
**BHS EXPLOSION PROOF BELT FILTER (BF025-020B)
DATA SHEET**

A) FILTER TYPE

Filter type: BF025-020
Filter area: 0.5 m²
Material: Stainless Steel or Conductive Polypropylene

B) TECHNICAL DATA**I. Filter**

Total width with filtrate pipe and valves: approx. 1.2m
Total length: approx. 3.5m
Total height: approx. 1.5m
Weight: approx. 2.0 t

Effective belt width: 0.25 m
Effective belt length: 2.0 m
Belt forward stroke: 0.2 m
Filtrate zones: 10 zones at 0.2 m

Zone arrangement selected (variable): to be defined
CIP Nozzles : 4 (Optional)
Housing Operating Pressure: ± 25mbar

II. Media

Electric: 1.1 kW
Compressed air: 5 Nm³/h, 6 barg (90 psig)

Cloth rinsing liquid: 250 l/h at 3 barg

Drive Motor: 220-242 V/380-420V; 50Hz/60Hz, 3 phase

Vacuum requirements: 250 m³/h at 300 mbar absolute



III. Controls

The design of the control system is fully pneumatic.

IV. Vacuum-Filtration Package

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

1) Separators (Three)

design:	150 mbar abs, 60°C
dimensions:	400 mm X 800 mm
material:	Stainless Steel or Conductive Polypropylene

2) Vacuum pump

type:	Nash liquid ring pump
size:	30 m ³ /hr at 400 mbarg
material:	stainless steel
seal:	single mechanical
seal water:	Recirculation system with heat exchanger
Motor:	NEMA design, 380-420 V/50 Hz/ 3 Phase, FC
Protection:	Class 1, Div 1, Group D
Power:	9 HP

3) Filtrate pumps

number:	3
type:	air driven diaphragm pump
made:	Almatec
size:	Chemichor AD 20
material:	SS/EPDM