BOSSTEK

The most versatile of the DustBoss® cannon line is paired with a dosing pump to inject chemical into the water flow and create a multi-purpose dust control system. With coverage over 6,100 square feet, additives are widely dispersed to get the job done.

DB-30 INJEKTOR™

DB-30 INJEKTOR™

CANNON SPECIFICATIONS

GENERAL SPECIFICATIONS

- Throw: 100 feet (30 meters).
- Fan: 9,200 CFM (260.50 CMM) with 7.5 HP fan.
- Optional single-phase motor: 8,000 CFM (226.50 CMM).
- Standard 70° oscillation coverage: 6,100 square feet (566 square meters).
- Optional 359° oscillation coverage: 34,000 square feet (3,158 square meters).
- Adjustable throw angle: 0° - 50° pitch.
- Nozzles: 30 brass (also available in stainless and nylon).
- Droplet size: 50 - 200 microns.
- Premium efficiency direct-drive motor.

NOISE

- Between 89 and 108 decibels at 0 feet.

WATER REQUIREMENTS

- Recommended water pressure: 40-90 PSI (2.75 – 6.21 BAR).
- Maximum water pressure: 100 PSI (6.89 BAR).
- Connection: 5/8" (15.80 mm) garden hose.
- In-line 75-mesh (200-micron) filter system (included) should be used at all times.
- Contact us for recommendations if using non-potable water.

ELECTRICAL SPECIFICATIONS

- U.S.: 3 phase / 7.5 HP fan / 480 volt / 60 hertz.
- Full load current: 11 amps.
- 30 kW generator is recommended.
- Oscillator: 1/8 HP (0.10 kW).
- 100 foot (30.48 meters) 10/4 SOOW bare wired electrical cord.
- NEMA 3R control panel enclosure.
- Optional (U.S. only): Single-phase / 5 HP fan / 240 volt / 50 hertz.

DIMENSIONS

(Standard: Carriage Mount)

- 5.20 feet (62.40 inches or 1.59 meters) wide.
- 8.50 feet (102.0 inches or 2.59 meters) long.
- 5.30 feet (63.60 inches or 1.62 meters) tall.
- 800.00 lbs. (362.87 kilograms).

(Shipping: Crated)

- 5.67 feet (68.04 inches or 1.73 meters) wide.
- 7.58 feet (90.96 inches or 2.31 meters) long.
- 6.17 feet (74.04 inches or 1.88 meters) tall.
- 1,300.00 lbs. (589.67 kilograms).

MAINTENANCE

- For potable water, inspect nozzles once a year.
- Grease fan motor every 10,000 hours.
- Grease turntable bearing on a regular maintenance schedule or as needed.

OPTIONS

- User-definable 359° oscillation.
- Non-potable water filter solutions.
- Variable frequency drive (VFD) for adjustable fan throw distance.
- Quick release manifold for easy manifold and nozzle removal.
- Additional mounting: skid / tower / trailer.

WARRANTY

CANNON: 3 YEAR / 3,000 HOUR

ENGLISH UNITS					
Supplied Water Pressure, PSI	25	40	60	80	100
Water Flow, GPM	4.9	6.26	7.6	8.7	9.8
METRIC UNITS					
Supplied Water Pressure, BAR	1.72	2.76	4.14	5.5	6.89
Water Flow, LPM	18.5	23.7	28.8	32.9	37.1
					5/8" Garden Hose Water Supply

DB-30 INJEKTOR™

PUMP SPECIFICATIONS

GENERAL SPECIFICATIONS

- Chemical metering into water flow: 2.5 GPH (9.61 l/h) - 100 PSI (6.90 BAR).
- Required power: 120 VAC, US Plug.
- Clear liquid crystal display.
- Control selectable between internal and external pulsing via tactile keypad.
- Adjustable stroke frequency between one (1) stroke per hour to 100 strokes per minute.
- Adjustable pressure capacity keypad to reduce noise, vibration and wear.
- Capable of dividing or multiplying pulse inputs from 1 to 999 or responding directly or inversely to a 4-20mA input signal.

MATERIAL SPECIFICATIONS

- Chemical metering pump housing made of chemically resistant glass fiber reinforced thermoplastic.
- Stainless steel exposed fasteners.
- Ball type chemical metering pump valves with ceramic balls.
- Renewable valve seat and seal ring through replacing the combination seat-seal ring or cartridge valve assembly.
- Transparent acrylic pump capable of resisting the injected chemical.
- Pump head PVC fittings and connections.

CHECK VALVES AND TUBING

- 16 ft (4.8 m) of polyethylene tubing provided per pump, complete with compression connections.
- Foot valve with integral one-piece strainer provided for the suction line.
- Injection/back pressure check valve with 1/2" NPT male connection for the injection point.
- Dilating orifice on injection check valve which prohibits scale formation and accumulation of crystalline deposits.

STROKE SPECIFICATIONS

- Strokes per minute (adjustable): Minimum: 1. Maximum: 100.
- Stroke length (adjustable): Recommended minimum: 10%.
- Average input power at max speed: 29 watts.
- Shipping weight: 15 lbs (6.9 kg).

DOSING ABILITY TABLE

GALLONS PER HOUR*		LITERS PER HOUR*		mL/cc PER MINUTE*		mL/cc PER STROKE*		MAXIMUM INJECTION
MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	PRESSURE*
0.003	2.5	0.009	9.5	0.16	158	0.16	1.58	100 PSI (6.9 BAR)

**Minimum output is based on 1 stroke per minute and 10% stroke setting, minimum output can be reduced further in external mode. Can be programmed for strokes per hour for lower outputs.*

FLOW RATE TABLE (GPM)

NOZZLE TYPE	PART NUMBER	SUPPLIED PRESSURE (PSI)*									
		10	20	30	40	50	60	70	80	90	100
Midget	64-000130	0.329	0.459	0.559	0.642	0.715	0.781	0.841	0.897	0.950	1.000
Size 6.5	64-GOLF6.5	0.888	1.254	1.536	1.772	1.980	2.169	2.342	2.504	2.655	2.798
Size 19.5	64-GOLF19.5	3.085	4.364	5.346	6.173	6.902	7.562	8.168	8.732	9.262	9.764

**BossTek® recommends a supply pressure of at least 40 PSI or greater for optimal atomization.*

TELEMET
Efficiency Through Simplicity™

Advice, spare parts and service

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