

Filter Press Model: EHC-800/16 mixed membrane-recessed pack for the Hot Purification Cake Treatment

New condition. 1-year warranty from manufacturer.

Manufacturer:	TEFSA
Model:	EHC-800/16
Year of delivery:	2008
Condition:	New
Serial N°	28410/1 Q27
Leasing:	Yes

Description:

One complete automatic TEFSA Filter Presses, sidebar plate transport system type EHC-800/16 equipped with 15 mixed pack type membrane plus standard recessed expandable to total 25. Closed execution with 40 mm cake thickness.

This filter is equipped with complete manifold, automatic drip trays system and membrane squeezing system.

Technical data:

FILTER PACK

Plate size	800 x 800 mm
Plate pack execution	mixed pack type membrane plus standard recessed
Number of chambers	14
Number of filter plates	15 (8 ch. + 7 m)
Expandable up to (total plates)	25
Recessed plate thickness (including filter cloth)	71,5 mm
Membrane plate thickness (including filter cloth)	73,5 mm
Cake thickness	40 mm
Filtration area per chamber	1,03 m ²
Filter press filtration area	14,42 m ²
Expanded filtration area	24,72 m ²
Cake volume per chamber	17,36 l
Filter press cake volume	243,04 l
Expanded cake volume	416,64 l
Plate material	polypropylene PP-grey
Plate execution	closed
Filter pack length	1.086,5 mm
Expanded filter pack length	1.811,5 mm

FRAME

Model	EHC-800/16
Construction	welded
Construction material	carbon steel
Execution	closed
Filtrate outlet	4 x DN-50
Suspension inlet (slurry feed)	DN-80
N° of supporting bars	2
Situation	side
Sidebar diameter	80 mm

Supporting bars material	F-112
Maximum service pressure	16 bar

Anti-corrosive protection:

Outer and humid parts painting process	Sand-blasted gr.2½, 1 layer of 2 components phosphochromatic coat and 2 layers of epoxy painting blue type RAL 5015. Coating thickness in dry conditions in between 110÷120µ.
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ELECTROHYDRAULIC CLOSING AND OPENING DEVICE

Cylinder type	double-acting
Ø piston/rod	200/140 mm
Piston stroke	1.400 mm
Rod material	F-114 hard chromium plated
Piston material	steel
Cylinder material	ST-52.3
Inner finish	rectified & lapped
Maximum closing pressure	360 bar

ELECTROHYDRAULIC GROUP

Operation	automatic
Distributor (opening/closing)	electromagnetic
Security valves	incorporated
Low pressure pump	gearing type
Volume/pressure (max)	21 l/min. a 30 bar
High pressure pump	axial piston type
Volume/pressure (max)	6,5 l/min. a 450 bar
Pumps assembly	on common shaft
Assembly position	vertical submerged
Electric motor	included
Installed power	4 kW
Rpm	1.450
Motor voltage	220/380 V, 50 Hz
Operation voltage	220V/380 V, 50 Hz – 24 DC
Protection	IP-55
Oil tank capacity	110 l
Number of pressure switches	1

FILTER CLOTHS

Execution	double
Size	800 x 800 mm
Nº of double cloths	15
Fixing on filter plate	brass eyelets
Fixing cloth material	polypropylene
Type of thread	mono/multifilament
Treatment	heat set, calendered and signed