

SOTERA[®]

SYSTEMS



Pumps and Accessories
for the DEF/AdBlue Market



AIR OPERATED DIAPHRAGM PUMPS

The Most Advanced Air-Operated Double Diaphragm Pump On The Market

In grueling industrial environments, Sotera Systems Diaphragm pumps deliver exceptional performance for years of dependable operation. The SP100 Series Air-Operated Double Diaphragm Pump can be configured in materials that are resistant to industrial chemicals and is proven to provide complete compatibility coverage for a wide range of fluids. With its extensive list of features, the SP100 Series outperforms the competition time and time again.

Unique diaphragm construction

A stainless-steel shaft with a reinforced diaphragm nut fully supports the diaphragm and prevents cross threading. The uniform seal hinge minimizes wear, increasing life of the diaphragm.

Easy-off threaded ring construction

The unique patented QuikSeal® ring is designed for quick-turn access to clear ball checks and to replace diaphragms. This eliminates multiple fasteners, reducing complexity and parts.

Ceramic air valve

The innovative, patented, non-centering ceramic QuikFlow® air valve design provides an extremely fast trip-over, resulting in a 60-percent reduction in pulsation.



	SP100-10N-PP-SSS
Max Flowrate (flooded suction)	17.5 gpm (79.56 lpm)
Max Inlet Pressure	100 psi (7bar)
Max Outlet Pressure	100 psi (7 bar)
Air Consumption @ 40psi	0.65 cfm/gal
Displacement/Cycle @ 100psi	0.036 gal (0.14L)
Max Particle Size	3/32" dia (2.4mm)
Noise Level @ 70psi	75.0 db(A) at 60 cpm
Ratio	1:1
Inlet/Outlet	1/2" / 1/2" NPT
Air Inlet	1/4" NPT
Air Exhaust	1/8" NPT
Air Inlet Pressure Range	2-100 psi (0.14-7 bar)
Max Material Inlet Pressure	10 psi (0.69 bar)
Fluid Outlet Pressure Range	2-100 psi (0.14-7 bar)
Max Pump Speed	450 cpm
Max Suction Lift (water w/ Hytrel Balls)	14 ft (4.27 m)

ROTARY VANE PUMPS

Sotera Professional Series Rotary Vane pumps are perfect for DEF transfer pump applications. Stainless steel construction and Viton® seals ensure clean, dependable handling of DEF products with durable, long-lasting performance. Complete your pump package with our easy-to-use accessories - all the parts you need to quickly and efficiently dispense DEF.

True self-priming technology

No priming chamber to be filled. Our rotary vane pump design provides excellent suction lift and application flexibility.

Internal bypass

Spring is installed in the pump housing for continuous pump operation.

Short-term dry-run capabilities

High-efficiency pump with self-priming, short-term dry-run capabilities for completely emptying totes.



	FRSA120800MN	FRSD120800MN
Flow Rate (GPM/LPM)	8/30	8/30
Motor Horsepower	1/2	1/2
Motor Kw	373	373
FL Motor Amps	7.2	35
Voltage	115 VAC	12 VDC
Port Size	3/4" BSPP	3/4" BSPP
Motor Type	TEFC	TEFC
Max Viscosity	40 cp	40 cp
Max Temp (°F / °C)	120/49	120/49
Duty	Continuous	Continuous
Housing	304SS	304SS
Vanes	Acetal	Acetal
Seals	Viton®	Viton®
Accuracy	-	-
Certification*	UL/cUL	UL/cUL

* Not approved for volatile applications

Complete your pump package with our easy-to-use accessories - all the parts you need to quickly and efficiently dispense almost any chemical. We offer drum dollies, tote plate assemblies, mounting plates, and hand pumps.

Tote Unit Mounting Packages

Our Tote Mounting Packages are extremely versatile. Mount on a 55 gallon drum or upsize to the 275 or 330 gallon tote with the same mounting bracket - also compatible with wall mount applications.

KIT180MAPS Includes:

- Stainless steel mounting plate
- 3/4" x 6' Hard wall suction hose
- 3/4" x 12' Discharge hose
- 3/4" Automatic nozzle

KIT180MAPS



KIT180MAMPS Includes:

- Digital Meter (825D075BSPP) and union
- Stainless steel mounting plate
- 3/4" x 6' Hard wall suction hose
- 3/4" x 12' Discharge hose
- 3/4" Automatic nozzle

KIT180MAMPS



KITS05NDEF Includes:

- (2) 1/2" NPT to 3/4" hose barb adapt
- (2) Hose clamps
- 3/4" x 12' discharge hose
- 3/4" x 6' suction hose
- 3/4" Polypropylene manual nozzle

KITS05NDEF
(suction hose not shown)



Drum Dolly

KITFR55DU 55 Gallon Drum Kit

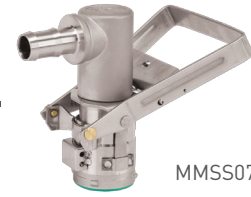
- Heavy Duty Cart for 55 Gallon Drum
- For Use with Either KIT180MAPS or KIT180MAMPS
- Heavy Duty Locking Casters allow for easy maneuvering of cart
- Stainless Steel Construction

KITFR55DU
*Stainless Steel Mounting Plate
(KIT180MPPS) Sold Separately



Drum/Tote Unit Mounting Connections

MMSS075RSV RSV (Reusable Stainless Valve) 4 pin Dispense Coupler, Horizontal 3/4" Barbed Outlet, Viton® seals



MMSS075RSV

MMSS075EPV EPV (Economic Plastic Valve) Dispense Coupler, 3A Orange, Horizontal 3/4" Barb Outlet, EPDM Seals



MMSS075EPV

Hand Lever Pump

- Fast delivery - 11oz per stroke
- Suitable for low volume shops - great for an emergency backup
- Bung adapter included - securely fastens pump to drum
- Polypropylene construction, fluorocarbon seals
- Telescoping suction pipe included

FRHP32V Hand Lever Pump

KITHA32V Optional Hose and Valve Kit - 3/4" x 8' Hose with Ball Tap Valve

FRHP32V



KITHA32V



Air Operated Pump

- Up to 6.5 GPM flow rate, up to 100 PSI air pressure
- Bung adapter included - securely fastens pump to drum
- Polypropylene construction, fluorocarbon seals
- Telescoping suction pipe included

FRAP32V Air Operated Pump

KITHA32VMN Optional Hose and Nozzle Kit - 3/4" x 8' Hose with Manual Nozzle

FRAP32V



KITHA32VMN



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