

PHARMAFILL™

DEITZ COMPANY, WALL, NJ, USA

CONVEYORS, single lane, raised belt, sanitary design



CV4.5 x 72" \$4200.00
CV4.5 x 120" \$5000.00
CV4.5 x 144" \$5400.00

- * *Stainless steel body with aluminum end assemblies for sprocket support*
- * *Modular design makes adding extensions easy*
- * *Bolt pattern repeats every 12" along side of conveyor body for attachments*
- * *Clamping bracket can be installed on the conveyor body to make attachments to.*
- * *Flush side design makes side transfers easy from either side and either end*
- * *Motor is mounted under the conveyor to conform to flush side design*
- * *115 Vac, variable speed gear motor drive*
- * *4.5" wide acetal tabletop chain belt*
- * *Belt is supported 1.5" above conveyor body to make cleaning under the belt easy*
- * *Rails and rail mounting hardware are an industry standard, readily available.*
- * *Standard rail configuration is dual rails (upper and lower) both sides*
- * *Modifications can be made to increase rail opening, rail height, or rail shape*

Pharmafill conveyors are light weight stainless steel fabrications that are well suited for use in the packaging industry.

Hardware and dimensions conform to SAE and inch standard. All components are easily obtained in the US market.

Support legs are adjustable over a wide range centering on 35" above the floor.

Attachments like bottle indexing air cylinders, bottle spacing wheels, corner turntables for right angle transfers, reject stations, and transfer plates are available. Normally, holes are not drilled in the conveyor body to make an attachment. Instead, use the threaded holes in the vertical plate of the clamping bracket, that can be easily attached to the body of the conveyor. Threaded holes in the side of the conveyor are also available to bolt on attachments.

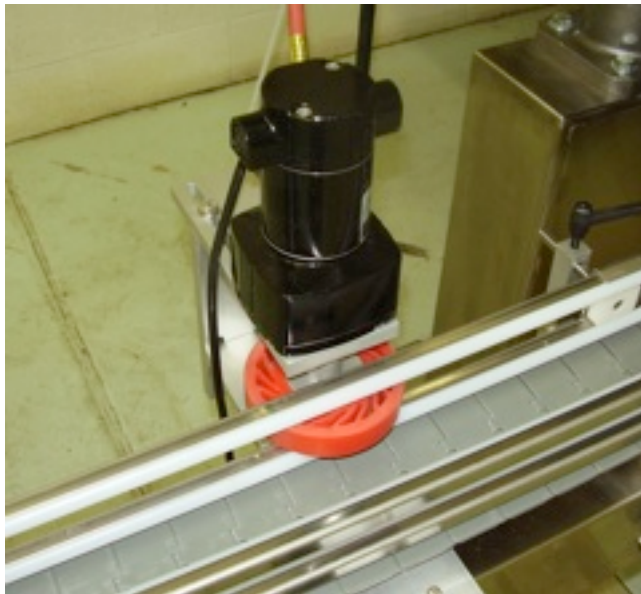
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Pharmafill CV4.5 Conveyor Information-2



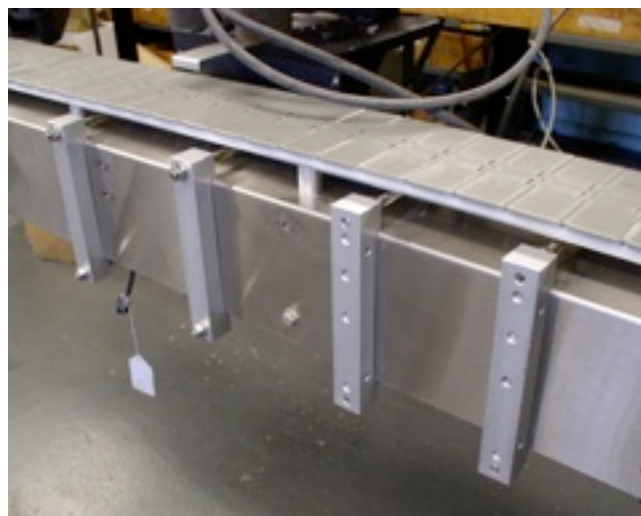
Rail Support Brackets and Rods:

The bracket that mounts to the side of the conveyor will fit a bolt pattern that repeats every 12". The vertical and horizontal rods provide a range of adjustment for the rail assembly. If wider rail spread is necessary, spacers can be provided to mount under the side brackets. A special dual rail gripping bracket holds an upper and lower rail in its grip. If a single rail is preferred, a single rail gripping bracket can be supplied at a lower price. Rail brackets are usually placed 24" apart.



