
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 m ³ /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