BHS BELT FILTER (BF 025-024) DATA SHEET

A) FILTER TYPE

Filter type: BF 025-024  
Filter area: 0.6 m²  
Material: Stainless Steel or Polypropylene

B) TECHNICAL DATA

I. Filter

Total width with filtrate pipe and valves: approx. 1.5 m  
Total length: approx. 4.0 m  
Total height: approx. 1.5 m  
Weight: approx. 1.0 t

Effective belt width: 0.25 m  
Effective belt length: 2.4 m  
Belt forward stroke: 0.2 m  
Filtrate zones: 12 zones at 0.2 m

Zone arrangement selected (variable): to be defined

II. Media

Compressed air: 6 barg (90 psig), Instrument Air free of water  
Filter drive: 5-20 Nm³/h  
Blow-up of pressing bag: 2-10 Nm³/h  
Blowout during pressing: 5-50 Nm³/h

Cloth rinsing liquid: 100 -200 l/h at 3 barg

Vacuum requirements: 300 m³/h at 300 mbar absolute
III. Controls

The design of the control system is fully pneumatic.

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: 450 mm X 1000 mm
   - material: polypropylene

2) Vacuum pump
   - type: Nash liquid ring pump
   - size: 300 m³/hr at 300 mbarg
   - material: stainless steel
   - seal: single mechanical

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

   Motor: NEMA design, 460 V/60 Hz/ 3 Phase, FC
   Protection: Class 1, Div 1, Group D
   Power: 10 HP

3) Filtrate pumps
   - number: 3
   - type: air driven diaphragm pump
   - made: Almatec
   - size: A 20 EEE
   - material: PE/EPDM
   - Design: with individual air pressure regulators