MIYAY PROSES

PROSES EKIPMANI TEKNIK DOSYA

SOLID-LIQUID SEPARATION SYSTEMS

Vacuum Belt Filter

High-Capacity Continuous Solid-Liquid Separation Systems. MIYAY Vacuum Belt Filter Systems are designed for high-capacity solid-



EQUIPMENT
Vacuum Belt Filter

CATEGORY
Solid-Liquid Separation

MODEL LINE
13 options

OVERVIEW

Vacuum Belt Filter - Process-focused selection

Every filtration process is different. MİYAY designs and commissions the vacuum belt filter solution best suited to your process through laboratory studies, pilot tests and detailed engineering services.

TECHNICAL DATA

Project-specific technical summary

Technical parameter	Value	Project note
Equipment Type	Horizontal Vacuum Belt Filter (HVBF)	Proje verilerine gore netlestirilir
Filter Area	0,5 - 120 m^2	Proje verilerine gore netlestirilir
Working Principle	Continuous Vacuum Filtration	Proje verilerine gore netlestirilir
Filtration System	Horizontal vacuum belt filter	Proje verilerine gore netlestirilir
Cake Thickness	5 - 50mm	Proje verilerine gore netlestirilir
Vacuum Level	300 - 800 mbar	Proje verilerine gore netlestirilir
Washing Stages	1 - 5 StagesH_2S Removal up to	Proje verilerine gore netlestirilir
Filtrate Collection	Single or multi-stage	Proje verilerine gore netlestirilir

Technical parameter	Value	Project note
Cake Washing System	Co-current or counter-current	Proje verilerine gore netlestirilir
Cloth Cleaning System	Automatic high-pressure washing	Proje verilerine gore netlestirilir
Belt Speed Control	Variable frequency drive (VFD)	Proje verilerine gore netlestirilir
Automation	PLC / SCADA / DCS Compatible	Proje verilerine gore netlestirilir
Filter Cloth Options	PP, PET, PVDF, PTFE	Proje verilerine gore netlestirilir
Belt Materials	EPDM, SBR, CR	Proje verilerine gore netlestirilir
Body Materials	Carbon Steel, AISI 304L, AISI 316L	Proje verilerine gore netlestirilir
Design Standard	CE Compatible	Proje verilerine gore netlestirilir
Application Fields	Mining, chemicals, fertilizers, FGD, environmental, and food industries	Proje verilerine gore netlestirilir

PRODUCT MODELS

Model and size selection table

Model Code	Filter Area (m²)	Active Filter Width (mm)	Active Filter Length (m)	Installed Power* (kW)
MPS-HVBF-0.5	0.5	300	1.7	3 - 7.5
MPS-HVBF-2	2	700	2.9	5 - 7.5
MPS-HVBF-5	5	1.600	3.1	7.5
MPS-HVBF-10	10	2.200	4.5	11 - 15
MPS-HVBF-15	15	2.700	5.6	15
MPS-HVBF-20	20	3.200	6.2	15
MPS-HVBF-25	25	3.200	7.8	18.5
MPS-HVBF-35	35	4.200	8.3	22
MPS-HVBF-50	50	2.700	18.5	22 - 30
MPS-HVBF-60	60	3.200	18.8	22 - 30
MPS-HVBF-80	80	3.200	25.0	30 - 37
MPS-HVBF-100	100	4.200	23.8	37 - 45
MPS-HVBF-120	120	4.200	28.6	45 - 55

GALLERY

Equipment details and site photos



Image 1



Image 2



Image 3



Image 4

Vacuum Belt Filter — Request a quote

Share your capacity, material, and process requirements so our engineering team can assess the right configuration.

REQUEST A QUOTE