bulk head fitting – sidewall
- 1" stainless steel threaded bulk head fitting – sidewall
- Stainless steel 1" x 3/4" barb, nipple, and ball valve
- Two 2" polypropylene threaded top-mount fittings
- Non-vented manway
- 1" x 12" siphon tube
- 2" stainless steel inlet for fill port and cap
- Two stainless steel ball valves and nipples
- Duplex vent package (rated for 225 GPM)
- Duplex vent filtration cover
- DEF pipe sealant
- DEF pumping system with wall mount and filter
- 25' hose reel with stainless steel automatic shut-off nozzle

(Must be within 10' of tank when using smart pump)



500-GALLON TANK

Dimensions: 48" x 73"
Weight: 180 lbs.
Tip up: 80"

2,100-GALLON TANK

Dimensions: 87" x 89"
Weight: 400 lbs.
Tip up: 125"

6,500-GALLON TANK

Dimensions: 119" x 150"
Weight: 1,515 lbs.
Tip up: 192"

1,000-GALLON TANK

Dimensions: 65" x 81"
Weight: 275 lbs.
Tip up: 103"

3,000-GALLON TANK

Dimensions: 95" x 109"
Weight: 600 lbs.
Tip up: 145"

8,400-GALLON TANK

Dimensions: 119" x 188"
Weight: 2,135 lbs.
Tip up: 223"

DEF BULK STORAGE SYSTEMS

INDOOR STORAGE TANK WITH STANDING DISPENSING CABINET

- DEF compatible HDPE vertical tank – single wall
- 2" stainless steel threaded bulk head fitting – sidewall
- 1" stainless steel threaded bulk head fitting – sidewall
- Stainless steel 1" x 3/4" barb, nipple and ball valve
- Two 2" polypropylene threaded top-mount fittings
- Non-vented manway
- 1" x 12" siphon tube
- 2" stainless steel inlet for fill port and cap
- Two stainless steel ball valves and nipples
- Duplex vent package (rated for 225 GPM)
- Duplex vent filtration cover
- DEF pipe sealant
- Standing DEF dispenser cabinet with filter:
 - DEF pumping system with 25' hose reel
 - Nozzle mounted flow meter (non weights and measures)
 - Stainless steel automatic shut-off nozzle

(Must be within 10' of tank when using smart pump)



500-GALLON TANK

Dimensions: 48" x 73"

Weight: 180 lbs.

Tip up: 80"

1,000-GALLON TANK

Dimensions: 65" x 81"

Weight: 275 lbs.

Tip up: 103"

2,100-GALLON TANK

Dimensions: 87" x 89"

Weight: 400 lbs.

Tip up: 125"

3,000-GALLON TANK

Dimensions: 95" x 109"

Weight: 600 lbs.

Tip up: 145"

6,500-GALLON TANK

Dimensions: 119" x 150"

Weight: 1,515 lbs.

Tip up: 192"

8,400-GALLON TANK

Dimensions: 119" x 188"

Weight: 2,135 lbs.

Tip up: 223"

DEF BULK STORAGE SYSTEMS

INSULATED/HEATED STORAGE AND DISPENSING SYSTEMS

NON WEIGHTS AND MEASURES

- DEF compatible HDPE vertical tank
- 2" stainless steel threaded bulk head fitting – sidewall
- 1" stainless steel threaded bulk head fitting – sidewall
- Two 2" polypropylene threaded top-mount fittings
- Non-vented manway
- 1 1/2" x 12" siphon tube
- 2" stainless steel inlet for fill port
- Insulation package
- Heat trace package
- Submersible DEF pump
- Commercial DEF dispenser:
 - Industrial-grade cabinet
 - Insulated with heating system
 - K-23 flow meter
 - Filter
 - 25' DEF hose reel



DEF1100TNKHTF

1,100-gallon tank
Dimensions: 66" x 92"
Weight: 650 lbs.

DEF2000TNKHTF

2,000-gallon tank
Dimensions: 92" x 90"
Weight: 800 lbs.

DEF300TNKHTF

3,000-gallon tank
Dimensions: 90" x 127"
Weight: 950 lbs.

DEF6500TNKHTF

6,500-gallon tank
Dimensions: 120" x 153"
Weight: 3,550 lbs.

