



Product specifications can be found on page 2.



## PRODUCT SPECIFICATION

VB4000 CENTERLINE® MAGIC™ SELF STORING VOLLEYBALL SYSTEM

REVISED 8/1/17

System shall be designed so that the poles telescope into permanent floor wells that recede no more than 32" below the playing surfaces when not in use, eliminating the need to transport the poles from and to storage for set up and tear down.

Each pole shall be constructed of five 6061-T6 aluminum tubes each machined for a smooth telescoping operation and then hard coated for durability. Each pole section shall have a wall thickness of approximately 1/4" to insure rigidity and durability.

Floor well shall be constructed of 6061-T6 aluminum, have a water tight sealed bottom plate and allow the inner telescoping poles to be removable for service if needed.

The lowest pole section shall telescope with the mating pole section by manually lifting approximately 20" and then rotating approximately 10° to lock in place. The next three ( 3 ) pole section shall telescope by lifting each approximately 20" until a spring detent pin aligns with a locator hole in the mating pole section. The top telescoping section shall be adjustable in 1/2" increments by means of a spring loaded release pin. Additional adjustment in 1/16" increments shall be achieved by 180° rotation of the top rope guide. Design shall incorporate features to control the downward momentum of the pole sections as they are released and lowered.

Pole section shall be collapsed by means of a spring loaded push button in each upper section.

When not in use, the floor well and pole shall be concealed under a hinged brass floor plate permanently attached to the finished floor.

The top of the net shall be tensioned by means of an aluminum machined winch with a 26:1 ratio worm gear mounted on the end. All winch shafts shall rotate in sealed ball bearings. Winch shall be designed to wind a 2" wide nylon webbing strap that is attached to the net top rope and have a non removable folding handle. Net bottom rope shall be tensioned by means of a ratcheting style tensioner. Each net side tape shall have internal fiberglass dowels and shall be tensioned by means of no less than two ratchet style rope tensioners per end.

Net tensioning winch, Kevlar top rope net, antennae, boundary markers, net height gauge and side tape tensioners shall be stored in a zippered carrying case and all be capable of setup without tools by a single person.

Net tensioning winch shall carry no less than a limited lifetime warranty. System shall have a 5-year post and padding warranty and a 2-year net and antenna warranty. Entire system shall all meet or exceed NCAA, USVBA and National High School Federation rules for all levels of play.

Entire system shall weight 125#.

Installation to be completed in accordance to manufacturer's instructions. Do not scale drawings.



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