



**SEMLER
INDUSTRIES**

Since 1905

DIESEL EXHAUST FLUID TRANSFER EQUIPMENT

DD-25 Options

Pump Assembly Options:

- Stainless steel pump
- 115V AC electric motor
- 230V AC electric motor
- Hydraulically driven pump
- Gas powered generator to power electric pump motor and electric rewind hose reel option

Meter Assembly Options:

- Turbine meter
- Electronic register
- Electronic printer
- Pre-set
- Non Weights and Measures approved meter

Hose Assembly Options:

- 115V AC or 230V AC rewind reel
- 12V or 24V DC rewind reel
- Manual (hand-crank) rewind
- Additional hose reel capacity and longer hose lengths
- Drumming nozzle, closed-loop, dry-break, and quick disconnect fitting packages

Filtration Assembly

Options:

- Stainless steel cartridge or bag housing
- Polypropylene cartridge housing

Semler Industries Inc.

3800 North Carnation Street
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www.semleindustries.com

DEF-Distributor™ **DD-25**

Operates at 25 GPM*

*Ideal for
Transferring
Tote-to-Tote or
Dispensing into
SCR system*



Approximate Footprint:
48" W x 48" L x 36" H with filter added

DD-25 INCLUDES

- 25 GPM* nominal flow rate
- Self-priming, seal-less mag drive pump with run dry capability
- 2.8 HP gas drive engine
- Positive displacement flow meter
- OEM strainer and air eliminator assembly
- Mechanical register and printer
- OEM strainer and air eliminator assembly
- Spit tank plumbed to air eliminator
- Weights and Measures approved for custody transfer
- Spring rewind hose reel with four-way roller
- 1" x 20' Suction hose with MNPT ends
- 1" x 50' Discharge hose with MNPT ends
- Reinforced carbon steel base frame (painted)
- Base forklift and pallet jack accessible
- Integrated welded and flexible stainless steel piping connections
- All fluid contact equipment meets ISO 22241-3 standards for material compatibility
- System is passivated, tested, flushed, sealed and crated for quality assurance

*Flow rate based off open hose ends.

Unit shown includes: 2.8 HP gas engine, positive displacement meter, mechanical register and printer, spring rewind reel, standard hose lengths, closed loop suction fitting and automatic dispense nozzle.

DIESEL EXHAUST FLUID TRANSFER EQUIPMENT

DC-30 Options

Pump Assembly Options:

- Flooded suction pump
- Self-priming, seal-less, mag drive pump
- Gas powered engine
- 230V AC electric motor

Meter Assembly Options:

- Turbine meter
- Electronic register
- Electronic printer
- Pre-set
- Poly spit tank plumbed to air eliminator
- Non Weights and Measures approved meter

Hose Assembly Options:

- Longer suction and discharge lengths
- Drumming nozzle, closed-loop, dry-break, and quick disconnect fitting packages

Filtration Assembly Options:

- Stainless steel cartridge or bag housing
- Polypropylene cartridge housing

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DEF-Distributor™ Cart **DC-30**

Operates at 30 GPM*

*Ideal for
transferring DEF
when portability
is desired &
budget is
limited*



Approximate Footprint:
24" W x 24" L x 50" H

DC-30 INCLUDES

- 30 GPM* nominal flow rate
- Stainless steel self-priming pump
- 115V AC, single phase electric motor with manual motor starter
- 25' power cord with plug
- 15 Amp, plugs into standard wall outlet
- Positive displacement flow meter
- Mechanical register and printer
- Air Eliminator
- Stainless steel strainer**
- Weights and Measures approved for custody transfer
- Hose hanger
- 1" x 10' Suction hose with MNPT ends
- 1" x 20' Discharge hose with MNPT ends
- 600 LB rated two wheel dolly (painted)
- All fluid contact equipment meets ISO 22241-3 standard for material compatibility
- System is passivated, tested, flushed, sealed and crated for quality assurance

*Flow rate based off open hose ends.

