

Characteristics		GM 6	GM 8	GM 10	GL 7	GL 9	GL 11
Buffer sections	pcs	2	2	2	2	2	2
Drying sections	pcs	6	8	10	7	9	11
Grain volume (total)	m ³	33	40	48	51	61	72
Total weight (total)	t	24	30	36	38	46	54
Working volume	m ³	22	30	37	37	47	58
Working weight	t	17	22	28	28	35	43
Wheat 19% to 15%, 95°C	t/h	15.0	20.0	25.5	25.0	33.5	45.0
Maize 25% to 15%, 110°C	t/h	7.5	10.0	12.8	12.5	16.8	22.5
Maize 25% to 15%, 110°C	t/h	5.0	6.6	8.4	8.3	11.1	14.9
Canola 13% to 7%, 70°C	t/h	6.8	9.0	11.5	11.3	15.1	20.3
Sunflower 13% to 8%, 70°C	t/h	4.9	6.5	8.3	8.1	10.9	14.6
Soja 18% to 12%, 80°C	t/h	9.6	12.8	16.3	16.0	21.4	28.8
Recommended heat input	kW	1150	1500	1900	1850	2500	3300
Basic fans w/o dust separation / Advanced fans c/w dust removal	kW	2 x 9.2 / CTF 22	9.2+15 / CTF 30	2 x 15 / 2 x CTF 22	2 x CTF 22	2 x CTF 30	3 x CTF 22
Premium fans CS (___ kW) with dust removal system	kW	CS 40/30	CS 40/37	CS 40/45	CS 40/45	CS 80/55	CS 80/75

Characteristics		GXL 9	GXL 11	GXL 13	GXL15	GXL17
Buffer sections	pcs	2.5	2.5	2.5	2.5	2.5
Drying sections	pcs	9	11	13	15	17
Grain volume (total)	m ³	92	107	122	137	152
Total weight (total)	t	69	81	92	103	114
Working volume	m ³	67	82	97	112	127
Working weight	t	51	62	73	84	96
Wheat 19% to 15%, 95°C	t/h	48.5	60.0	70.0	80.0	90.0
Maize 25% to 15%, 110°C	t/h	24.3	30.0	35.0	40.0	45.0
Maize 25% to 15%, 110°C	t/h	16.0	19.8	23.1	26.4	29.7
Canola 13% to 7%, 70°C	t/h	21.8	27.0	31.5	36.0	40.5
Sunflower 13% to 8%, 70°C	t/h	15.8	19.5	22.8	26.0	29.3
Soja 18% to 12%, 80°C	t/h	31.0	38.4	44.8	51.2	57.6
Recommended heat input	kW	3600	4400	5200	6000	6800
Basic fans w/o dust separation / Advanced fans c/w dust removal	kW	3 x CTF 30	4 x CTF 30	4 x CTF 30	6 x CTF 22	5 x CTF 30
Premium fans CS (___ kW) with dust removal system	kW	CS 100/90	CS 140/110	2 x CS 80/75	2 x CS 110/90	2 x CS 110/90