Bottle Spacing Wheel:

This variable speed gear motor assembly clamps around the body of the CV4.5 conveyor. A narrow, crushable, urethane wheel or roller protrudes between the upper and lower guide rails. As bottles move up to the wheel, they are slowed down by the slowly moving wheel. They can pass at a rate that is operator adjusted to be slower than the conveyor speed. This will create a space between bottles that would otherwise be next to each other, as they leave the spacing wheel. Spaced bottles are necessary for labeling, capping and neck



Clamping Bracket:

Because the belt is raised above the body of the conveyor, threaded rods can be extended under the belt support framework. One set of clamp brackets consists of an upper and lower threaded rod, a front and a rear vertical plate. The plates are located front and rear around the conveyor body and the threaded rods pull the plates together. Tapped holes in the rear plate provide attachment points for devices that are used with the conveyor. A great advantage of the clamping bracket is you can relocate the position of an attachment along the conveyor by loosening and sliding the bracket right or left.

PHARMAFILL CV4.5vg CONVEYOR PRICES 8/2011

Pharmafill conveyors are stainless steel sheet metal, reinforced box fabrications. The 4.5" wide, tabletop chain belt is raised 1.50" above the conveyor body. Fasteners are threaded into weld nut fittings. Drive sprockets at each end are mounted in aluminum plate assemblies. We use a variable speed gear motor drive. Maximum belt speed is normally 70' per minute. The design is modular and length can easily be extended by adding bolt-on CVE extension sections. Conveyor rails are available in several configurations. ValueGuide type rails and rail supports may be used as well as a Pharmafill type design. You can use a single or dual rail arrangement. Rail support brackets can be located on a repeating bolt pattern. Conveyor end transfer plates and rail modifications for transfers to other conveyors are available. Clamping brackets that require no hole drilling can be installed around the conveyor body to make attachments easy and the location of the attachment adjustable at any time. All conveyors have a support leg at each end. Additional midline support legs are available with a single or dual pad. Prices for these conveyors begin with a base 6' conveyor and a leg at each end, with rails. Extensions to the base must add rails at additional cost.



1. CV4.5 x 72" base conveyor unit - \$4200.00
2. CVE4.5 conveyor extension, per ft - \$200.00
3. CVL midline support leg, single pad - \$225.00
4. CVL midline support leg, dual pad - \$250.00
5. Rail, steel channel, UHMW round edge - \$6.00ft
6. Rail, steel core, bendable, UHMW edge - \$8.00/ft
7. Rail splice - \$3.50
8. Rail support, VG253-12 mounting rod bracket w/knob- \$25.00
9. Rail support, VG629-12 90° angle clamp for .50" dia rod - \$10.00
10. Rail support, Pharmafill 10" x .50 dia rod, vertical - \$12.00
11. Rail support, Pharmafill 6" x .50 dia rod, tapped each end, horizontal - \$18.00
12. Rail support, Pharmafill dual rail gripping plate, wedge and hdwe. - \$20.00
13. Rail support, VG single rail gripping ass'y - \$5.00
14. Rail support, VG dual rail gripping ass'y - \$10.00
15. Rail support, one complete set for dual rail arrangement - \$85.00

Example- CV4.5 x 72" base - \$4200.00

comes with upper and lower rail on both sides and 6 rail support brackets, 3 front - 3 rear.