**Stainless steel strainer is not needed if a filter housing option is chosen.

Unit shown includes: Self-priming pump, positive displacement meter, mechanical register and printer, standard hose lengths, and spit tank option.

DIESEL EXHAUST FLUID TRANSFER EQUIPMENT

DD-45 Options

Pump Assembly Options:

- Stainless steel pump
- 115V AC electric motor
- Gas powered engine
- Hydraulically driven pump
- Gas powered generator to power electric pump motor and electric rewind hose reel option

Meter Assembly Options:

- Turbine meter
- Electronic register
- Electronic printer
- Pre-set
- Non Weights and Measures approved meter

Hose Assembly Options:

- 115V AC or 230V AC rewind reel
- 12V or 24V DC rewind reel
- Manual (hand-crank) rewind
- Additional hose reel capacity and longer hose lengths
- Drumming nozzle, closed-loop, dry-break, and quick disconnect fitting packages

Filtration Assembly Options:

- Stainless steel bag housing

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DEF-Distributor™ DD-45

Operates at 45 GPM*

*Ideal for
tote-to-tote
transfer or bulk
transfer when
filling with dry-
break fitting*

Approximate Footprint:
48" W x 48" L x 60" H



DD-45 INCLUDES

- 45 GPM* nominal flow rate
- Self-priming, seal-less mag drive pump with run dry capability
- 230V AC, single phase motor with manual motor starter
- 25' power cord with plug
- Positive displacement flow meter
- Mechanical register and printer
- OEM strainer and air eliminator assembly
- Spit tank plumbed to air eliminator
- Weights and Measures approved for custody transfer
- Spring rewind hose reel with four-way roller assembly
- 1.5" x 20' Suction hose with MNPT ends
- 1.5" x 50' Discharge hose with MNPT ends
- Stainless steel cartridge filter housing with pressure gauges and drain ports
- Reinforced carbon steel base frame (painted)
- Base forklift and pallet jack accessible
- Integrated welded and flexible stainless steel piping connections
- All fluid contact equipment meets ISO 22241-3 standards for material compatibility
- System is passivated, tested, flushed, sealed and crated for quality assurance

*Flow rate based off open hose ends.

Unit shown includes: 230V AC electric motor, positive displacement meter, mechanical register and printer, 230V AC rewind hose reel, standard hose lengths, and stainless steel cartridge housing.

DIESEL EXHAUST FLUID TRANSFER EQUIPMENT

DD-70 Options

Pump Assembly Options:

- Stainless steel pump
- Gas powered engine
- Hydraulically driven pump
- Gas powered generator to power electric pump motor and electric rewind hose reel option

Meter Assembly Options:

- Turbine meter
- Electronic register
- Electronic printer
- Pre-set
- Non Weights and Measures approved meter

Hose Assembly Options:

- 230V AC rewind reel
- 12V or 24V DC rewind reel
- Manual (hand-crank) rewind
- Additional hose reel capacity and longer hose lengths
- Drumming nozzle, closed-loop, dry-break, and quick disconnect fitting packages

Filter Housing Options:

- Stainless steel bag housing

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DEF-Distributor™ **DD-70**

Operates at 70 GPM*

Approximate Footprint:
48" W x 48" L x 60" H



Ideal for mobile bulk transfer from tanker truck to primary storage tanks, bottom filling totes, filling mini-bulk systems, and servicing high volume customers.