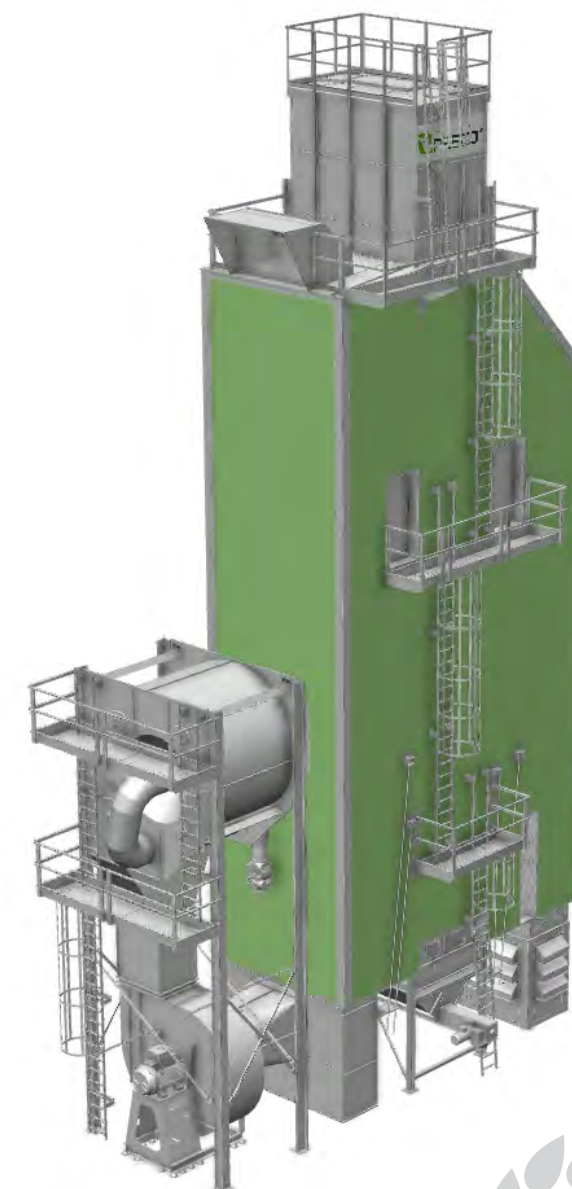
PRECO CONTINUOUS FLOW GRAIN DRYERS

Preco continuous flow dryer range consist of models GM, GL and GXL. Each model is based on modular system that enables wide variety of configurations. All Preco dyers are based mixed flow drying principle, which is considered as most efficient and same time the gentlest drying process.

Our focus on emission allows us to offer wide variety of customization related to dust, heating, sound and heat recovery. Dryers are intended for industrial use, therefore built from 2mm galvanized steel sheets.

STANDARD EQUIPMENT:

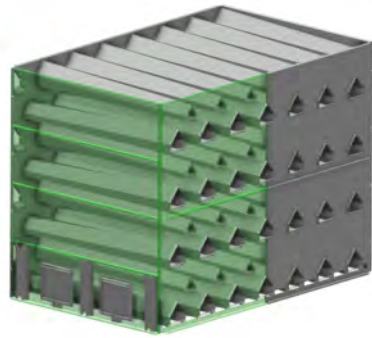
- Discharge section with electric slide drive
- Drying column with triangular hot and cold air channels
- Buffer section with level sensors
- Roof, equipped with safety rails
- Hot air chamber with service access
- Burner chamber equipped with air intake pockets, dust sieve and access door
- Modulating gas or diesel burner
- Exhaust air chamber with service access
- Cooling sections, adjustable by valves
- Insulation t=100 mm
- Exhaust fans (radial) with adjustable air flow or flase air inlets
- Platforms, hatches and ladders for easy access to service areas.
- Grain sample probe
- Control box with touch screen interface



Base design:

Drying column:

Smooth wall design is part we are very proud of. It has significant positive effect on dryers' cleanliness and material clogging. Tapered air channels with deflecting plates ensures higher air volumes resulting to increased drying capacity



Feeding section:

Arch type slide feeding mechanism allows to control even grain flow throughout whole column.



Feeder is operated by pulse principle, whereas set point serves grain temperature or moisture content.

Heaters:

Direct gas burners (1) have flexible range of capacity and can be operated either by natural gas or LPG. Preco PID control allows to precisely control hot air temperature. Comparing to indirect heating, direct heating consumes less energy.



As alternative Preco has designed heat exchangers (2) up to 2MW capacity, which can be operated either by oil burner or gas.



