
**BHS LABORATORY BELT FILTER SKID (BF 010-010)
DATA SHEET**

A) FILTER TYPE

Filter type: LBF 010-010
Filter area: 0.1 m²
Material: Polypropylene

B) TECHNICAL DATA**I. Filter**

Total width with filtrate pipe and valves: approx. 30 inches
Total length: approx. 76 inches
Total height: approx. 68 inches
Weight: approx. 0.3 t

Effective belt width: 0.1 m
Effective belt length: 1.0 m
Belt forward stroke: 0.1 m
Filtrate zones: 10 zones at 0.1 m

Zone arrangement selected (variable): to be defined

II. Media

Compressed air: 6 barg (90 psig), Instrument Air free of water
Filter drive: 3 Nm³/h
Blowout during pressing: 5 Nm³/h

Cloth rinsing liquid: 20 l/h at 2 barg

Vacuum requirements: 300 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: PP, frame: stainless steel,

1) Separators (Three)

design:	150 mbar abs, 60°C
dimensions:	450 mm X 1000 mm
material:	PVC

2) Vacuum pump

type:	Nash liquid ring pump
size:	30 m ³ /hr at 400 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, 230-460 V/60 Hz/ 3 Phase, FC
Protection:	Class 1, Div 1, Group D
Power:	1.5 HP

3) Filtrate pumps

number:	3
type:	air driven diaphragm pump
made:	Almatec
size:	E 08 TTT
material:	PTFE/EPDM