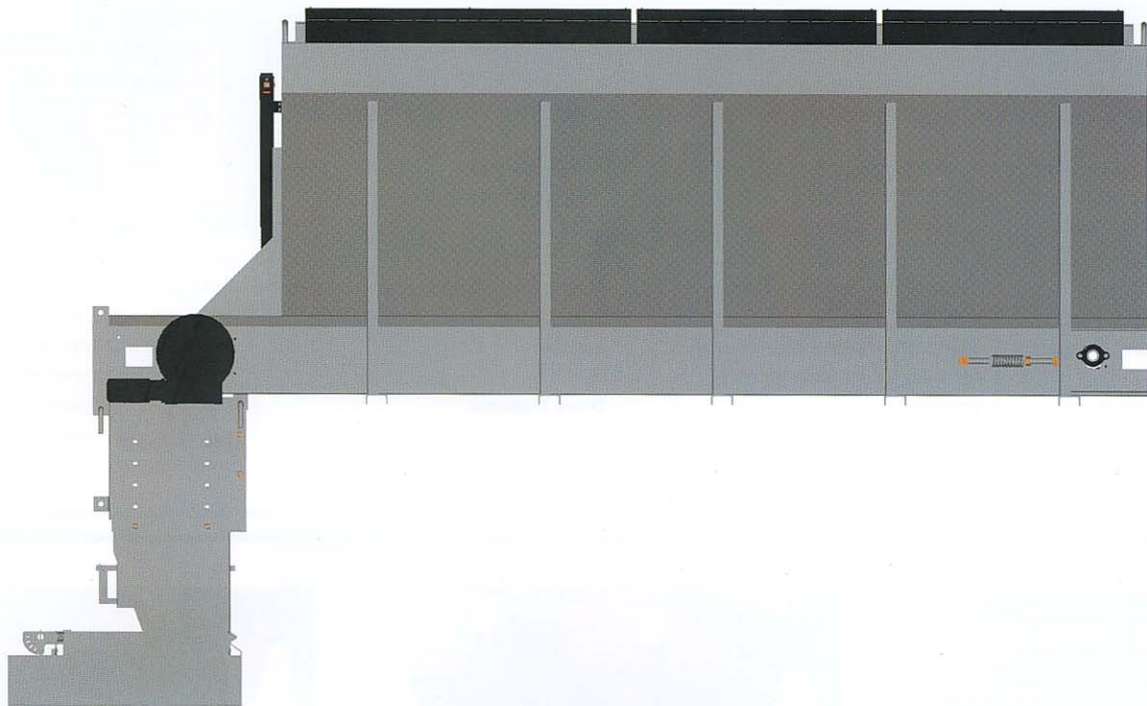




swenson  **spreader**®

WHEN YOU'RE SERIOUS ABOUT SNOW AND ICE CONTROL

EV 100 Select Series



EV-100 Hydraulic Drive Spreader

EV-100 Hydraulic Drive Spreader manufactured of 10 gauge carbon steel sides/ends, 82" wide hopper, 7 gauge slotted longitudinals for easy gearbox/drive shaft removal, formed over longitudinals for greater rigidity 45-degree side slope, bolt in 6" wide flange (H) beam, Drop N Loc top screens, 6 tooth drive/idler sprockets, 1-1/2" drive shaft, 1-1/2" idler shaft, spring-loaded chain take-up, 7 gauge bolt in replaceable conveyor or floor, self cleaning pintle style conveyor chain (21,000 lbs. tensile strength per strand), 1-1/2" x 3/8" double welded cross bars, 50:1 or 25:1 ratio gearbox, rear chain wiper, 12" adjustable in height fully enclosed swing-up spinner extension, 2 internal spinner baffles, 4 overlapping baffles,

lower spinner assembly with bottom mounted motor, 7 gauge 20" carbon steel spinner disc with fins, instruction manual and painted Omaha Orange or Federal Yellow

Improved Standard Features

82" Wide Hopper
 7 Gauge Slotted Longitudinals For Easy Gearbox/drive shaft Removal
 Bolt-in 6" Wide "H" Beam
 Spring-loaded Chain Take-up
 12" Adjustable In Height Fully Enclosed Swing-up Spinner Extension
 2 Internal Spinner Baffles
 4 External Overlapping Spinner Baffles (3 Adjustable, 1 Fixed)
 20" Carbon Steel Spinner Disc
 3/8" Drag Chain Bars