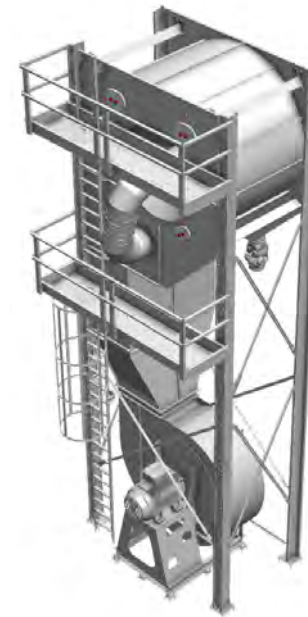
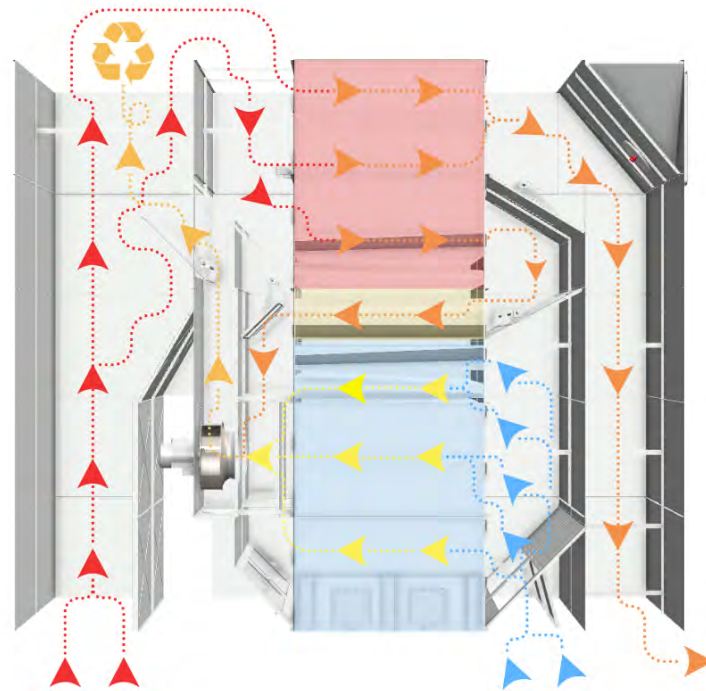
We are always keen to implement in our dryers any alternative heat sources available on customer site or provided by third party suppliers.

Heat recovery:

Dryer can be equipped with heat recovery system. System uses two energy sources. At first non-saturated air from hot grain plenum is reversed to heater side. Secondly, heated air used for cooling is diverted back to hot air duct by centrifugal fan. Both air flows are mixed by fan impellor, and afterwards with hot air generated by heat source.

Integral part of heat recovery system is insulation.

By using this system, total fuel consumption can be decreased by 30%.



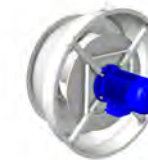
Premium dust separation fans "Centro Separator":

In range from 30kW to 132kW. Intended for any operation with strict dust emission requirements. As standard equipped with service hatches, platforms and rotary air lock. Can be upgraded to top blow configuration and equipped with silencers.



Advanced dust separation fans "CentriFan":

In range from 22 to 30 kW. Intended for medium and large size operations. Ensures dust separation that complies with most "clean" air demands on market. As standard equipped with rotary air lock, silencer, and weather cover for outlet.



Basic radial fans:

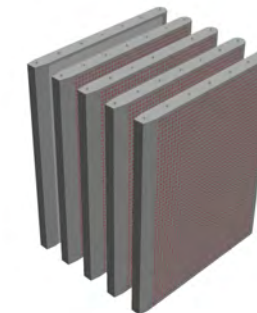
In range from 5.5 kW to 15 kW. Ensure high efficiency and low energy consumption. Intended for use in smaller scale operations or in specific processes.

Accessories:

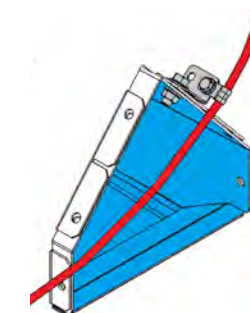
Top blow air exhaust for noise and dust emissions:



Silencers mounted inside duct or at air outlet:



Fire detection system:



All-around insulation:



Grain dryer moisture control system:



Extension for buffer bin:



Additional sensors for process control:



Process control interface on industrial PC:

