



BC502-SC

Seal Coat Spreader



Seal Coat Spreader FEATURES

- All spread, circulate & load functions are selected from the cab or side control
- Heavy duty 4.75 cu. in (75 cc) Sauer-Danfoss hydrostatic piston pump
- Cab control of the GSY, spray-bar asphalt valves, diagnostics, spray-bar raise, lower, side shift and spray-bar flush
- Break away wings to prevent damage if an object is struck while spreading product, shear pin replaceable in less than one minute
- On-Board Diagnostics

BC502-SC CRC Seal Coat Spreader

The BC502-SC is designed from the ground up to do precision Seal Coat spreading from 1' to 16'

BEARCAT



Proudly made in Wickenburg, Arizona USA



Let us design a solution to fit your needs. Call BearCat today

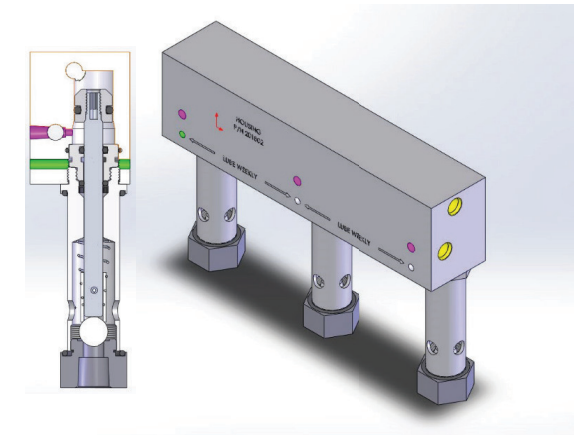


BearCat's Industry Leading Firsts

Full Cab Control
1-Foot Spray Control
Marker Valves

Computerized Rate Control
Internal Poppet Spray Valves
Self Contained Crumb Rubber Trailer

Double Fold Wings
Limit Switches on Wings
Tri-Valves

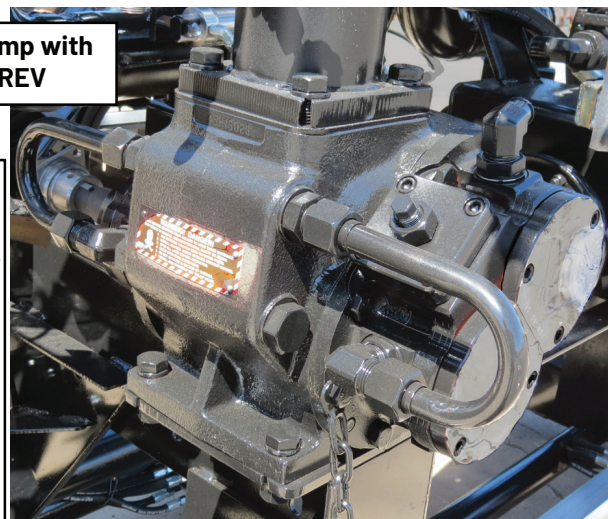


Tri-cylinder Poppet Valves have no external moving parts

Tri-Valve Manifolds

- Internal poppet spray valves are immersed in seal coat, providing instant spray when valves turn on.
- Fully enclosed system that is not effected by out-side asphalt and road grime build up.
- Rugged construction with no requirements for adjustments.

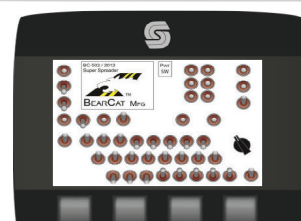
BC600 Pump with FWD/REV



Pump Drive System

This is the heart of BearCat's Seal Coat Spreader Technology!

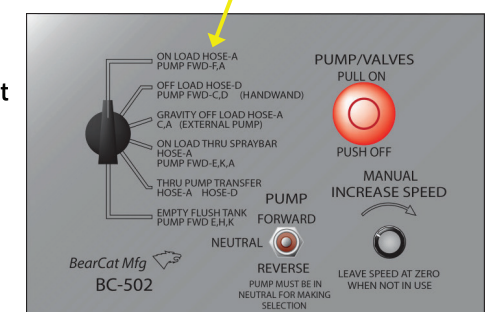
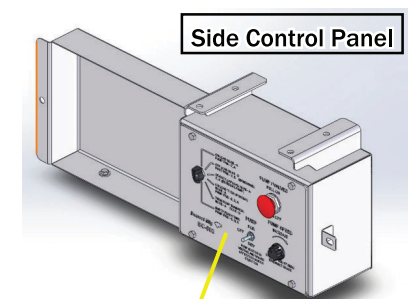
We start with a heavy duty Sauer-Danfoss closed loop hydrostatic drive system, that is controlled by our industry leading CRC control system. The new CRC used in the BC502-SC is designed to be more accurate, easier to set up, easier to use and easier to read your results then ever before.



