



GYMNASIUM CURTAINS

GYMFOLD

GYMFOLD D

Electrically Operated Double Curtain



Features

- **Good Sound Control and Safety**
Curtain with double siding \pm 460mm (18 inches) apart.
- **Ease of operation**
Cables and pulleys lifting system activated by a constant-pressure single key switch (second key switch is optional).
- **Impact resistant**
Both sides of curtain are made of 43 oz vinyl.
- **Guide box (optional)**
At each end of the curtain, they prevent children from getting between the two layers and accentuate the acoustical value. Same finish as the curtain.

- **Valences (optional)**
Above the curtain, they conceal the operation mechanism and increase sound reduction.
- **Maximum Safety**
Moderco motor system has all the necessary features to prevent the curtain from free falling.
 - 1) Machined grooved drums to avoid cable derailment.
 - 2) Double-chain system in case of chain breakage.
 - 3) Optional mechanical or hydraulic emergency stopping device in case of breakage or malfunction.
- **Warranty**
A 100% 5-year warranty on all components

■ MATERIALS

A. Product to be top supported Gymfold D, Electrically Operated vertical lifting curtain as manufactured by Moderco Inc.

1. Curtain shall be formed of two panels separated by a distance of 18" [460].
2. Both panels shall be made of polyester reinforced vinyl.
3. Panels shall be formed of horizontal 60" [1525] high strips in sufficient quantity and sufficient length to cover the entire opening.
4. Strips shall be joined to one another by means of double seams.
5. Both panels shall be joined by wires measuring 1/8" [3] in diameter and spaced regularly at 30" [760] O/C.
6. Panels shall be without any visible joint or wiring on outside surfaces.

B. Weight of the curtain shall not exceed 1 lbs./sq. ft. [5 kg/sq.m.] based on options selected.

C. Raising Mechanism:

1. Drive System:
 - a. The drive unit (located approx. in the middle of the opening) shall be equipped with a C.S.A. (UL) approved 1 HP, 208 V, 3 phase, 60 Hz motor. (HP of motor will be adjusted to size of curtain).
 - b. The drive unit shall be equipped with a magnetic contactor which can reverse the movement of the curtain at any point and travel limit switches for the up and down positions.
 - c. All transmission shafts of the drive unit shall measure 1 1/4" [32] in diameter and be equipped with continuous machined grooved drums to allow a single and uniform winding.
 - d. All lifting cables shall be 1/4" [6] diameter aircraft type. There shall be three (3) complete turns of cable left on the drums when the curtain is in the lowered position and there shall be one (1) empty groove on the drums when the curtain is in the raised position.
 - e. Operation of the curtain shall require the use of a spring loaded key switch positioned to allow the operator a clear unobstructed view during operation of the curtain.
 - f. The travel limits of the curtain shall be controlled by limit switches positioned on the drive unit, thereby ensuring full travel before shut off.

2. Suspension System:

- a. The drive unit shall be suspended from the existing structure by threaded rods of 1/2" [13] in diameter.
- b. The diameter of the lifting pulleys shall be at least 30 times the cable diameter to prevent any premature wear. The pulleys shall be attached to the structure and spaced at \pm 10'-0" [3050] along the entire width of the opening.
- c. The steel angles used to hold the lifting pulleys and the curtain shall have minimum dimensions of 3" [75] X 2" [50] X 1/4" [6] mm and shall be attached to the existing structure with threaded rods of 1/2" [13] in diameter. The steel angles shall not be welded to existing structure.

D. Finishes

1. Curtain finish shall be made of 43 oz/sq.yd [1.5 kg/sq.m] polyester reinforced vinyl and shall meet NFPA 701 and ULC CAN4 S-109 burning tests.