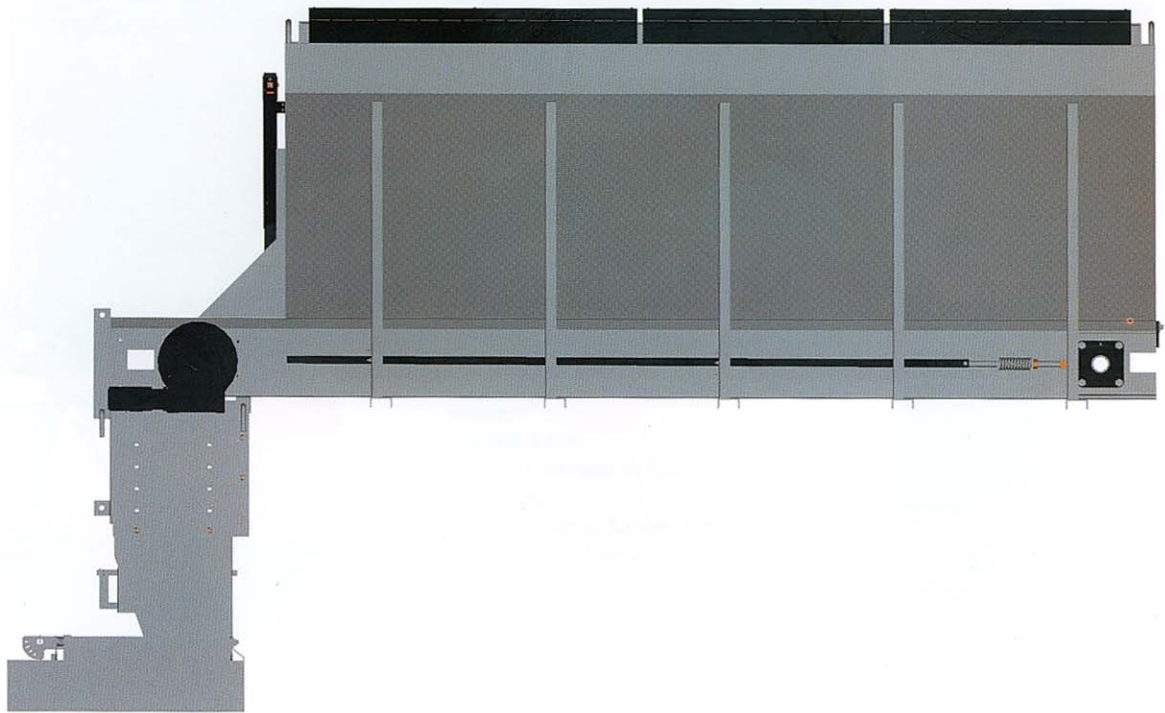
Options

Sloped front
 Sloped rear
 Belt-over chain
 Drag chain take-up to the rear
 Grease extension to the rear
 Flexedge feedgate
 Stainless steel
 Center beam elevation
 Ladder

Tailgate latch
 Inverted vee
 Spill shields
 Hold down options
 Spray systems
 Top mount spinner
 Storage legs
 Skids
 Chain oiler



EV 150 Select Series



EV-150 Hydraulic Drive Spreader

EV-150 Hydraulic Drive Spreader manufactured of 10 gauge carbon steel sides/ends, 82" wide hopper, 7 gauge slotted longitudinals for easy gearbox/drive shaft removal, formed over longitudinals for greater rigidity 45-degree side slope, bolt in 6" wide flange (H) beam, Drop N Loc top screens, 8 tooth drive/idler sprockets, 2" drive shaft and idler shaft, spring-loaded chain take-up with adjustment to the rear, 7 gauge bolt in replaceable conveyor floor, self cleaning pintle style conveyor chain (21,000 lbs. tensile strength per strand), 1-1/2" x 3/8" double welded cross bars, 50:1 or 25:1 ratio gearbox, rear chain wiper, 12" adjustable in height fully enclosed swing-up spinner extension, 2 internal spinner baffles, 4 overlapping baffles,

lower spinner assembly with top mounted motor, 7 gauge 20" carbon steel spinner disc with fins, instruction manual and painted Omaha Orange or Federal Yellow

