

90665-000 - SLOPE-FOLD® DIVIDER CURTAIN

SLOPE-FOLD® GYMNASIUM DIVIDER CURTAIN

SPECIFICATIONS

PORTER No. 90665-000 SLOPE-FOLD® GYMNASIUM DIVIDER CURTAIN

Gym divider shall be a slope-fold type _____ wide by _____ high (at highest attachment point) and shall be in one continuous section as manufactured by Porter Athletic.

Gym divider curtain shall be designed to fold above the horizontal position in peaked or sloped structures to fold compactly to the contour of the roof structure in order to allow maximum clearance for basketball or volleyball courts.

Lower section of curtain shall be 8'-0" high Flexivide® solid vinyl, polyester reinforced 19 oz. vinyl coated fabric (per square yard, containing antibacterial, fungi-resistant and flame-retardant chemicals to meet requirements of ASTM E-84 Class A Rating (25 Flame Spread, 450 Smoke Development), and NFPA-701 large scale, ULC S-109 large and small scale, and State of California test requirements). Flexivide® colors available – Navy Blue, Royal Blue, Light Blue, Dark Green, Kelly Green, Yellow Gold, Tan, Purple, Orange, Red, Maroon, White, Gray, and Black (specify).

Upper section of curtain shall be of Fleximesh®, designed for air breathing areas in gym dividers, tennis screens or other custom air transfer applications. Fleximesh® material shall be an open polyester type interlocking grid weave coated with polyvinyl chloride with an approximate 45 to 50% open area. Weight of material = 7 oz. per square yard. Flame resistant (meets California Health and Safety Code Section 13115 Large and Small Scale Test, Fed. Std. 191A, CPAI-84, NFPA 701, BIFMA F-1-78, MSHA-155). Fleximesh® begins at a standard height of 8'-0" above the floor (specify if other height is required). Fleximesh® colors available – Gray, White, Black, Royal Blue or Red (specify).

Curtain shall be hoisted by 1/8" dia. vandal-proof, galvanized aircraft cable (2,100 lb. breaking strength each cable, spacing not to exceed 10'-0") passing thru grommet type cable guides secured to the solid and mesh sections of the divider on approximate 24" centers. Bottom end of cables to terminate around 1-5/16" O.D. tube in bottom pocket, secured with concealed nicropress, swaged type clamps. Each end of bottom pocket shall be weighted for proper curtain operation.

Upper ends of hoist cables shall pass through heavy duty, 2-1/2" diameter steel sheave assemblies equipped with needle roller bearings to minimize friction and drag during operation. Cables shall be individually routed to the electric hoist system by means of special idler pulley assemblies as required by building conditions.

Each hoist cable shall terminate in individual hoist drums on remote electric operator. Each hoist drum shall be sized with a variable diameter ratio system to allow divider curtain to raise and store into sloped ceilings, peaked or arched structure to conform to existing building conditions to all maximum clearance for all sports.

All metal parts shall be painted one (1) coat of flat black enamel. (If special painting or colors are required, specify final painting by painting contractor.)

Hoist system shall be powered by means of a heavy duty 1 H.P. (13 amp), 115 volt, C-Faced type motor and double reduction (300-to-1) gear reducer furnished with automatic overload protection. Hoist system shall incorporate a special automatic 6 ft. lb. brake mechanism. Gear reducer shall be filled with oil and equipped with high quality Buna-M lip seals for long life and maintenance-free service. Special rotary-counting limit switches to limit the up and down operating limits of the divider shall be an integral part of the operation.

Adjustment of said switches designed to be easily made without the use of tools. Operator shall be pre-wired with a 72" long rubber covered cable with polarized plug attached; cover plate and box by others. Key switch shall be furnished complete with a stainless steel cover plate for flush mounting into a 4" square by 3-1/2" deep wall junction box (Steel City No. GW-235-C or equal) which is to be provided by the electrical contractor. For safety, key switch to be located so that the operator has full view of the curtain while being operated. Wiring of all electrical components shall be in accordance with local codes and in accordance with manufacturer's instructions. All conduit, wiring, junction boxes and components not specified herein shall be furnished and installed by the electrical contractor.