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**BHS RUBBER BELT FILTER (BFR 042-030)  
DATA SHEET**

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**A) FILTER TYPE**

Filter type: BFR 042 - 030  
Filter area: 0.9 m<sup>2</sup>  
Rubber belt material: SBR - HT

**B) TECHNICAL DATA****I. Filter**

Total width with filtrate pipe and valves: approx. 1.7 m  
Total length: approx. 5.3 m  
Total height: approx. 1.6 m  
Weight: approx. 1.5 t

Effective belt width: 0.3 m  
Effective belt length: 3.0 m  
Belt Speed: 0.3 – 6.0 m/min  
Filtrate zones: 12 zones at 0.2 m

Zone arrangement selected (variable): to be defined

**II. Media**

Cloth tracking air: < 1 m<sup>3</sup>/h at min. 4 bar g  
Cloth wash liquid: approx. 0.8 m<sup>3</sup>/h at 3 bar g  
Filter drive power: approx. 1.1 KW; 50Hz; 400V  
Wear belts seal water: approx. 0.3 m<sup>3</sup>/h at min. 3 bar g  
Vacuum requirements: 500 m<sup>3</sup>/h at 300 mbar absolute

**III. Controls**

The design of the control system mounted to the frame on the skid

#### IV. Vacuum-Filtrate Package

The following components are ready assembled on a common base frame with internal piping & hosing. MOC of pipes: PP, frame: stainless steel,

##### 1) Separators (Three)

design: 150 mbar abs, 60°C  
dimensions: 400 mm X 900 mm  
material: Conductive Polypropylene

##### 2) Vacuum pump

type: Gardner Denver liquid ring pump  
size: 500 m<sup>3</sup>/hr at 400 mbarg  
material: cast iron  
seal: single mechanical

Completely assembled as an aggregate with pressure side separator and internal operation liquid piping in stainless steel.

Motor: 50 Hz 400/690 V, 28,5/16,5 A;  
Operation at 60 Hz 460 V possible  
Protection: Class 1, Div 1, Group D  
Power: 18 HP

##### 3) Filtrate pumps

number: 3  
type: air driven diaphragm pump  
made: Almatec  
size: E 25 FEE-F  
material: PE/EPDM  
Design: with individual air pressure regulators