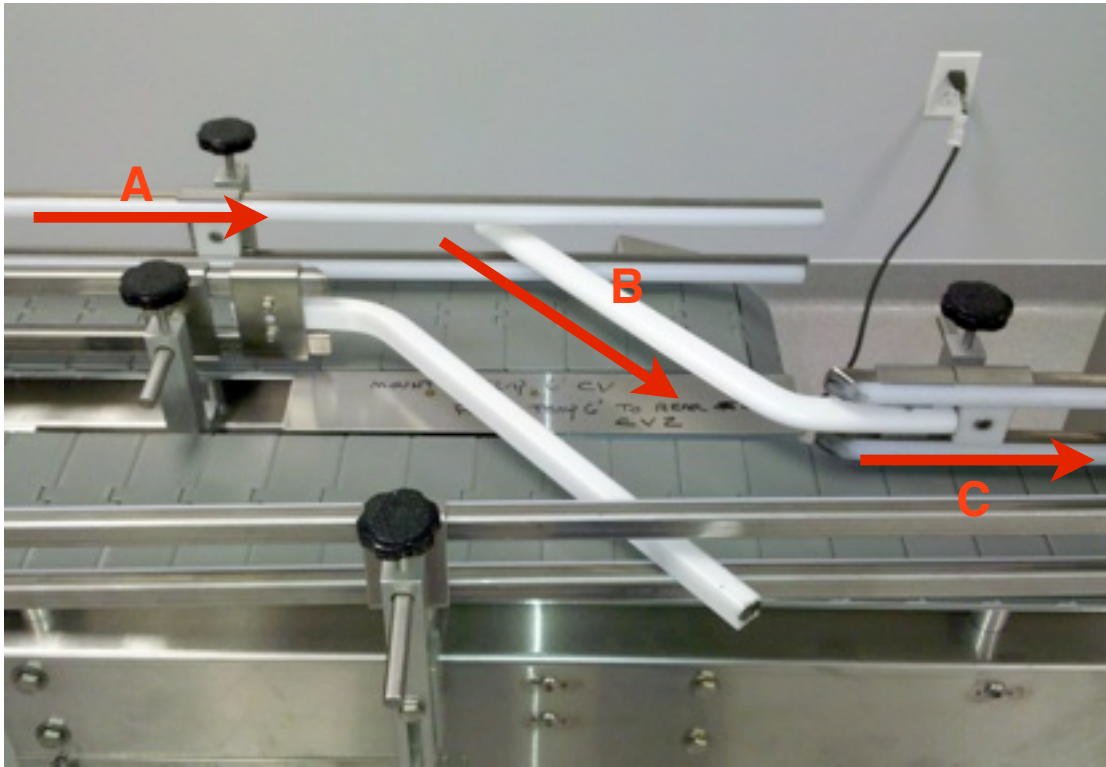
To extend this conveyor base to 10 .

Add 4' of conveyor extension @ \$200/ft = \$800.00

add 16' of rail (8' per side, upper and lower rail - \$96.00

Relocate rail supports for the longer conveyor. If two additional supports are required, total per support = \$85.00 Total \$5181.00