Improved Standard Features
82" Wide Hopper
Formed Over Longitudinals For Greater Rigidity
Bolt-in 6" Wide "H" Beam
Spring-loaded Chain Take-up @ Rear
12" Adjustable In Height Fully Enclosed Swing-up Spinner Extension
4 External Overlapping Spinner Baffles (3 Adjustable, 1 Fixed)

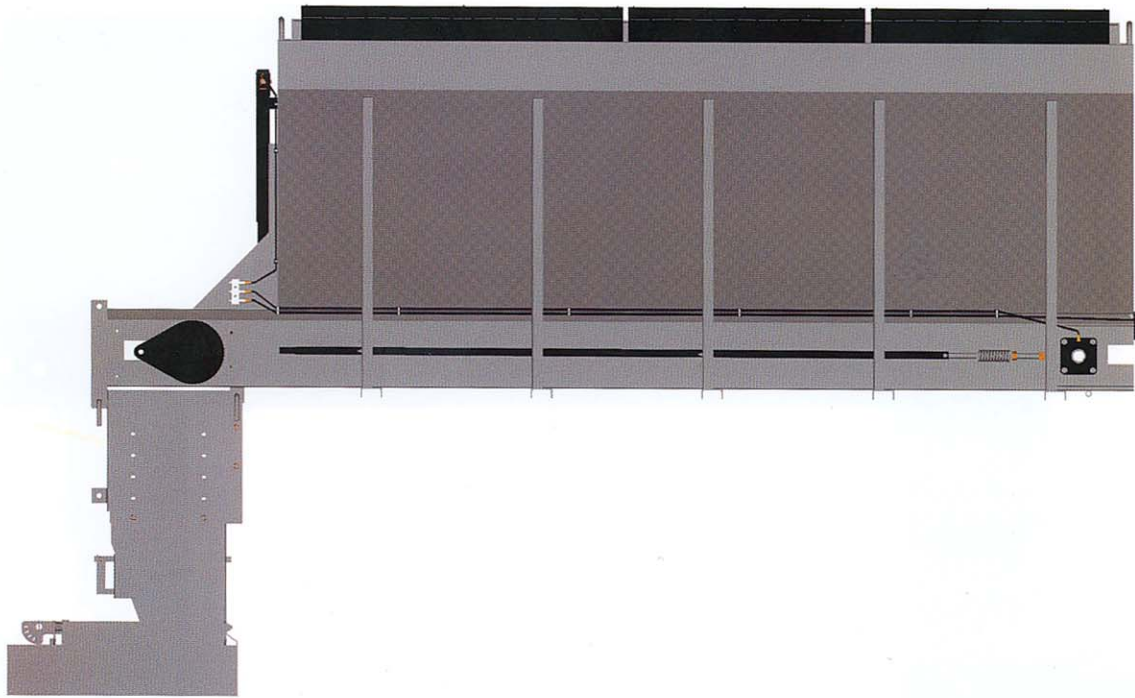
Options

Sloped front
 Sloped rear
 Belt-over chain
 Grease extension to the rear
 Flexedge feedgate
 Stainless steel
 Center beam elevation
 Ladder

Tailgate latch
 Inverted vee
 Spill shields
 Hold down options
 Spray systems
 Storage legs
 Skids
 Chain oiler



EV 200 Select Series



EV-200 Hydraulic Drive Spreader

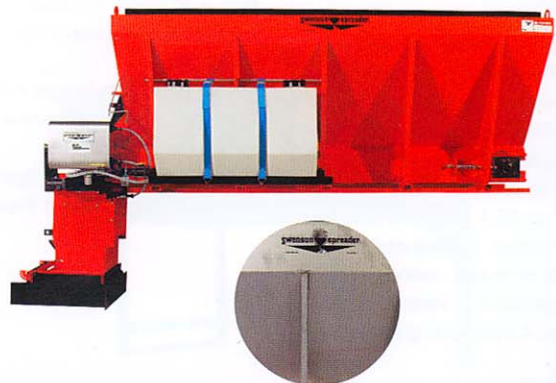
EV-200 Hydraulic Drive Spreader manufactured of 10 gauge carbon steel sides/ends, 82" wide hopper, 7 gauge slotted longitudinals for easy gearbox/drive shaft removal, formed over longitudinals for greater rigidity 45-degree side slope, bolt in 6" wide flange (H) beam, Drop N Loc top screens, 8 tooth drive/idler sprockets, 2" drive shaft, 1-1/2" idler shaft, spring-loaded chain take-up with adjustment at the rear, 7 gauge bolt in replaceable conveyor floor, self cleaning pintle style conveyor chain (21,000 lbs. tensile strength per strand), 1-1/2" x 3/8" double welded cross bars, 6:1 ratio spur gearbox, rear greasing manifold, rear chain wiper, 12" adjustable in height fully enclosed swing-up spinner extension, 2 internal spinner

baffles, 4 overlapping baffles, lower spinner assembly with top mounted motor, 20" polyurethane spinner disc with fins, instruction manual and painted Omaha Orange or Federal Yellow