DD-70 INCLUDES

- 70 GPM* nominal flow rate
- Self-priming, seal-less mag drive pump with run dry capability
- 230V AC, single phase motor with manual motor starter
- 25' power cord with plug
- Positive displacement flow meter
- Mechanical register and printer
- OEM strainer and air eliminator assembly
- Spit tank plumbed to air eliminator
- Weights and Measures approved for custody transfer
- Spring rewind hose reel with four-way roller assembly
- 1.5" x 20' Suction hose with MNPT ends
- 1.5" x 50' Discharge hose with MNPT ends
- Stainless steel cartridge filter housing with pressure gauges and drain ports
- Reinforced carbon steel base frame (painted)
- Base forklift and pallet jack accessible
- Integrated welded and flexible stainless steel piping connections
- All fluid contact equipment meets ISO 22241-3 standards for material compatibility
- System is passivated, tested, flushed, sealed and crated for quality assurance

*Flow rate based off open hose ends.

Unit shown includes: 230V AC electric motor, positive displacement meter, mechanical register and printer, 230V AC rewind hose reel, standard hose lengths, stainless steel cartridge housing, gauge panel, and forklift only base.

DIESEL EXHAUST FLUID TRANSFER EQUIPMENT

DD-120 Options

Pump Assembly Options:

- Self-priming pump
- Stainless steel pump
- 230V AC three phase electric motor
- 460V AC single phase or three phase electric motor
- Variable frequency drive for dual flow rates
- Auto pump shut down

Meter Assembly Options:

- Coriolis flow meter
- Two stage pre-set ball valve
- Non Weights and Measures approved meter

Hose Assembly Options:

- Added hose reel for dual load-out
- Additional hose reel capacity and longer hose lengths
- Drumming nozzle, closed-loop, dry-break, and quick disconnect fitting packages

Filtration Assembly Options:

- Stainless steel cartridge or bag housing

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DEF-Distributor™ DD-120

Operates at 120 GPM*

Ideal for stationary trans-load applications when filling from tanker trucks to high volume storage tanks, or for unloading rail cars. Dual speed load-outs also make this system ideal for filling totes in-house.



Approximate Footprint:
48" W x 60" L x 60" H

DD-120 INCLUDES

- 120 GPM* nominal flow rate
- Flooded suction, seal-less mag drive pump with run dry capability
- 230V AC, single phase motor with manual motor starter
- Turbine flow meter
- Electronic register and printer
- NEMA 12 printer enclosure
- OEM strainer and air eliminator assembly
- Spit tank plumbed to air eliminator
- Weights and Measures approved for custody transfer
- 230V AC rewind hose reel with four-way roller assembly
- 2" x 50' Discharge hose with MNPT ends
- NEMA 3R control panel
- Pressure gauges
- Reinforced carbon steel base frame (painted)
- Base forklift and pallet jack accessible
- Integrated welded and flexible stainless steel piping connections
- All fluid contact equipment meets ISO 22241-3 standards for material compatibility
- System is passivated, tested, flushed, sealed and crated for quality assurance

*Flow rate based off open hose ends.

Unit shown includes: 230V AC electric motor, variable frequency drive, turbine flow meter, electronic register and printer, pre-set, dual load-out hoses, and forklift only base.



Semler's Complete Line of DEF-Distributor™ Transfer Equipment



Model DD-25
Operates at 25 GPM*



Model DC-30
Operates at 30 GPM*



Model DD-45
Operates at 45 GPM*



Model DD-70
Operates at 70 GPM*



Model DD-120
Operates at 120 GPM*



Model DD-250
Operates at 250 GPM*

*Flow rate based off open hose ends.

Other DEF Offerings through Semler

			
Tote & Drum Dispensers	Closed Loop Transfer Couplers	Polyethylene Bulk Storage Tanks	Custody Transfer Meters

				
Remote Inventory Management Solutions	Mini-Bulk & Dispenser Systems	Heavy-Duty Hose Reels for Transfer & Dispensing	Bulk DEF Hose & Assemblies	High-Flow Transfer Pumps

Don't see an option that meets your needs? Just ask, the options and configurations available are endless...

Semler Industries brings over 100 years of meeting customers' demands and 50+ years serving the petroleum and chemical markets together to meet the demands of DEF manufacturers, distributors, and users for the petroleum retail market. From low-flow drum dispensing to high-volume storage and transfer, everything we do is focused on maintaining the quality of the fluid, and making it easy for you to handle.



