MODEL SBR
SMALL LOW-PROFILE
BRUSH STYLE BELT CLEANER

Conveyor Components Company
Division of Material Control, Inc.
Croswell, Michigan 48422 • U.S.A.
WWW.CONVEYORCOMPONENTS.COM
WHAT IT IS AND WHAT IT DOES
The Model SBR is a “small-sized” motorized brush style conveyor belt cleaner, based upon our larger, proven MODEL BR. For use in heavy-duty quarry and mining applications, where mounting space is limited, to reduce the carry-back of material. The Model SBR will work in wet or dry applications, as well as on a variety of organic materials and metal fines. The powered brush turns in the opposite direction of the belt in order to throw the dislodged material back into the discharge stream.

WHY IS IT NECESSARY?
The Model SBR is a good choice for use as a stand-alone belt cleaner, and makes an excellent secondary belt cleaner when used behind one of our bladed primary cleaners in more aggressive applications.

ALTERNATE DRIVE METHOD
The standard model SBR brush is driven with the supplied motor. Optionally, the brush can be driven by the conveyor head pulley when modified with a customer supplied sheave and belt drive. The ratio of pulleys should drive the brush at a 3:1 or 2:1 ratio for effective cleaning purposes. Alternate sheaves, bushings and drive belts can be purchased from any industrial supply company.

MODELS AVAILABLE

<table>
<thead>
<tr>
<th>BELT WIDTH</th>
<th>SHIPPING WEIGHT</th>
<th>0.040&quot; DIA. NYLON BRISTLES</th>
<th>0.040&quot; DIA. POLYPROPYLENE BRISTLES</th>
<th>0.010&quot; DIA. (OIL TEMPERED) WIRE BRISTLES</th>
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<tr>
<td>INCHES</td>
<td>LBS.</td>
<td>SBR040N6</td>
<td>SBR040P6</td>
<td>SBR010W6</td>
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<tr>
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<td>152</td>
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<td>SBR040P16</td>
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<td>SBR040P42</td>
<td>SBR010W42</td>
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VERSATILITY
The motor can be mounted on the right side or left side depending on space constraints. The motor may also be mounted beneath the H-Frame. The brush bearings may also be mounted on the outside of the side frames. The hanger bar and H-Frame have a series of mounting holes to fit different sized applications.

TECHNICAL SPECIFICATIONS
- The Model SBR includes the brush, framework, mounting, tensioning adjustments, and drive mechanism. The Model SBR drive and guard assembly is smaller than the (standard) Model BR to allow a fit into tight spaces.
- The bristle strip material is either nylon, polypropylene, or oil tempered wire. Other special materials available upon request.
- Nylon and polypropylene bristles are available in 0.040”, 0.028”, or 0.014” bristle diameters. Pricing varies. Oil tempered wire available in 0.010” bristle diameter.
- The unit is mounted on the conveyor by 4 mounting brackets, 2 for pivoting and 2 for tensioning.
- The standard motor is 230/460 VAC, 60 Hz, 3 phase, reversible, 1150 rpm, TEFC.
- Brush should be adjusted with a “feather-touch” against the belt to allow it to “flick” material into the discharge.
- The operating temperature range is -40°F to 180°F (-40°C to 82°C).
- Explosion proof motors are available upon request.
- Shaft and H-Frame are oversized by 28” to allow field customization for proper conveyor fit.
- Shaft diameter is 1-7/16”.
- Maximum allowed brush width is 42”. For wider conveyor belt widths, refer to our MODEL BR Brush Style Belt Cleaner.
Conveyor Components Company, established in 1965, is world renowned for quality engineered products at economical prices. Bulk material handling customers and processing industries have come to depend on Conveyor Components Company as a premier manufacturer of conveyor controls, motion controls, level controls, bin aerators, and conveyor belt cleaners.

To browse our entire line-up of high quality material handling products!

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