

# Filter Press Model: PSEH-1000/16 for the Polishing Stage

## 2 -piece set. New condition. 1-year warranty from manufacturer.

Manufacturer:	TEFSA
Model:	PSEH-1000/16
Year of delivery:	2008
Condition:	New
Serial N <sup>o</sup> :	28198/3 Q55 28416/1 Q55
Leasing:	Yes

### Description:

Two (2) complete automatic TEFSA Filter Presses, overhead plate transport system type PSEH-1000/16 equipped with 40 PP filter plates in standard-pack execution expandable to total 50 Closed execution with 40 mm cake thickness.

The filters including automatic filter cloth washing system and high pressure washing pump.

### Technical data:

#### FILTER PACK

Plate size	1.000 x 1.000 mm
Number of chambers	39
Number of filter plates	40
Expandable up to	50
Plate thickness (incl. filter cloth)	73,5 mm
Cake thickness	40 mm
Filtration area per plate	1,34 m <sup>2</sup>
Total filtration area	52,26 m <sup>2</sup>
Expanded filtration area	65,66 m <sup>2</sup>
Cake volume per plate	28,4 l
Total filter volume	1.107,6 l
Expanded cake volume	1.391,6 l
Plate material	PP
Plate execution	closed
Filter pack length	2.940 mm
Expanded filter pack length	3.675 mm

#### FRAME

Model	PSEH overhead type
Construction	welded
Construction material	ST-37.2
Upper beam	2 IPB-500
Execution	closed
Filtrate outlet	4 x DN-50
Suspension inlet	DN-100
Cake washing/blowing	option
Piping material	ST-37.2
Number of lower tension rods	2
Ø of lower tension rods	100 mm
Lower tension rods 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.

**ELECTROHYDRAULIC OPENING/CLOSING DEVICE**

Design and execution	TEFSA
Operation	automatic
Distributor (opening/closing)	electromagnetic
Security valves	incorporated
Low pressure pump	gearing type
Volume/pressure (max)	49 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	5,5 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
Connections to piston	fixed hydraulic pipe
Racors	hydraulic type
Assembly	on movable bench welded to the hydraulic frame
Pressure control max/min.	pressure switch
Type	digital
Pressure indication	0-600 bar
Assembly	on cylinder

**SUSPENDED FILTER PLATES AUTOMATIC TRANSPORT SYSTEM**

Operation	see technical description
Situation	in upper beam
Plate suspension	in transport carriage
Traction	cable system
Carriage transport	by haul carriage
Carriage haul	single point
Guiding wheels per carriage	2
Wheels support	needle bearings
Driving	motorreductor
Installed power	0,55 kW
Service tension	220/380 V
Operation tension	220 V
Protection	IP-55
Security system	sliding clutch

**FILTER CLOTHS**

Execution	double
Size	1.000 x 1.000 mm
Nº of double cloths	40
Fixing on filter plate	brass eyelets
Fixing cloth material	polypropylene

Type of thread  
Treatment

mono/multifilament  
heat set, calendered and signed