E. Accessories/Options

1. The stacking of the curtain at the ceiling shall be hidden between valances of 4'-10" [1475] of height made from the same vinyl as the curtain.
2. Vertical guides of 4 5/8" [120] deep by 4" [100] wide made of a 28 lbs/cubic ft. [450 kg/cubic m] density open cell foam covered of the same vinyl as the curtain and fasten to the walls at each side of the opening. The guides shall be (select one) 8'-0" [2440] high, or full height of the opening.
3. Mechanical emergency stopping devices (2) shall be installed on the drive unit to prevent the free fall of the curtain in case of a failure of the gear box. The devices shall be installed on both transmission shafts.
Optional upgrade:
An hydraulic emergency stopping device shall be installed on the drive unit to limit the descending speed to (or less than) the normal operation speed in case of a failure of the gear box. The device shall be directly connected to the motor gear box.

■ OPERATION

- A.** Curtain shall be electrically operated, top stacked, vertically lifted.

GYMFOLD S

Electrically Operated Single Curtain



Features

- **Economical.**
Same lifting system and options than Gymfold "D" for a lower price.
- **Multiple finish options**
Curtain can be full-height 43 oz vinyl, full-height 19 oz vinyl, or combination of 19 oz vinyl and netting.
- **Ease of operation**
Cables and pulleys lifting system activated by a constant-pressure single key switch (second key switch is optional).

- **Maximum Safety**

Moderco motor system has all the necessary features to prevent the curtain from free falling.

- 1) Machined grooved drums to avoid cable derailment.
- 2) Double-chain system in case of chain breakage.
- 3) Optional mechanical or hydraulic emergency stopping device in case of breakage or malfunction.

- **Warranty**

A 100% 5-year warranty on all components

■ MATERIALS

A. Product to be top supported Gymfold S, Electrically Operated vertical lifting curtain as manufactured by Moderco Inc.

1. Curtain shall be formed of one panel.
2. Panel shall be made of (select one) full height polyester reinforced vinyl or top netting with bottom polyester reinforced vinyl.
3. Panel shall be formed of vertical 60" [1525] wide strips in sufficient quantity and sufficient length to cover the entire opening.
4. Each strip shall be heat sealed together and the seams should have the same characteristics as the vinyl.
5. The panel shall be equipped with eyelets riveted to the vinyl, spaced 25" [635] apart along the entire height and 10'-0" [3050] apart along the entire width of the wall to allow the routing of lifting cable.

B. Weight of the curtain shall not exceed 0.5 lbs./sq. ft. [3 kg/sq.m], based on options selected.

C. Raising Mechanism:

1. Drive System:
 - a. The drive unit (located approx. in the middle of the opening) shall be equipped with a C.S.A. (UL) approved 1 HP, 208 V, 3 phase, 60 Hz motor. (HP of motor will be adjusted to size of curtain).
 - b. The drive unit shall be equipped with a magnetic contactor which can reverse the movement of the curtain at any point and travel limit switches for the up and down positions.
 - c. All transmission shafts of the drive unit shall measure 1 1/4" [32] in diameter and be equipped with continuous machined grooved drums to allow a single and uniform winding.
 - d. All lifting cables shall be 1/4" [6] diameter aircraft type. There shall be three (3) complete turns of cable left on the drums when the curtain is in the lowered position and there shall be one (1) empty groove on the drums when the curtain is in the raised position.
 - e. Operation of the curtain shall require the use of a spring loaded key switch positioned to allow the operator a clear unobstructed view during operation of the curtain.
 - f. The travel limits of the curtain shall be controlled by limit switches positioned on the drive unit, thereby ensuring full travel before shut off.

2. Suspension System:

- a. The drive unit shall be suspended from the existing structure by threaded rods of 1/2" [13] in diameter.
- b. The diameter of the lifting pulleys shall be at least 30 times the cable diameter to prevent any premature wear. The pulleys shall be attached to the structure and spaced at ± 10'-0" [3050] along the entire width of the opening.
- c. The steel angles used to hold the lifting pulleys and the curtain shall have minimum dimensions of 3" [75] X 2" [50] X 1/4" [6] 6mm and shall be attached to the existing structure with threaded rods of 1/2" [13] in diameter. The steel angles shall not be welded to existing structure.