Improved Standard Features
 82" Wide Hopper
 Formed Over Longitudinals For Greater Rigidity
 Bolt-in 6" Wide "H" Beam
 Spring-loaded Chain Take-up @ Rear
 12" Adjustable In Height Fully Enclosed Swing-up Spinner Extension
 2 Internal Spinner Baffles
 4 External Overlapping Spinner Baffles (3 Adjustable, 1 Fixed)
 20" Polyurethane Spinner Disc

Options
 Sloped front
 Sloped rear
 Belt-over chain
 Flexedge feedgate
 Center beam elevation
 Stainless steel
 Ladder

Tailgate latch
 Inverted vee
 Spill shields
 Hold down options
 Spray systems
 Storage legs
 Skids
 Chain oiler





Pictured:
 EV 100-10'-82"-50 with Optional Equipment
 Ladder
 Tailgate Latch
 Grease Extension to Rear
 Chain Oiler
 Hydraulic Spray System with (1) 90 Gallon Tank
 Hopper Skid Channels

After giving careful consideration to product improvement requests, common enhancements have been made to our EV Series spreaders. While all the EV Series spreaders are quite similar in design now, the one feature that sets one spreader apart from the other is the drive train:

EV-100 (50:1 or 25:1 Worm Gearbox with 1-1/2" drive shaft, 6 tooth sprockets)

EV-150 (50:1 or 25:1 Worm Gearbox with 2" drive shaft, 8 tooth sprockets)

EV-200 (6:1 Spur Gearbox with 2" drive shaft, 8 tooth sprockets)

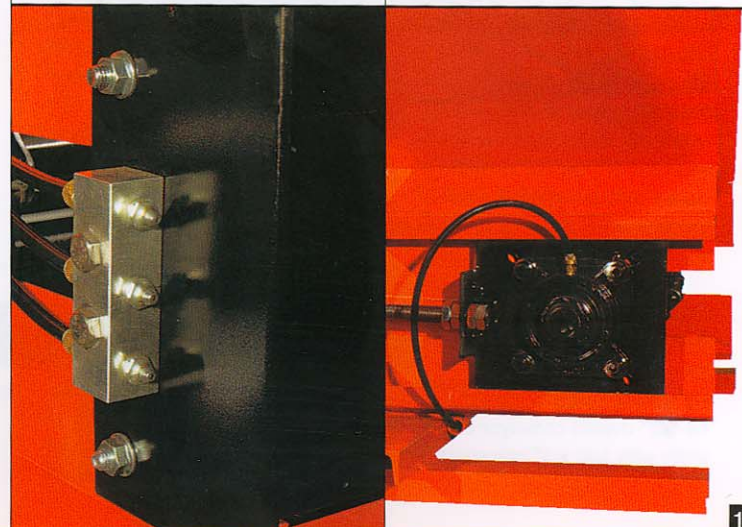
But, after that the EV Selection is all yours.

EV Select was developed to allow for custom designing of your hopper type spreader. The program starts with a basic unit and you can cus-

tomize it from there. If there are certain features that you like on any of our EV Series there is no problem, simply Select the items you desire and custom configure your own hopper spreader. There are many options available with EV Select such as sloped front to accommodate telescopic hoist dog houses, sloped rear to help prevent material free flow, drag chain options such as 21,000 lb. and 24,000 lb. tensile strength pintle and roller chain, top screen center beam elevation, 20" polyurethane spinner disc, storage leg stands, ladder, inverted vee, spill shields and the list goes on. With this program you will receive a photo rendered image, overall dimensions, hopper center of gravities, loaded hopper center of gravities, weight, cubic yard capacity, review of all selected items and a unit suggested list price at the end of your custom configuration. Much

like the EV100, 150 and 200 you choose the length in increments of one foot, with EV Select you may choose width dimensions of eighty, eighty-two (standard) and eighty-four inches and height dimensions in increments of one inch starting

at forty-six inches to a maximum of seventy-two inches. Simply contact your inside sales representative with all your requirements and they will help you custom configure your hopper spreader.



