

TECHNICAL DATASHEET

Roxia Tower Press™ TP 60

Roxia TP 60 Filter Offering

Filter type		Roxia TP 60									
Filtration area	45 mm chambers (m²)	60	72	84	96	108	120	132	144	156	168
	60 mm chambers (m²)	60	72	84	96	108	120	132	144	-	-
Frame size (m²)		72		96		120		144		168	
Filter volume	45 mm chambers (m³)	2,7	3,24	3,78	4,32	4,86	5,4	5,94	6,48	7,02	7,56
	60 mm chambers (m³)	3,6	4,32	5,04	5,76	6,48	7,2	7,92	8,64	-	-
Filter chambers		10	12	14	16	18	20	22	24	26	28
Length (m)		7.2									
Width (m)		6.1									
Height	45 mm chambers (m)	5.5	5.5	5.8	5.8	6.4	6.6	6.9	7.0	7.6	7.8
	60 mm chambers (m)	5.5	5.5	6.3	6.3	7.0	7.2	7.9	8.1	-	-
Weight	45 mm chambers (t)	61	63	68	72	77	80	84	88	91	94
	60 mm chambers (t)	62	66	70	73	77	84	88	91	-	-



Features & Benefits

- ✓ Production capacity: up to 85 t/h
- ✓ Operating pressure: up to 1,6 MPa
- ✓ Automation: Siemens Simatic S7-1500 PLC and 15" HMI touch panel*
- ✓ Fully automatic cake discharge
- ✓ Reliable operation

*Other options are available

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Typical Application Areas

Metal concentrators	Metal refineries	Chemical industry
Fine ferrous	Leach residues	Titanium dioxide
Base metals	Battery metals	Calcium carbonate
Precious metals		Starch
Tailings		Industrial minerals

Typical Performance With Concentrate Slurries

Material	Cycle time (min)	Capacity (kgDS/m ² h)	Production with TP 60 144 m ² (t/h)	Cake moisture (w/w%)
Fe	9 - 10	600	75 - 85	8.5
Cu	10 - 12	410	50 - 60	8
Ni	10 - 12	440	54 - 64	7
Zn	10 - 13	400	30 - 60	9 - 11
Tailings	10 - 15	150 - 250	23 - 33	13 - 18

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

Type Marking, e.g. TP 60 108/120 60F-1

Filter type	Plate size	Filtration area	/	Frame size	Filter plate type	-	Material code
TP = Tower Press	60 = 6 m ²	60 = 60 m ²	/	72 = 72 m ²	45F = 45 mm chamber height & flat diaphragm		1 = EN 1.4307 (AISI304L)
		72 = 72 m ²		96 = 96 m ²			2 = EN 1.4404 (AISI316L)
		84 = 84 m ²		120 = 120 m ²	60F = 60 mm chamber height & flat diaphragm		4 = EN 1.4539 (AISI904L)
		96 = 96 m ²		144 = 144 m ²			5 = EN 1.4462 (S2205)
		108 = 108 m ²					

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