

TECHNICAL DATASHEET

Roxia Tower Press™ TP 16

Roxia TP 16 Filter Offering

Filter type		Roxia TP 16									
Filtration 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		1		2		3		4		5	
Length (m)		4.3 (with service platform 5.1)									
Width (m)		3.8									
Height (m)	45 mm chambers	3.9	4.1	4.6	4.8	5.3	5.5	6.0	6.2	6.8*	7*
	60 mm chambers	-		4.3	4.5	5.2	5.4	6.0	6.2	6.9*	7.1*
Weight (t)	45 mm chambers	15	16	17	18	19	20	21	22	23.5*	24.5*
	60 mm chambers	-		15.5	16.5	17.5	18.5	20	21	22.5*	23.5*

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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 metals	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/m ² h)	Production with TP 16 45 m ² (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 m ²	e.g. 28 = 28 m ²	/	e.g. 32 = 32 m ²	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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