MDV

Sized between the pick-up size spreader and the large V-Box models, Swenson's Medium Duty Vee (MDV) model brings versatility to your fleet. This unit is produced to cover the gap between the 15,000 GVW and the 20,000 GVW trucks. You'll have the flexibility of a smaller vehicle with the capacity of a larger unit. The MDV can be driven on its own power or by truck hydraulics. Many options for comparable models, from other sources, are standard on the MDV. You'll find it to be the unit that completes your fleet.



Specifications

General

Self contained hopper
Spreads free flowing materials—sand and/or salt
Spread width of 4' to 30'
Top screens
Powder coating Safety Yellow

Hopper

12 gauge hopper with one piece sides, one piece ends and double crimped top edges
Six (6) 12 gauge body side supports
Four (4) corner lift loops
45 degree sloped side walls for free flow of material to conveyor
Lever style locking adjustable 7 gauge feedgate 7" x 8-1/2" opening
Heavy duty mounting lugs

Conveyor

Bolt-in 10 gauge replaceable chain shields and conveyor floor
16" overall width conveyor
14-1/2" overall conveyor chain width with 1/4" x 1" crossbars

welded on 4 5/8" centers
12,500 lb. tensile strength per strand pintle type conveyor chain
Inverted vee
Front idler shaft has 4 bolt flange ball bearing
Conveyor driven by 20:1 ratio gearbox utilizing tapered bearings
Spring loaded conveyor chain take up with 3" adjustment
Conveyor sprockets are 6-tooth drop forged keyed for 1-1/4" shafts
Rear conveyor chain wiper

Spinner Assembly

Spinner chute has two adjustable internal baffles
Four (4) overlapping external baffles (3 adjustable, 1 fixed)

13" polyurethane spinner disc with 4 molded in flites

Power Source Engine Drive (EST)

10-1/2 hp Briggs & Stratton I/C engine
Syncro balanced with electric start
Cab controls that include electric throttle, engine start/stop and spreader start/stop
Electric clutch with 90 ft. lbs. of torque
Battery cables and battery hold down
Enclosed engine shroud hinged to hopper

Hydraulic Drive (H)

Requires 17 GPM @ 1,500 PSI (max) for operating both the spinner motor and conveyor motor in parallel and 8-1/2 GPM when operating in series
Conveyor motor is directly coupled to gearbox
Spinner motor is top mounted

Optional Equipment

11 HP Honda engine
Stainless steel construction
Nylon strap mounting kit
Tailgate latch
Chain oiler
Lights
Cab protector
Liquid spray systems
Dual flow hydraulic control valve
Hydraulic hose kits
Hydraulic control valve stand
Hydraulic pump & reservoirs
Tarp kits
Special paint

MDV Dimensions

MODEL	HOPPER LENGTH	HOPPER WIDTH	HOPPER 40" HEIGHT	HOPPER 44" HEIGHT	OVERALL LENGTH	WEIGHTS
MDV-840	8'	70"	3.0 cu yd	-	115"	1176
MDV-944	9'	70"	-	4.0 cu yd	127"	1410
MDV-1044	10'	70"	-	4.5 cu yd	139"	1570

MINIVEE

MiniVee, the smallest spreader is produced by the largest spreader company. The MiniVee is designed for the small jobs. The hopper measures only sixty inches in length, twenty-five inches tall and thirty-six inches in width with a capacity of .56 cubic yard. Standard features include 1/4" woven wire top screens, 6.5 HP gasoline engine, vehicle battery harness (allows the spreader's engine to be started using the vehicle electrical system), replaceable chain shields and belt-over chain conveyor. The MiniVee can be used for sand/salt application or to apply fertilizing agents to larger turf areas.



