

# A Reference Book for Every Indian Factory for 2014 Industrial Products Finder

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Annual 2014

Vol. 42 No. 2B

Published on

20-12-2013

₹ 1200

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## CONVEYING SYSTEMS FOR STOCKYARD APPLICATIONS



**Bevcon Wayors** offers innovative Conveying Systems for Stockyard Applications in core industries like power, mining, mineral and cement industries in technical know-how with FMK – Poland, one of Europe's leading designs engineering company. The stockyard systems are developed in a circular or longitudinal layout incorporating feed conveyors, bucket-wheel reclaimers, stackers, combined stacker/reclaimers, full and semi-portal scrapper reclaimers. The stacker-reclaimer enables core industries to manage their bulk materials like coal, iron ore and limestone effectively and efficiently. For instance, the stacker-reclaimer can stack and reclaim bulk materials up to a height of 70 metres, much higher than any other available conventional conveying system thereby saving space and capital investment for the industries.

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## STEAM CLEANER



**Karcher** Cleaning Systems offers a Steam Cleaner, Model DE 4002. This is a universal steam cleaner for commercial applications. A 2-tank system (permits the boiler to be filled during operation), VAPOHydro, accessories compartment and an ergonomically designed carrying handle are only some of the various equipment features of

the DE 4002. Standard accessories: steam suction hose with handle; two steam tubes; floor tool; hand tool; round brush, black; upholstery tool with brush; container material – plastic; filler funnel for 2-tank system; and power nozzle. Technical data: voltage – 230 V; heating output – 2250 W; tank capacity – 2.2/2.4 ltr; length of cord access – 7.5 m; steam pressure – 3.2 bar; weight without access – 7.5 kg; dimensions (L x W x H) – 480 x 305 x 265 mm; and frequency – 50-60 Hz.

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## WASHERS



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## Innovative Screening Technology

*Bevcon Wayors, in technical collaboration with multiple foreign companies, has successfully brought new Innovative Flip Flow screening technology to the Indian market*

With increasing demand for screening requirement in various industrial applications in terms of dry and wet screening, Bevcon has introduced a new innovative screening technology which will solve a variety of problems where conventional screening has limitations with respect to performance, thereby enabling state-of-the-art Flip Flow Screening technology implementation that wasn't possible before. Bevcon Wayors, in collaboration with multiple foreign companies, has successfully brought "New Innovative Flip Flow Screening technology with Circular/Elliptical and Linear Motion" to the Indian market.

This is part of the company's range of Bulk Material Handling & Processing Solutions that it has been offering since two decades. Bevcon has successfully tied up with M/s FleximatPPM – Austria (FFS with circular/elliptical motion) for high efficiency and high capacity screening applications; Rollier – Spain (FFS with linear motion) for medium and small screening applications with high moisture content.

### Circular/Elliptical Motion Flip Flow Screens

Flip Flow screen is developed and manufactured by Bevcon Wayors –



Hyderabad, in technical know-how with M/s Fleximat – Austria. It is a highly efficient vibrating screen suitable for medium and very heavy screening applications and materials.

To gain a competitive edge in today's Indian market, Bevcon brought new innovative screening technology as per the customised application requirements. The Bevcon Flip Flow Screen is an effective alternative to conventional screening solutions in mineral processing industries with high moisture and inherent blinding characteristics and is ideally suited for efficient screening of moist, sticky, fibrous, wet bulk materials with a high percentage of fines or near size particles.

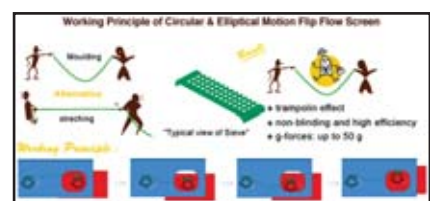
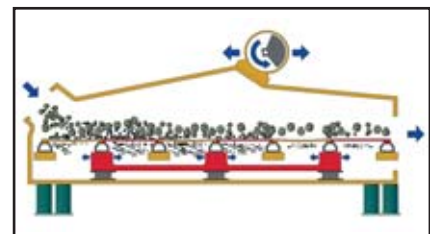
Bevcon designed the flip flow screens with patent design features which will enable less wear and tear, reduced maintenance, and increase screening efficiency.

The screen is highly efficient and is able to screen fine, medium and coarse materials. It operates with high efficiency on a continuous basis. Opening of screen mats vary between 0.5 mm to 50 mm with screening capacities up to 400 metric TPH.

### Linear Motion Flip Flow Screens

In technical know-how with M/s Rollier – Spain, the linear motion Flip Flow screens developed and manufactured by Bevcon Wayors are suitable for medium and low screening applications and materials.

The equipment is economically designed with structurally reinforced chassis, flexible polyurethane meshes that are mounted transversally in relation to the longitudinal axis of the screen and operated by unbalance motors and exciters. No nuts or bolts are required to



install the meshes. These are best suited for low end moist material applications in Indian minerals industries.

The power and range of the unbalance motors and exciters of M/s Friedrich, Germany, fitted to the body frame tighten and slacken the meshes, generating a wave (trampoline) movement, which mixes, moves and screens the most difficult materials to classify and clean efficiently.

This is an efficient screen for high moisture and inherent blinding characteristics and is ideally suited for efficient screening of moist, sticky, fibrous, wet bulk materials.

Bevcon has designed the flip flow screens with life lubricated and highly energy efficient unbalance motors to minimise maintenance, less acceleration force of screen mat reduce wear and improves life with increased screening efficiency. It is suitable for separation of 0.5 mm to 20 mm with screening capacities up to 100 metric TPH.

## Highlights of Bevcon Linear & Circular/Elliptical Flip Flow Screen

- Non-blinding screen mats
- Dynamic screen panels – screw less mounted
- Side panels connected with screen panels
- Dust and watertight
- Infinitely adjustable
- Quick release top cover
- Free oscillation screen by using the resonance effect
- Independent of material variations
- Well proven eccentric drive



- Simple design, and
- Easy maintenance.



## Application Industries

- **Power Sector** – Moist coal, pet coke, limestone, husk, lignite, wood chips, tree bark, biomass, briquettes and municipal solid wastes

- **Recycling Industry** – Scrap metal products, glass, plastics and e-scrap
- **Building and Mixed Materials** – Aggregate, concrete, asphalt and hard rock
- **Food Processing** – Seeds, compost, peat, organic materials, urea, etc
- **Cement Industry** – Limestone, clinker and laterite
- **Iron and Steel** – Iron ore, coal and fossil fuels, pet coke and slag, and
- **Sand and Gravel** – Crushed stone, quarry materials, etc.

## Innovation – a Continuous Process

The above products are results of continuous innovation efforts of Bevcon's in-house R&D Team. Bevcon strongly believes that innovation is the lifeline for the organisation. To this end, the company has formed an exclusive group called TDG. The core focus of the department is the development of new products, validation of products and cost-effective solutions for customer critical applications. The group consists of subject matter specialists from various domains who work collectively to get the ultimate results. The company also approached DISR for recognition of as R&D hub and is hopeful that it will be through by end of the FY 2013-14.

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