

SOTERA[®]

SYSTEMS

SERIES 400B DIAPHRAGM PUMPS

*SS435B pictured

MODELS AVAILABLE

SS411BCEXP
SS413BCEXPPG
SS435BCEXP

The Sotera 400B CE Series offers proven technology that combines the attributes of an air operated diaphragm pump with the convenience, portability, and efficiency of an electric driven design.

Common agriculture applications include crop protection chemicals, seed treatment liquids, and fertilizers.



FEATURES

ONE-WAY VALVE FEATURE

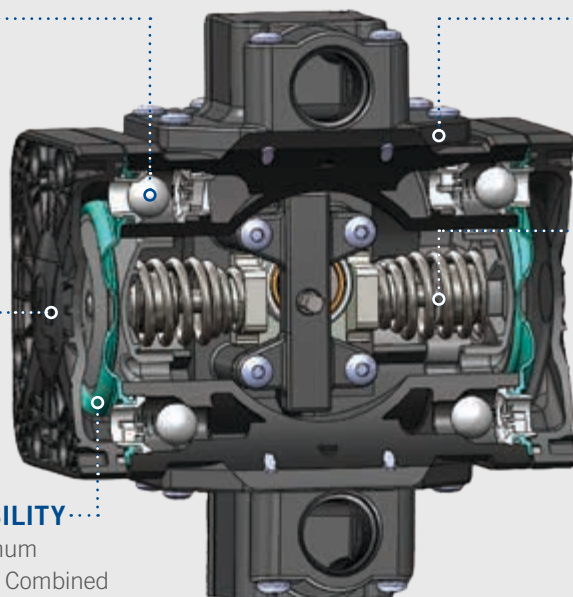
Internal check valves don't allow back filling of totes or drums.

HEAVY-DUTY, RUGGED CONSTRUCTION

Glass-reinforced polypropylene pump body provides integrity and excellent material compatibility inside and out.

OPTIMIZED FLUID COMPATIBILITY

Santoprene[®] diaphragm for maximum chemical and corrosion resistance. Combined with strength and long life.



UNIQUE DESIGN

Improves fluid-handling capabilities with low material shear, solids handling up to 1/10", viscosity range of 0-3,000 cps.

RUNS DRY WITHOUT DAMAGE AND NO INTERNAL BYPASS

Unique reciprocating, spring driven double diaphragm design automatically goes into neutral when end-of-hose valve is shut off. Motor amperage is actually reduced as back pressure increases.

SERIES 400B

DIAPHRAGM PUMP MODELS



SS411BCEXP

Pump and motor only

12V DC, CE compliant, explosion-proof motor.
1" BSPP fluid ports.



SS413BCEXPPG

Pump-N-Go®

12V DC, CE compliant, explosion-proof motor.
1" NPT fluid ports. Includes ball valve with nozzle,
1 meter EPDM suction hose, 3 meter
EPDM discharge hose, and 2" coupler.



SS435BCEXP

Chemtraveller®

12V DC, CE compliant, explosion-proof motor. 1" NPT
fluid ports. Includes Chemtraveller, portable tubular
frame, 825 flow meter, 3 meter EPDM suction hose,
4 meter EPDM discharge hose, shutoff valve, and all
connection fittings needed to pump from a tote.

| PUMP SPECIFICATION | | CONSTRUCTION | | MOTOR SPECIFICATION |
|---|--|---|----------------------------|--|
| Reciprocating, spring driven & controlled dual diaphragm design | | Pump: Glass-filled polypropylene | | 12V DC |
| FLOW RATE | up to 55 LPM [15 gpm] at 1.5 cps up to 45 LPM [12 gpm] at 350 cps | Internal wetted parts: Glass-filled polypropylene, 304 stainless steel, Santoprene® diaphragms, and EPDM seals. | | 1/4 hp, 25 amps maximum draw with 20' DC cable, alligator clips, and a 30-amp fuse |
| MAX PRESSURE | 1 bar [15 psi] | INLET / OUTLET | 1" NPT or BSPP (see above) | Thermal overload protection |
| MAX LIFT / WATER | 3 meters [10'] | PARTICLE TOLERANCE | up to 0.1" diameter | Quality ball-bearing motor construction |
| MAX OPERATING TEMPERATURE | 54°C [130°F] | | | |
| MAX FLUID VISCOSITY | 3,700 cps | | | |