General

Self contained hopper
Spreads free flowing materials – salt and/or sand
Spread width 4 to 30 feet

Dimensions

Hopper Length 60"
Hopper Width 36"
Hopper Height 25"
Weight 524 lbs

Hopper

14 gauge one piece sides and ends with double crimped top edges
4 - 12 gauge body jacks
45 degree side walls for free flow of material to conveyor
Locking adjustable rear feedgate provides 3-1/2" x 6" opening

Conveyor

12" overall width conveyor designed to protect chain links
Replaceable chain shields
12 - gauge steel floor flat design
11,000 lb. tensile strength per strand self-cleaning pintle with hardened steel pins
Chain width 10-5/8" x 1/4" x 1" crossbars on 5" centers
Low temperature belt over chain
Conveyor driven by 20:1 ratio worm gearbox mounted on tapered roller bearings
3" adjustment for chain take up
Chain driven by two 6 tooth

sprockets keyed to 1-1/2" drive shaft
1-1/2" idler shaft with 6 tooth sprockets
Self-aligning bronze bearings on idler shaft
1/4" woven wire top screens

Spinner Assembly

Spinner hopper has two adjustable internal baffles
13" polyurethane spinner disc with 4 molded in flites
4 overlapping external baffles (3 adjustable, 1 fixed)
12 gauge spinner chute
1" spinner drive shaft supported by re-lubeable ball bearings

Powder Coat

Shot blasting of unit to remove all millscale and foreign material
Surface is chemically cleaned by high pressure spray system
Proper procedure for powder coat

baking and curing is then followed
The standard powder coat color is Safety Yellow

Power Source

6.5 hp 4 cycle Briggs & Stratton engine
Synco balanced with electric starter
Electric clutch with 90 ft lbs of torque
In cab start, stop and throttle controls
Vehicle battery harness
Enclosed engine hood hinged to hopper

Options

Storage leg stands

PV

PV Series units are versatile enough to mount in most medium or heavy-duty pickup trucks. They will also provide years of rugged service when installed on one-ton trucks. A wide variety of options allow the PV Series spreaders to meet a wide range of specifications.



Liquid Spray System



Special angle of tank design allows liquid spray system to fit all standard dumpbodies without modification or retrofitting.

A 5" threaded and vented cap allows filling without removal, which means less downtime. Designed to work with our Quick Fill kit. (Optional kit sold separately.)

With dual tank systems, 1-1/2" diameter poly hose is standard and allows for easy filling.

Pump housing can be set up for hydraulic or electric spray systems. Enclosed for protection from environment to ensure proper performance.

Swenson Spreader's dual baffle deicing Liquid Spray System brings innovative technology to the snow and ice control industry. Strategically engineered for V-box units, the dual baffle system has improved caps, reduces sloshing, which reduces foaming, and is uniquely designed to tuck into the sides of the V-box configuration. 90 gallon and 135

gallon tanks are available in multiple configurations. Now when you spread your material mix onto the road surface-calcium and magnesium chloride, glycol, liquid urea or other liquid deicing material can be sprayed on to your surface control mix helping it stay where it lands with no surface splash. This allows better control of your deicing material, which means substan-

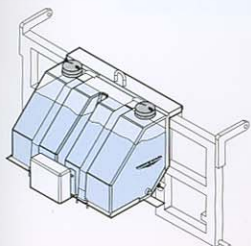
tial savings over the course of your season. All parts that come in contact with the liquid being sprayed are corrosion resistant. The rugged dual baffle spray tank(s) can be added to many makes of spreaders. Several configurations are available. Model LSS-E features a remote controlled electric powered spray system. Model LSS-H is a hydraulic inline

system with conveyor/auger motor. PV/MDV remote controlled electric powered spray systems are also available. All standard models come with cab controls. Models are available with flow meters for closed loop systems. Options are available depending on the system you select for your operation. A complete operating/instruction manual will be provided.



Unique design tucks right into the V-Box design protecting it from potential damage

Designed for tailgates also. See complete configuration chart for details



V-Box Tank Combinations Requirements

TANK	MINIMUM NO. OF V-BOX BODY JACKS REQUIRED	MINIMUM V-BOX SIZE REQUIRED
1-90 gallon or 2-90 gallon (opposite sides)	3	8-9 ft.
1-135 gallon or 2-135 gallon (opposite sides)	4	8-9 ft.
4-90 gallon (2 on each side)	5	10-11 ft.
2-90 gallon and 2-135 gallon (1 of each type on each side)	6	12-13 ft.
4-135 gallon (2 on each side)	7	14-15 ft.

The unique design of the dual baffle system reduces sloshing, which reduces foaming and keeps system performing at top efficiency