DEF8000TNKHTF

8,000-gallon tank
Dimensions: 120" x 186"
Weight: 4,350 lbs.

DEF FLEET DISPENSER

INSULATED/HEATED STORAGE AND DISPENSING SYSTEMS

WEIGHTS AND MEASURES

- DEF compatible HDPE vertical tank
- 2" stainless steel threaded bulk head fitting – sidewall
- 1" stainless steel threaded bulk head fitting – sidewall
- Two 2" polypropylene threaded top-mount fittings
- Non-vented manway
- 1 1/2" x 12" siphon tube
- 2" stainless steel inlet for fill port
- Insulation package
- Heat trace package
- Submersible DEF pump
- Commercial DEF dispenser:
 - Industrial grade cabinet
 - Insulated with heating system
 - Volume-only software electronics
 - Positive displacement oval gear stainless steel flow meter
 - Pulse output
 - Filter
 - Hose reel with 25' DEF hose
- Optional: Pulse output meter component



DEF1100TNKHTR

1,100-gallon tank
Dimensions: 66" x 92"
Weight: 650 lbs.

DEF2000TNKHTR

2,000-gallon tank
Dimensions: 92" x 90"
Weight: 800 lbs.

DEF30000TNKHTR

3,000-gallon tank
Dimensions: 90" x 127"
Weight: 950 lbs.

DEF6500TNKHTR

6,500-gallon tank
Dimensions: 120" x 153"
Weight: 3,550 lbs.

DEF8000TNKHTR

8,000-gallon tank
Dimensions: 120" x 186"
Weight: 4,350 lbs.

ROAD CHOICE DEF FLEET DISPENSER

- Hose reel with 25' DEF hose, ball stop and four-way roller
- Stainless steel automatic nozzle with swivel
- Nozzle holder
- Turbine meter with hose adapters
- Filter housing and cartridge
- Powder-coated carbon steel cabinet
- Foil face insulation lining
- Hardware for installation including anchor kit



DEFFD

Fleet dispenser
62" x 32" x 22"

AVAILABLE OPTIONS:

DEFDSPHT
Heat

DEFPLSOUT
Pulse output

TBA
115v pump

DEFP19
Auto on/off
submersible
pump feature

DEFSSBRK
SS breakaway

DEF BULK TRANSFER SYSTEMS



DEFDD30MC

30 GPM MECHANICAL TRANSFER DOLLY

PUMP AND MOTOR:

- 1/2 HP flooded suction stainless steel centrifugal pump
- Mechanical pump seal
- 110-volt AC single-phase 60Hz motor
- Toggle switch manual motor starter – 25' x 14/3
- Gauge electrical cord with 120-volt AC

METER AND REGISTER:

- Piston flow meter with mechanical register
- SSI air eliminator with vinyl tube attached for discharge
- Mechanical ticket printer
- Weights and measures approved

HOSE ASSEMBLY:

- 1" x 10' suction hose with stainless steel MNPT ends
- 1" X 20' discharge hose with stainless steel MNPT ends
- Hose hangers for both suction and discharge lengths

OPTIONAL:

- Polypropylene filter housing with one-micron filter and vent
- Poly spit tank for air eliminator discharge
- Self-priming pump



DEFDD30E

30 GPM ELECTRONIC TRANSFER DOLLY

PUMP AND MOTOR:

- 1/2 HP flooded suction stainless steel centrifugal pump
- Mechanical pump seal
- 110-volt AC single-phase 60Hz motor
- Toggle switch manual motor starter – 25' x 14/3
- Gauge electrical cord with 120-volt AC

METER AND REGISTER:

- 1" MNPT stainless steel Sponsler turbine meter
- Pulse amplifier
- 12-volt DC electrically actuated ball valve – LCR II
- Electronic register
- Air eliminator plumbed to poly spit tank – 40 mesh
- Poly "Y" strainer

HOSE ASSEMBLY:

- 1" x 10' reinforced suction hose with stainless steel MNPT ends
- 1" X 20' discharge hose with stainless steel MNPT ends
- Hose hangers for both suction and discharge lengths

OPTIONAL:

- Polypropylene filter housing with one-micron filter and vent
- Poly spit tank for air eliminator discharge
- Self-priming pump



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