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DEWATERING
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TECHNICAL DATASHEET

Roxia Tower Press™ TP 16

Roxia TP 16 Filter Offering

Filter type		Roxia TP 16									
Fitration area (m^2):	45 mm chambers	16	19	22	25	28	32	35	38	41	44
	60 mm chambers	16	19	22	25	28	32	35	38	-	-
Frame size ($m^{2)}$		19		25		32		38		44	
Length (m)		4.3 (with service platform ladders 5.1)									
Width (m)		3.8									
Height (m)	45 mm chambers	4.2	4.2	4.7	4.8	5.4	5.6	6.2	6.3	6.9	7.0
	60 mm chambers	4.6	4.6	5.3	5.4	6.1	6.3	6.9	7.2	-	-
Weight (t)	45 mm chambers	16	17	18	19	20	21	22	23	24	25
	60 mm chambers	17	18	19	20	21	22	23	24	-	-

Features & Benefits

- Production capacity: up to 20 t/h
- Outstanding filtration performance
- Lowest cake moisture
- Operating pressure: up to 1,6 MPa
- Fully automatic filter with forced cake discharge

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Typical Application Areas

Metal concentrators	Metal refineries	Chemical industry
Battery metails	Leach residues	Titanium dioxide
Base metals: Cu, Ni, Zn, Pb	Battery metals	Calcium carbonate
Precious metals: Pt, Au, Ag		Starch
		Industrial minerals
		Specialty chemicals
		Polymers

Typical Performance With Concentrate Slurries

Material	Cycle time (min)	Capacity (kgDS/m²h)	Production with TP 16 45 m² (t/h)	Cake moisture (w/w%)
Cu	10 – 12	410	15	8
Ni	10 – 12	440	17	7
Pb	10 – 13	450	17	7
Starch	7 – 12	250	11	35
Zn	10 – 13	400	15	8

NOTE! Slurry content and particle size distribution influences on performance. Testing is recommended in each case.

Type Marking, e.g. TP 16 28/32 45F-1

Filter type	Plate size	Filtration area	/	Max Filtration area	Filter plate type	-	Material code
TP = Tower Press	16 = 1,6 m²	e.g. 28 = 28 m²	/	e.g. 32 = 32 m²	45F = 45 mm chamber height & flat diaphragm 60F = 60 mm chamber height & flat diaphragm		1 = AISI304L (EN 1.4307) 2 = AISI316L (EN 1.4404) 3 = AISI904 (EN 1.4539) 5 = S2205 (EN 1.4462) X = Other, specified in tech. description

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