Pharmafill Conveyors- Bottle Transfer Plates and Rails

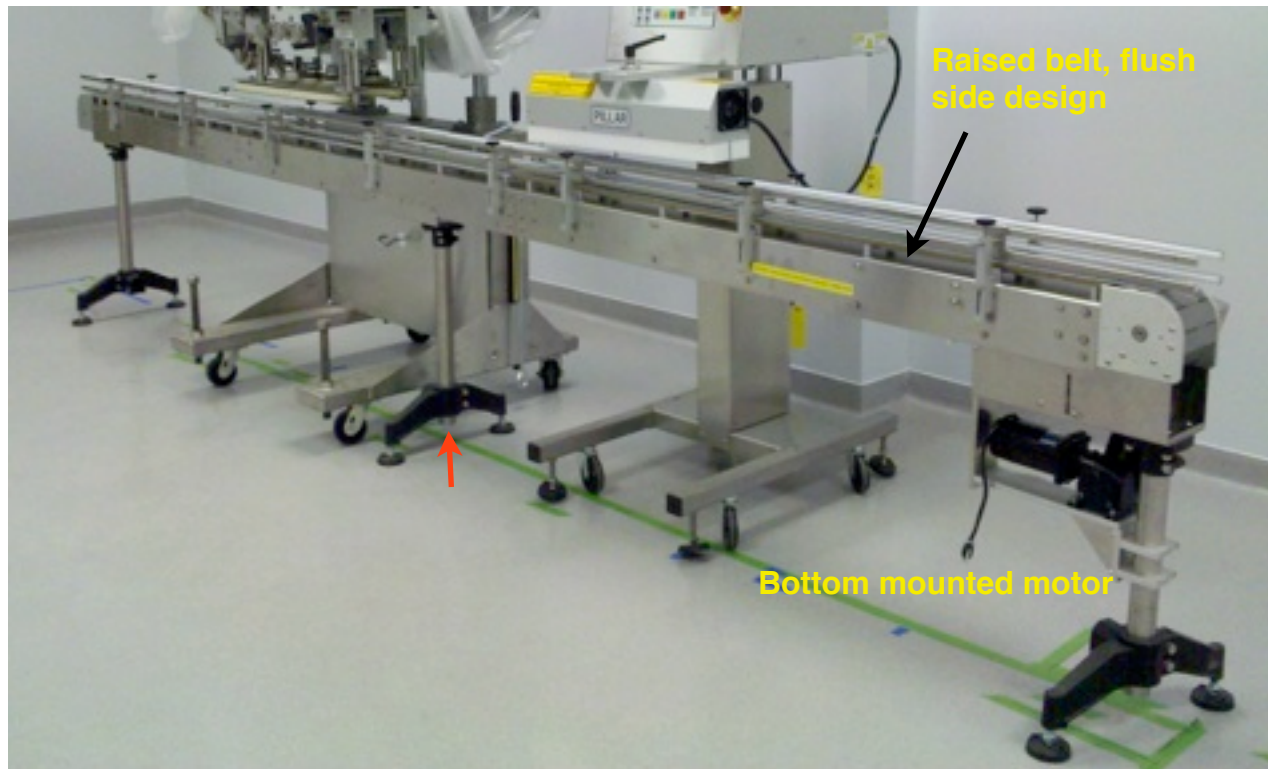


The best way to move small bottles from one conveyor to another is by a side or oblique transfer rather than an end transfer. This is because end transfer plates must be wider than side transfer plates and the rail offers little support to a bottle as it enters or leaves the end transfer plate.

Side transfer- as the bottle moves from A to B, the rails bent on a 45 degree angle will support the bottle. The angle causes the bottle to move in the direction of the next conveyor. When the bottle gets to the transfer plate it will stop. The following bottle will push it over the transfer plate until it gets under the influence of the next conveyor belt which carries it in the C direction. The edge of the transfer plate is slightly below the first conveyor belt and slightly above the next conveyor belt. An important characteristic of the side transfer is the guide rail under the letter B prevents the bottle from tipping and conveyor belt movement holds the bottle against rail B. The other parallel rail keeps bottles in a single file row. The transfer plate in this picture is about 2" wide. It could be as narrow as 1" when used as shown because the flush side conveyors have no obstructions that prevent the conveyors from being positioned very close together.

Pharmafill type rail brackets make adding a third rail between the upper and lower rail easy. The picture shows how these rails are positioned. A special bracket is used to clamp together all three rails. This bracket also allows the middle rail to be moved easily to change the space between the two bent rails. Note how the cut end of the bent rail extends through the upper and lower rail space without an attachment. This makes adjustments easier. Also note that the bent rail does not have the metal channel behind the rail. This is special bendable rail.

PHARMAFILL CV4 CONVEYORS



This picture shows a Pharmafill 15 conveyor with Pharmafill type rail support posts. The ValueGuide type rail mounts are more common. The rail is steel channel backed VG rail. Rail mounting bracket attachment hardware is repeated every 12". Rail brackets can be attached to the side of the conveyor without drilling holes. If a conflict arises with a bracket location it can be easily moved.

The conveyors are modular assemblies. The right end is the drive section. The variable speed gear motor drive requires 115 Vac. By selecting sprocket combinations, a wide range of belt speeds are possible. The motor is mounted low so it won't interfere with side transfers to another conveyor.

Support legs are supplied for a 35" +/- 2" belt height. By replacing the leg tube, any height can be obtained. Midline support legs (red arrow) may have one foot pad or two pads as shown in the picture. The top bracket of the midline leg can be attached in several different locations along the conveyor line.

Extensions can be added easily by removing the sprocket support assembly at the non-drive end of the conveyor and adding an extension section. Extension lengths are from 3 to 6 long.

Transfer plates, both end and side, and bent rail shapes are available.