CRC Features

All spread, circulate & load functions are selected from the cab or side control. The correct asphalt valve is automatically opened or closed, keeping the operator away from the rear of the truck during this part of operations. The taper switch allows the operator to perform a complete taper cut from one side of the spray bar to the other, with the use of one toggle switch. Ready switch: Up to one minute before you are ready to start spreading, toggling the ready switch will allow the CRC to calculate the required pump speed and get the pump to the proper speed, preventing flooding or streaking. GSY selection to the tenths. On-board diagnostics. The valve selector selects the correct asphalt valves and locks out any others that are not needed for the selected function. Color 3.5" 320x240 color LCD display. Easy to use setup, diagnostics, and information pages are easily accessible.

Side Control Panel



BC-502-SC Super Spreader

BC502 Seal Coat Spreader Truck Specifications and Benefits

Product Pump Components

- Product pump 0.60 G/rev (1.70 L/rev) 480 GPM (1515 LPM) max, (large pump inlet porting).
- 4 in (7.62 cm) pump intake plumbing.
- 5 in (9.53 cm) tank valve.
- Large capacity suction strainer.
- Spray bar serviceable screen.
- BearCat's Exclusive Electronic asphalt valve selector.
- PTO front-mounted hydraulic system standard.

Spraybar and Components

- Full circulating spray bar.
- Break away wings to prevent damage if an object is struck while spreading product, shear pin replaceable in less than one minute.
- Spray-bar 12 ft -16 ft (3.6 m -4.9 m) w/ 1 ft (0.3 m) cuts.
- 8 ft (2.5 m) main bar w/various wing options.
- Rubber asphalt, 3 in (7.62 cm) bar feed hoses.
- Manual Spray Bar Angle Adjustment.
- Fully immersed spray poppet valves.



Leading the world in the manufacturing of high production precision asphalt systems, BearCat has built a reputation for being the "go to" place for seal coating, computer controlled asphalt and aggregate spread systems.



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As a part of product improvement, BearCat Mfg. Inc. reserves the right to make changes in any of BearCat's product specifications at any time.
-BearCat. Mfg.

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Hydraulic System

- Heavy duty 4.75 cu. in (75 cc) Sauer-Danfoss hydrostatic piston pump.
- High Pressure Piston motor 1.53 cu. in (25 cc) w/internal loop flushing valve.
- Hydrostatic motor runs through a 3.5 to 1 gearbox for precision control of light shots.
- Spray-bar raise/lower, wing raise/lower, spray-bar side shift functions supplied by a V10 vane pump.
- Hydraulic tank 20 gal (75 liters) w/ suction strainers & return line filter.

Tank Specifications

- Truck tank sizes from 1,500 to 3,500 gallon (5,678 to 13,249 liter).
- Shell: HR sheet steel 10 gauge.
- Heads: Mild steel plate 3/16 in (4.76 mm).
- Full Sweep Agitation with Cab Controls.

Water System

- 90 Gallon Poly Water Tank
- Front Spray Bar.
- Optional 2nd 90 Gallon Water Tank

Computer Rate Control System (CRC)

- CRC control, cab mounted for full spreading operation from drivers seat.
- All electrical connectors and controllers IP67 rated (pressure wash-down).
- Any non-IP67 rated connectors are crimped and soldered to prevent corrosion of terminals and copper wiring.
- 12 VDC control system.
- Computer Rate Control (CRC), uses closed loop control to control the spread rate of the asphalt pump.
- Cab control of the GSY, spray-bar asphalt valves, diagnostics, spray-bar raise, lower, side shift and spray-bar flush.
- All computer nodes use a two wire CAN communication system.
- The air-valve banks are CAN communication as well, which greatly reduces wiring. BearCat left side mounted computer controlled valve selector.