Solaer® SB3 and SB4

The Keeton Industries Solaer series of solar powered lake bed aeration systems are the ideal choice for remote ponds and lakes where power is not available or for an environmentally conscious solution. The SB-3 and SB-4 are effective in aerating ponds and lakes up to 4 surface acres in size. These systems come complete with a high efficiency solar panel, charge control system, battery back-up, EcoFlow energy efficient compressor, high volume cooling fans, programmable digital timer and a fully adjustable aluminum manifold housed in attractive, 100% recycled plastic cabinet. Duraplate self-cleaning, non-clogging membrane diffusers emit millions of tiny bubbles that increase dissolved oxygen levels while eliminating stratification, improving water quality and clarity.

The Cabinet
- Attractive, 100% recycled plastic cabinet
- 20”W x 36”L x 27”T
- 3/7cm cooling blower
- Two - 2 Valve Adjustable Manifolds
- Programmable Digital Timer
- Sound reduction package
- 1" AS1M certified Acoustical Foam
- Charge Control System
- Dual EcoFlow 24V Compressors

The Tubing
- Self-weighted
- 1/2” I.D. with 1/4” sidewalls
- Fishhook resistant
- Will not kink or break
- Available in 100’ and 500’ lengths
- 15 year warranty

The Diffuser
- Self-cleaning
- Non-clogging
- Self-weighted
- Fishhook resistant
- High Oxygen transfer
- Lifetime warranty

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Solaer® SB3 and SB4

MODEL FFP-546-2 ANODIZED ALUMINIUM MANIFOLD WITH (4) BRASS VALVES WITH BARB OUTLETS.

SB SERIES AERATION SYSTEM CABINET MADE OF 100% RECYCLED PLASTIC WITH THE DIMENSIONS OF 37.5" (L) X 21.5" (W) X 18.5" (H).

PROSTAR 30 SOLAR CHARGE CONTROLLER WITH DIGITAL DISPLAY.

DIHL CONTROLS 24 HOUR/7 DAY DIGITAL TIMESWITCH SERIES 88A.

24V, 120V, AND SPOT SWITCHING, 1 CHANNEL, 0.38W X 0.8MM TAB TERMINALS) CONNECTIONS (COMPATIBLE WITH CN-4624).

COOLING/VENTILATION BLOWER, 27 CFM.

TWO-24VAC ECO FLOW COMPRESSORS

AIR FILTER

FLOOR OF CABINET, FITTED AND GLUED WITH ACOUSTICAL CONVOLUTED FOAM INSULATION, 1" ASTM RATED C-423-5/8A, TO THE NEAREST 0.05 Sabin’.57’’ WITH A NOISE REDUCTION COEFFICIENT OF 0.45. ULMA APPROVED SOUNDPROOFING AND UL/CE RATING.

(4) DC115-12 DEEP CYCLE AGM BATTERIES.

TOP VIEW (SEE SHEET #2)

SIDE VIEW

SB SERIES LINE AERATION SYSTEM CABINET MADE OF 100% RECYCLED PLASTIC WITH THE DIMENSIONS OF 37.5" (L) X 21.5" (W) X 18.5" (H). CABINET IS COVERED WITH PANO HINGE (BACK) AND LOCKABLE HASP (FRONT).

(2) AIR OUTLET LINES FROM COMPRESSORS THROUGH CABINET WITH 2" 200 PSI RATED FLEXIBLE BRAIDED VINYL TUBING. EACH FLEXIBLE TUBING OUTLET SHALL BE 4'-6" LONG AND FITTED WITH 1" ID BARB CONNECTS. ALL AERATION SYSTEMS SHALL BE FURNISHED WITH STAINLESS STEEL "WORM DRIVE CLAMPS TO FIT 2" HOSE, MODEL 67-661 TO CONNECT ON SHORE AND TO DURAPLATE® (CDP-7) IN LAKE.

CABINET IS CONSTRUCTED WITH (4) LEGS THAT CAN BE BOLTED TO A CONCRETE SLAB (39") X 32" (W) X 7" (H).

TITLE: SOLAER AERATION SYSTEM SB 3-4 SERIES - MULTI VIEW

DATE: 7-29-13 SHEET: 1