D. Finishes (select one)

1. Curtain finish shall be made of 43 oz/sq.yd [1.5 kg/sq.m] polyester reinforced vinyl and shall meet NFPA 701 and ULC CAN4 S-109 burning tests.
or
1. Curtain finish shall be made of 19 oz/sq.yd [644 g/sq.m] polyester reinforced vinyl and shall meet NFPA 701 and ULC CAN4 S-109 burning tests.
or
1. Curtain finish shall be made of 19 oz/sq.yd [644 g/sq.m] polyester reinforced vinyl on the lower part and of netting in the upper part and shall meet NFPA 701 and ULC CAN4 S-109 burning tests. The vertical sections of net in the upper part shall be joined by a 6" [150] strip of same vinyl providing a path for the lifting cable.

E. Accessories/Options

1. The stacking of the curtain at the ceiling shall be hidden between valances of 4'-10" [1475] of height made from the same vinyl as the curtain.
2. Mechanical emergency stopping devices (2) shall be installed on the drive unit to prevent the free fall of the curtain in case of a failure of the gear box. The devices shall be installed on both transmission shafts.
Optional upgrade:
An hydraulic emergency stopping device shall be installed on the drive unit to limit the descending speed to (or less than) the normal operation speed in case of a failure of the gear box. The device shall be directly connected to the motor gear box.

■ OPERATION

A. Curtain shall be electrically operated, top stacked, vertically lifted.

SELECTION TABLE

MODEL	OPERATION	STACK	CURTAIN MATERIAL			
			43 oz.	19 oz.	COMBINATION 19 oz. and Net	NET
Gymfold "D"	Electrical	To ceiling	✓			
Gymfold "S"	Electrical	To ceiling	✓	✓	✓	
Gymfold "M"	Manual	To side		✓	✓	✓

GYMFOLD M

Manual Curtain

Features

- **Manually operated**
Least expensive of the three types of curtains.
- **Light weight**
Available with 19 oz vinyl and/or netting.
- **Multiple uses**
Can be used with numerous kind of utility netting (golf, baseball, achery, etc.)



■ MATERIALS

A. Product to be top supported Gymfold M, Manually Operated walk & draw type curtain as manufactured by Moderco Inc.

1. Curtain shall be formed of one panel.
2. Panel shall be made of (select one) full height polyester reinforced vinyl or top netting with bottom polyester reinforced vinyl.
3. Panel shall be formed of vertical 60" [1525] wide strips in sufficient quantity and sufficient length to cover the entire opening.
4. Each strip shall be heat sealed together and the seams should have the same characteristics as the vinyl.
5. The panel shall be built with top and bottom hems. The top hem shall be equipped with eyelets riveted to the vinyl, spaced 18" [460] apart along the entire width for trolley attachment. The bottom hem shall be filled with a continuous chain to provide weight at the bottom of the curtain.

B. Weight of the curtain shall not exceed 0.5 lbs./sq. ft. [3 kg/sq.m]. based on options selected.

C. Suspension System:

1. Track shall be double T-shaped tempered aluminum. Track shall include support plates spaced to manufacturer's standards.
 - a. Curtain shall be supported by 2-wheeled carrier spaced every 18" [460]. Wheels to be steel ball bearings encased with nylon tires.

D. Finishes (select one)

1. Curtain finish shall be made of 19 oz/sq.yd [644 g/sq.m] polyester reinforced vinyl and shall meet NFPA 701 and ULC CAN4 S-109 burning tests.
or
1. Curtain finish shall be made of 19 oz/sq.yd [644 g/sq.m] polyester reinforced vinyl on the lower part and of netting in the upper part and shall meet NFPA 701 and ULC CAN4 S-109 burning tests. The vertical sections of net in the upper part shall be joined by a 6" [150] strip of same vinyl.
or
1. Curtain finish shall be made full height netting. The size of the mesh shall be selected from manufacturer's standard.

E. Accessories/Options

1. The curtain shall stack along the side wall using a 90 degrees curve to access the stacking area.

■ OPERATION

- A.** Curtain shall be manually operated, side stacked.



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Moderco Inc.

115 de Lauzon,
Boucherville,
(Québec) J4B1E7
Phone: 1-800-363-3150
Fax: 1-800-231-4965

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