



SPECIFICATION BWR300 (Mobile)



BWR300- Bruce Washing System

Consisting of a 10Ton Hopper & Grid, Feed Conveyor, Logwasher, Double Deck Washing Screen, Trash Screen & Stacking Conveyor. The unique BWR300 mobile washing system increases the proportion of re-usable products that are produced, and is fully mobile allowing customers to process on site and manoeuvre easily to various locations.

Features & Benefits

- Fully Mounted Washing System - consisting of Washing Screen, Log Washer & Filter (Trash) Screen
- Mobile or Semi Mobile skid frame - can be mounted on back of 45' trailer for ease of transportation.
- Multifunctional- suitable for a multiple of applications including Recycled Aggregate and Materials handling as part of a modular washing system
- Compact Unique design - easily transportable from site to site with a minimum set up time
- Highly productive and efficient screens with high frequency Motors
- Complete with control panel for connection direct to generator or wired to full system control panel
- Easy to operate in confined areas (Minimal Footprint)
- Hardox Wearparts as standard- to ensure longer

Options

- Double or Triple Deck Washing Screen
- Support & Overband Magnet
- This plant can also be supplied with a Sand Plant, Lamella/Thickener System and Silt Recovery System for complete Turnkey Solution
- Plant can be adapted to suit or compliment an existing system

BWC/L Coarse Material / Logwasher Specification

Bruce Single or Twin Heavy Duty Logwashers and Coarse Washers are ideal for cleaning and scrubbing materials including aggregate, crushed stone, clay, iron ore and recycling materials



Technical Information

Single Logwasher-

Length 6000mm x Width 1100 x Height 1000 (15degrees
incline) Motors: 30kw
TPH: 80
Water Required: 2000LPM

Double Logwasher-

Length 6000mm x Width 2000 x Height 1000 (15degrees
incline) Motors: 60kw
TPH: 140
Water Required: 3000LPM

Features

- Top of the range components including: Gear Box, Motors, Bearings, Couplings & Hardox Wear paddles / flights
- Robust Build for heavy duty applications
- Long lasting machine life due to Hardox Wear parts & nozzle plates
- Screw and paddles made from Hardox as standard
- Adjustable water discharge gates
- Controlled input water flow using valve

Bearings

- Drive End: Heavy duty 4 hole flange bearing
- No Drive: Heavy duty plummer block

Shaft

- Single or Double rotating shaft is driven by separate Gear boxes and motor
- Seamlessly rolled and heat treated for dynamic efficiency
- One piece shaft configuration for extended shaft life
- Syuffing Box assembly (Triple lipped rubber seal)

Material Used- Hardox

- Paddle & Flights are made from Hardox 450 & Hardox 500
- User Friendly
- Elimination of brittle wear cast blades

Triple or Double Deck Washing Screen

BRUCE Vibrating Washing Screens are designed to have a high screening efficiency with the additional advantage of requiring a minimum of maintenance. Screens are driven by either a single or double motor drive depending on the application and the nature of the material to be screened.



Technical Information

Length 3000mm x Width 1500 (10ft x 5ft) Motors: 30kw

TPH: 50 -100

Motors: 2 x 8kw Visam Motors

Water Required: 1200LPM (24 nozzles 3 bar)

Features

- Robust build for tough applications
- High acceleration rate to ensure optimum screening
- Fabricated folded construction in either mild or stainless steel
- Low maintenance. Vibrating motors provide the driving force, eliminating the need for complicated shaft assembly and belt drives
- Heavy duty single motor base, using a fabricated and machined construction
- Heavy duty double motor base using a high tensile steel tube with machined motor bases. The tubular construction allows high resistance to forces applied from any direction. (Machined to ensure prolonged motor life.)
- Side protection liners
- Rubber or Hardox lined discharge chute
- 12 spray nozzles per deck
- Spray bar independent from screen
- High frequency screening can be achieved with apertures less than 1mm

Options

- Single, double or triple deck screens available
- Screens can be side or end tensioned
- Dust encapsulation
- Non standard screen sizes to suit special applications

Trash Screen



Technical Information

Length 2500 x Width 1250 (8ft x 4ft) Motors: 2 x 1.9kw

Features

- Screen aperture 0.55mm stainless steel
- Unrivalled dewatering performance
- Optional Hardox side protection liners
- Rubber or Hardox lined discharge chute

10 Ton Hopper & Grid



- Hopper sides manufactured from 6mm MILD STEEL
- Supported from 203 x 203 x 52UB
- 100 x 100 x 10 RSA bracing
- Grizzly bars 100mm aperture
- Manufactured from 70 x 10 flat bar with 50mm diameter round bar

Feed Conveyor

- To transfer material from Hopper to Scapling screen & Log washer
- 16mtr long x 1000mm wide belt
- Manufactured from 60 x 60 x6 Angle
- Feed boot (HARDOX lined)

Chassis & Jack Legs

- 4no Hydraulic Jack legs attached to chassis

Stacking Conveyor



Additional Information

- TPH: 50 -100tph using Single Logwasher / 80-150tph using Double Logwasher
- End Product: 20-40, 10-20, 3-10, Minus 5,
- Pipe Work supplied from manifold to washing screen and logwasher
- Pumps 6/4 18kw (can be supplied on request)

- **Applications**

- Recycled Aggregate
- Sand & Gravel
- Primary Aggregate
- Railway Ballast
- Foundry & Metals
- Secondary Aggregate
- Asphalt
- Reclaimed Aggregate

Options

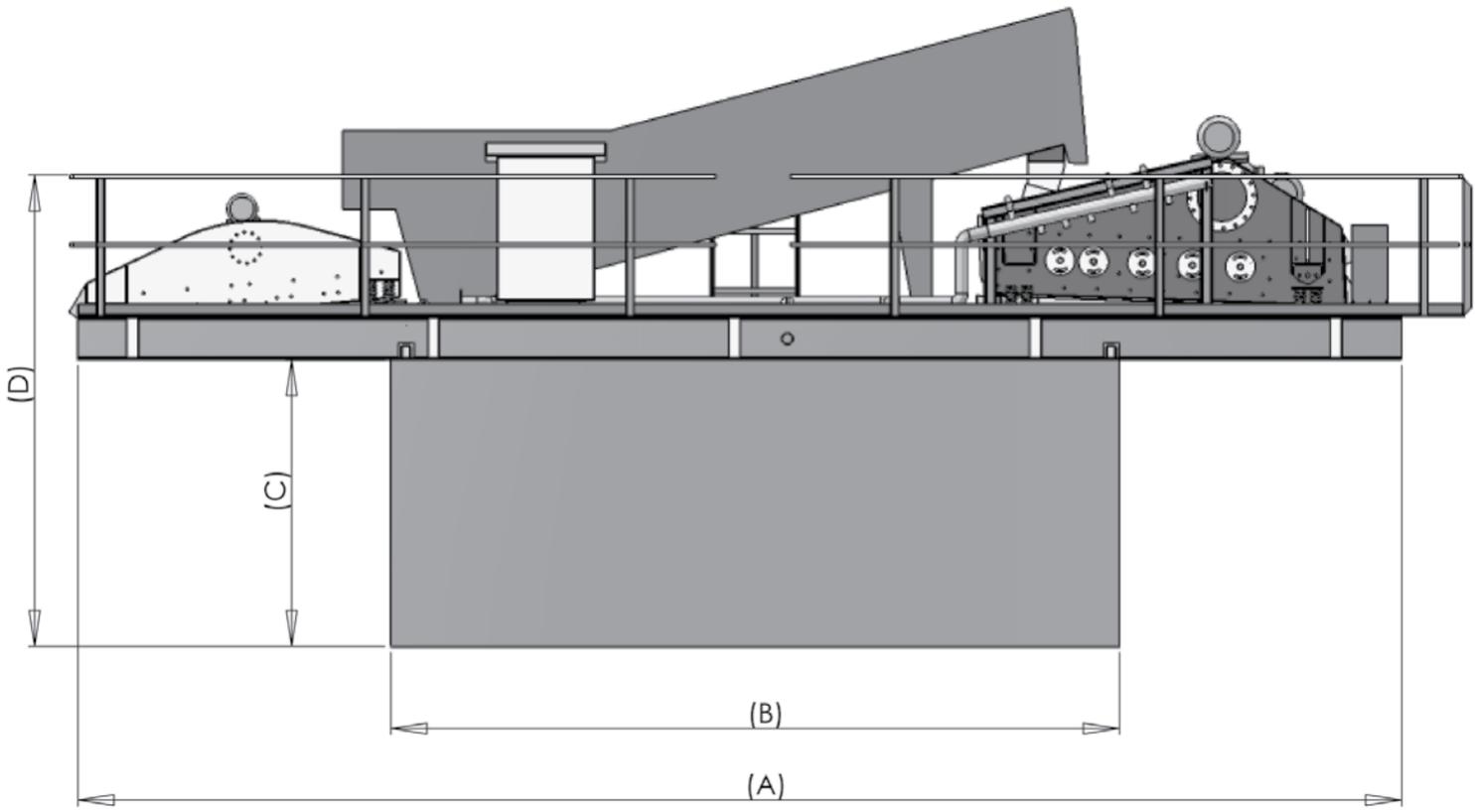
Filter- From Lamella to BWR300

- Manufactured from 6mm Mild steel
- To fit under Dewaterer

Support & Overband magnet

- Connected to feed Conveyor before Scalping screen & logwasher
- Power = 7.5





Dimensions

- A: Length: 11m
- B: Length of Container: 5897mm
- C: Height of Container: 2392mm
- D: Height to Handrail (Incl. Container): 5327mm
- Unit only 2935mm

- E: Width of Plant including ladder: 3600mm
- F: Width of Container: 2500mm
- G: Overall Height: 5340mm

Please note: The container is not included.
 The BWR300 can be mounted on a container, shutter walls or steel support structure.

