

CONTINUOUS FLOW DRYERS

STANDARD EQUIPMENT

- ① Roof, equipped with access ladders and safety rails.
- ② Buffer section with level sensors.
- ③ Drying column with triangular hot and cold air channels.
- ④ Cooling sections, adjustable by valves.
- ⑤ Burner chamber equipped with air intake pockets, dust sieve and access door.
- ⑥ Hot air mixing duct.
- ⑦ Hot air distribution chamber in the drying zone.
- ⑧ Modulating gas or diesel burner.
- ⑨ Exhaust air chamber.
- ⑩ Exhaust fans (radial) with adjustable air flow.
- ⑪ Discharge section with electric drive.
- ⑫ Platforms, hatches and ladders for easy access to service areas.

■ Emergency discharge hatches

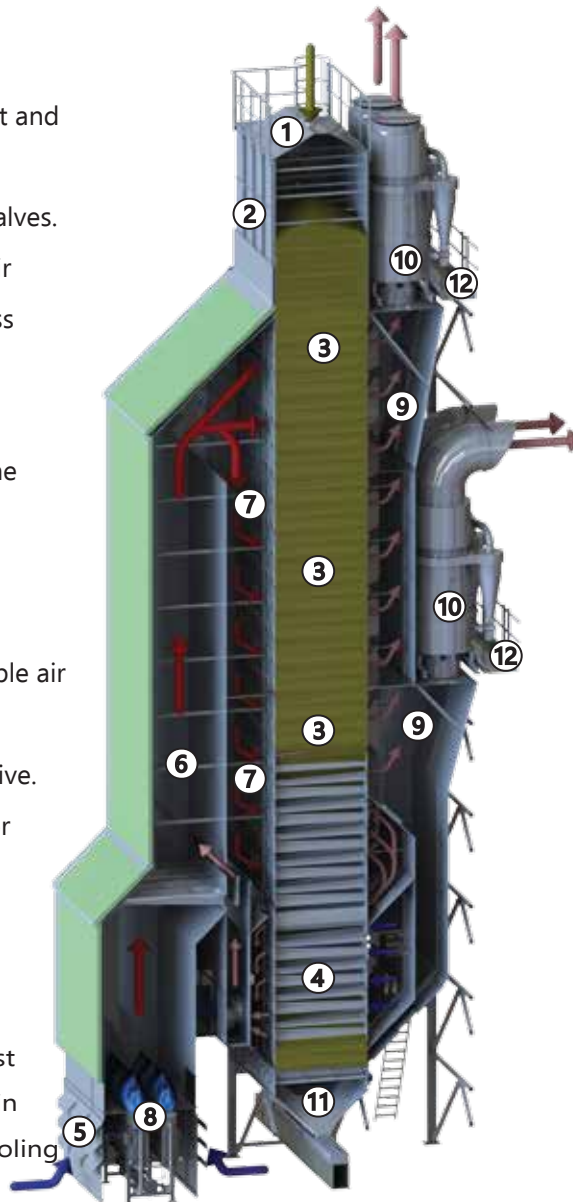
■ Control cabinet:

Management and control of exhaust fans, burner, discharge section, grain level, temperature in drying and cooling sections.

■ Certificates: CE / EAC / ISO

■ Warranty: 24 months

■ Documentation: Assembling manual / operating manual / passport



ADDITIONAL EQUIPMENT

- Recuperation of hot air.
- Heat exchanger with connection to gas or diesel burner.
- Heat insulation for hot air chamber, drying column and cooling sections. Choice between 100 mm sandwich panels or built-in 50 mm mineral wool panels.
- Exhaust fans with dust removal - CENTRIFANS supplied complete with minicyclone, silencer and self-closing butterfly valve, service platforms, ladders and safety rails. Insures average dust removal up to 75 %.
- Fire detection and warning system.
- Moisture control system, which consists of 2 GR-Probe sensors for grain input and output.



CONTINUOUS FLOW DRYERS

		Number of sections														
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	
Total grain volume	m ³	GM	26	30	34	37	41	45	-							
		GL	40	45	50	56	61	66	71	77	-					
		GXL	62	69	77	84	92	99	107	114	122	129	137	144	152	159
Heat output (Q _k) - without heat exchanger	kW	GM	1000	1150	1300	1500	1700	1900	-							
		GL	1300	1550	1850	2150	2500	2900	3300	3700	-					
		GXL	2000	2400	2800	3200	3600	4000	4400	4800	5200	5600	6000	6400	6800	7200
Wheat 19 – 15 %. Air temperature + 15 °C, relative humidity 70%, hot air temperature + 95 °C	t/h	GM	13	15	17	20	23	25	-							
		GL	18	21	25	29	33	39	45	50	-					
		GXL	27	32	37	43	48	55	60	65	70	75	80	85	90	95
Maize 30 – 15 %. Air temperature + 10 °C, relative humidity 70%, hot air temperature + 110 °C	t/h	GM	4	5	5	6	-									
		GL	6	7	8	9	11	13	15	16	-					
		GXL	9	10	12	14	16	18	20	21	23	24	26	28	29	31
Rapeseed 13–7 %. Air temperature + 15 °C, relative humidity 70%, hot air temperature + 80 °C	t/h	GM	7	8	9	11	-									
		GL	9	11	12	14	16	19	22	24	-					
		GXL	11	13	15	17	19	22	24	26	28	30	32	34	36	38
Total air consumption (in normal conditions)	nm ³ /h	GM	38 000	45 600	53 200	60 800	68 400	76 000	-							
		GL	48 500	58 200	67 900	77 600	87 300	97 000	106 700	116 400	-					
		GXL	72 500	87 000	101 500	116 000	130 500	145 000	159 500	174 000	188 500	203 000	217 500	232 000	246 500	261 000
Fan 9.2 kW (radial) without dust separation	pc.	GM	2	3	3	3	4	4	-							
		GL	3	3	4	4	5	5	6	6	-					
		GXL	4	5	5	6	7	8	8	9	10	10	11	12	13	13
Fan 15.0 kW (radial) without dust separation	pc.	GM	-	2	2	2	-									
		GL	2	2	-	-	3	3	4	4	-					
		GXL	-	3	-	4	5	5	6	6	7	7	8	8	9	9
CENTRIFAN 22.0 kW (radial) with dust separation (~75%)	pc.	GM	1	2	2	2	2	3	-							
		GL	2	2	2	3	3	3	4	4	-					
		GXL	3	3	4	4	5	5	5	6	6	7	7	8	8	9

