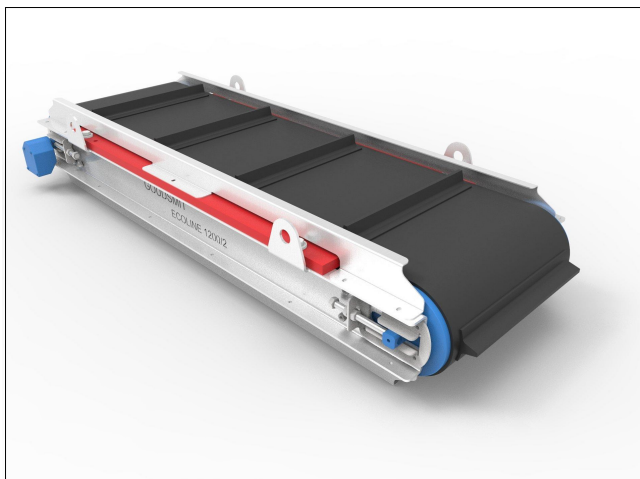




## Ferrite overband magnets

ROP-F1-C-120-M-D-L-B-B-B-NA

SKU: SAPB120520

## Product Features

|                                                 |                                                                                       |
|-------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Description</b>                              | Ferrite permanent overband magnetic separator                                         |
| <b>SKU</b>                                      | SAPB120520                                                                            |
| <b>Product key</b>                              | ROP-F1-C-120-M-D-L-B-B-B-NA                                                           |
| <b>Type</b>                                     | Ecoline                                                                               |
| <b>Suitable for</b>                             | Cross mounting                                                                        |
| <b>Min. Fe-particle size that can be caught</b> | 1 mm                                                                                  |
| <b>Advised max. installation height</b>         | 230 mm                                                                                |
| <b>Cleaning/Fe-particles disposal</b>           | Fully automatic with continuous production process                                    |
| <b>Suitable for belt width</b>                  | 1200 mm                                                                               |
| <b>Interface/connection dim's</b>               | Lifting eye Ø35 mm (4x)                                                               |
| <b>Material</b>                                 | Stainless steel (covering),Stainless steel (framework),Steel (magnet enclosure)       |
| <b>Surface treatment/finishing</b>              | Painted (rollers/terminal box/magnet),Grit blasted (frame)                            |
| <b>Colour</b>                                   | Blue (Capri blue): RAL5019 (rollers/terminal box),Red (Traffic red): RAL3020 (magnet) |
| <b>Max. operating / product temperature</b>     | 100 °C                                                                                |
| <b>Min./max. ambient temperature</b>            | -20 to 40 °C                                                                          |
| <b>Conveying length</b>                         | 1600 mm                                                                               |
| <b>Conveyor (belt) speed</b>                    | 1,7 m/s                                                                               |
| <b>Belt type</b>                                | Rubber, with cleats (EP400/3 4+2mm)                                                   |
| <b>Belt width</b>                               | 500 mm                                                                                |

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<https://www.goudsmitmagnets.com/solutions/magnetic-recycling-sorting/overband-magnetic-separators/ferrite.html?sku=SAPB120520>

|                                                  |                                                                                           |
|--------------------------------------------------|-------------------------------------------------------------------------------------------|
| <b>Magnetic system</b>                           | Permanent ferrite magnet                                                                  |
| <b>Magnet dimensions</b>                         | 1226x470x208 mm                                                                           |
| <b>Magnet quality</b>                            | Anisotropic ferrite GSFD-33, Br 4100 gauss (at 20 °C), Tmax. 225 °C                       |
| <b>Motor power supply</b>                        | 230/400 V AC; 50 Hz; 1.5 kW                                                               |
| <b>Motor drive</b>                               | Electro drum motor Ø217x595 mm, Van der Graaf TM215B40 420<br>(Suitable for ATEX zone 22) |
| <b>Motor mounting position</b>                   | Terminal box position up                                                                  |
| <b>Motor rotational speed</b>                    | 150 rpm                                                                                   |
| <b>Motor electrical thermal insulation class</b> | ISO-B (130 °C)                                                                            |
| <b>Motor dust/water protection class</b>         | IP66                                                                                      |
| <b>Duty cycle</b>                                | 100%, 24 hours/day                                                                        |
| <b>Length</b>                                    | 1913 mm                                                                                   |
| <b>Width</b>                                     | 735 mm                                                                                    |
| <b>Height</b>                                    | 343 mm                                                                                    |
| <b>Weight</b>                                    | 795 kg                                                                                    |

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