

Batch dryers

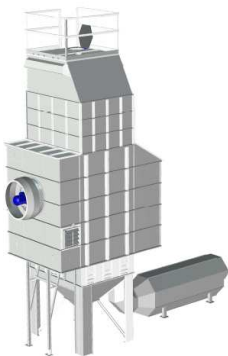
PPW „ARAJ” LTD is grain silos, dryers, cleaners and transport devices leader supplier in Poland. We have 20 years experience in design and manufacturing. Our computer – controlled machine fleet provides manufacturing productivity ensuring our components are precise and repeatable. With our coherent and flexible logistics , we can efficiently operate our business every day . Our people are high qualified specialists.

Purpose

Batch dryers are designet for drying All kinds of cereal grains, rapeseed as well as seeds of sunflower and leguminous plants, seeding material and Rother loose materials. They ensure ecological, safe drying with clean air.

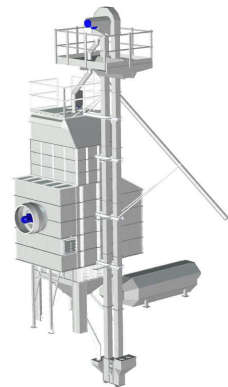
Prnciple of operation

The whole process In the batch Ryder can divided into four stages: loading grain into the Ryder, grain drying, grain cooling and unloading grain from the dryer. Depending on the Ryder model, grain may be recirculated In the dryer column and my be also cleaned In the aspirator installed



Recirculating batch dryer Version P

Equipped with a roof, roof platform, and grain unloading system, which allows transporting (recirculating) the grain during drying. In this way, the grain is evenly dried.



Recirculating batch Ryder Ver- sion PK

As compared to version P, PK dryers are additionally equipped with a bucket elevator, necessary tubing system, and automatic recirculation control system, drying time and temperature controls. Such a system is ready for operation right after assembly.



Recirculating batch dryer PKK

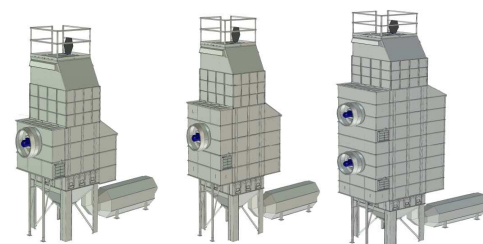
This version includes an aspirator located on the dryer roof. The grain is initially cleaned by removing light contaminants, which greatly improves the quality of the dried grain.

DRYER STRUCTURE (standard equipment)

roof with railing
filling/buffer segments
drying segment
grain unloading system with mechanical speed control
heater with burner and filter
air duct of the heater
heater control cabinet with drying temperature regulation
filling sensor
outlet duct with regulation
ladder

ADDITIONAL EQUIPMENT

control cabinet with automation of circulation, drying and cooling
bucket elevator with gearbox
bucket elevator service platform
connection kit
aspirator WWA 30



Technical data

			S203P	S205P	S209P
Recirculating batch dryer					
Approximate load capacity	t		9,2	12,2	18,3
Overall thermal power	kW		350	500	1000
Rape drying capacity from 13% to 7%					
24- hor capacity	t		46	69	113
Complete drying cykle	h		4,2	3,6	3,4
Cycles per 24 hours			5,7	6,7	7,2
Wheat drying capacity from 19% to 15%					
24- hor capacity	t		79	112	170
Complete drying cykle	h		2,8	2,6	2,6
Cycles per 24 hours			8,6	9,2	9,3
Maize drying capa city from 30% to 15%					
24- hor capacity	t		34	44	76
Complete drying cykle	h		6,5	6,6	5,8
Cycles per 24 hours			3,7	3,6	4,2
Instalalled electric power	P	kW	8,7	8,8	17
Dryer size including oven	length	m	7,8	7,8	8,7
	width	m	2,6	2,6	2,6
	Height (P)	m	7,7	8,6	11,0