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DIESEL EXHAUST FLUID STORAGE EQUIPMENT

Features & Benefits

- Unit fits on all standard width fuel islands
- Smallest footprint of any equal volume system
- Helps lower overall project cost with minimal island modifications
- Modular design allows the equipment to grow with increasing DEF demand
- Protects product integrity
- Keeps fluid safe from environmental hazards
- Clean and elegant design
- Rugged construction
- Easily relocate-able
- Great for advertisements
- Can integrate with any commercial, fleet, or retail dispenser on the market
- Extra auxiliary ports for inventory management systems



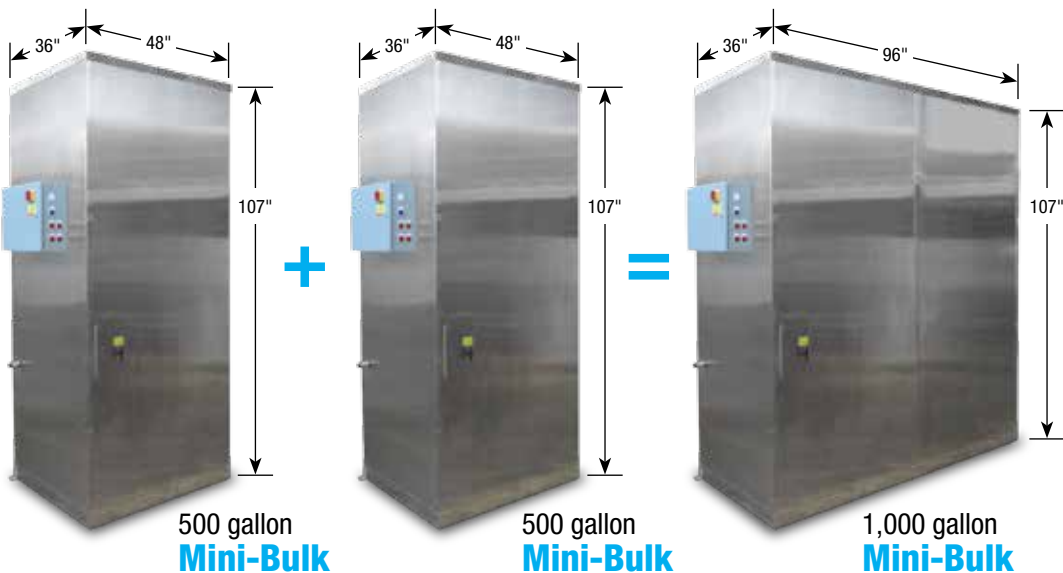
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DEF Modular Mini-Bulk

Above ground storage systems for use at fleets, commercial locations and retail facilities. Unit is island friendly and expandable up to 2,000 gallons to help you meet your increasing DEF demand.



Expandable in the field!



Specifications and Requirements	500-gallon (1 Tank)	1,000-gallon (2 Tanks)
Height	107"	107"
Width	36"	36"
Length	48" + 8" control box	96" + 8" control box
Weight (empty)	~1,035lbs	~1,900lbs
Weight (full)	~5,600lbs	~11,000lbs
Flow rate	~15gpm	~15gpm
System pressure	60psi (36 Operating)	60psi (36 Operating)
Standard voltage	120V, 60 Hz	120V, 60hz
Maximum amperage	19A (30A circuit)	32A (20A & 30A circuit)
ISO 22241-3 & 22241-4 Standards	Complies	Complies
Ambient temperature range	30°F temperature differential with standard heat package 60°F temperature differential with extreme heat package	
Liquid temperature range	+32°F to +104°F	+32°F to +104°F
Cleanliness	Tested and flushed	Tested and flushed
Other standards compliance	Complies to NFPA 30, 30A, 70 if installed properly (Refer to local Codes)	

Other DEF Offerings through Semler



Model
DC-30
Operates at
30 GPM*



Model
DD-45
Operates at 45 GPM*



Model
DD-70
Operates at 70 GPM*



DEF Fleet
Dispenser



Tote & Drum
Dispensers



Polyethylene Bulk
Storage Tanks



Closed Loop
Transfer Couplers

Standard Features

- 500 or 1000 Gallon standard capacities
- Polished (#4) stainless steel outer panels and roof
- Insulated for hot and cold climates
- High density polyethylene tank(s) with no bottom or side-wall penetrations
- 2" dry break fill port
- Closed loop system for product integrity
- Electronic overfill protection
- Pre-piped and pre-wired for easy install
- Nema 4 control panel (UL certified)
- Tank indicators lights
- ½ HP submersible pump
- Lockable fill-port access
- Forklift pockets on all 4 sides
- Auxiliary port for inventory management system integration
- All equipment meets ISO 22241-3 material standards for compatibility
- System is tested, flushed and sealed for quality assurance

Options

- Level display
- Heat package
- Fleet or retail dispensers
- Remote inventory management
- Advertising rails

DIESEL EXHAUST FLUID DISPENSING EQUIPMENT

Fleet Dispenser

The DEF Dispenser cabinet is intended for use by in-house fleet fueling facilities to dispense diesel exhaust fluid to vehicles, and keep the liquid at ideal temperatures while maintaining product purity.

Features & Benefits

- Low cost indoor / outdoor DEF dispensing
- Keeps fluid at ideal temperature range
- Simple installation
- User friendly controls
- Unit can control submersible pump(s)
- Auto shut down packages available
- Secures product integrity
- Lockable user and service enclosures
- Pulse output capable
- Customizable packages



Use Fleet Dispenser with any DEF container vessel



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Mini-Bulks



Above Ground
Storage Tanks



Totes



Underground
Storage Tanks



Specifications and Requirements	Fleet Dispenser
Height	62"
Width	29"
Depth	22"
Weight (empty)	~300lbs
Flow rate	8 to 10 gpm pump capacity (optional)
System pressure	116psi (8bar)
Voltage	120V, 60 Hz
(Operational Pump) amperage	8.3A
Heater amperage	3.75A (450W) @ 120V (Optional 2nd heater available at same amperage)
ISO 22241-3 & 22241-4 Standards	Complies
Ambient temperature range	30°F temperature differential with standard heat package 60°F temperature differential with extreme heat package
Liquid temperature range	+32°F to +104°F
Cleanliness	Tested, sealed
Hose	25' DEF hose on spring rewind reel
Other standards compliance	Complies to NFPA 30, 30A, 70 if installed properly (Refer to local Codes)

Other DEF Offerings through Semler



Model
DC-30
Operates at
30 GPM*



Model
DD-45
Operates at 45 GPM*



Model
DD-70
Operates at 70 GPM*



DEF Modular
Mini-Bulk



Tote & Drum
Dispensers



Polyethylene Bulk
Storage Tanks



Closed Loop
Transfer Couplers

Standard Features

- Rugged carbon steel powder coated enclosure
- UV resistant finish
- Rust-resistant design
- Insulated for hot and cold climates
- Resettable electronic gallon display
- 25' Spring rewind hose reel
- Stainless steel automatic nozzle with swivel
- Stainless steel user enclosure tray
- Polyethylene nozzle dock
- Spring loaded door closer
- Four-way roller assembly
- Removable and lockable service panel
- Stainless steel kick plate
- Built in on/off switch for pumps
- 20" 1 micron filter
- Anchor tabs included
- All equipment meets ISO 22241 material standards for compatibility

Options

- Self-priming suction pump
- Forced air heaters
- Automatic shut off submersible pump controller
- Pulse output meter
- Inventory management integration
- Card-lock user integration