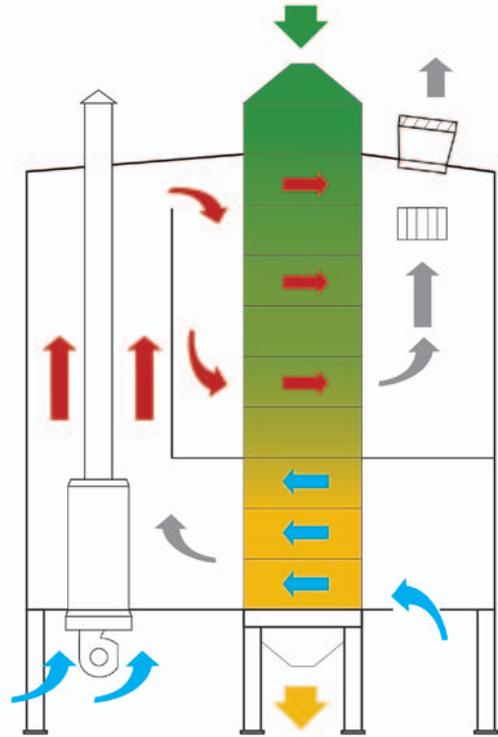# Continuous Flow Grain Dryer WS

Flow diagram

The **PETKUS Continuous Flow Dryers Type WS** are tower dryers designed for drying grain, oilseeds and seed. Four series (15, 25, and 40) are available.

Advantages:
- Three series designed for various capacity requirements
- Gentle and even drying
- Indirect heating through heat exchangers
- Operated with gas or oil burner

Description:
The product moves into the dryer column from above and flows to the discharge over conical, roof-shaped air ducts arranged alternately from side to side. The product is continually mixed and hot air generated by the combination of a burner and heat exchanger, flows evenly through the product. The required airflow is generated by the axial flow fans in the roof of the exhaust air duct. The air speed within the dryer column can be adjusted with an air diversion flap.
Louver dampers behind the axial flow fans close during the supply and therefore prevent the discharge of dust.
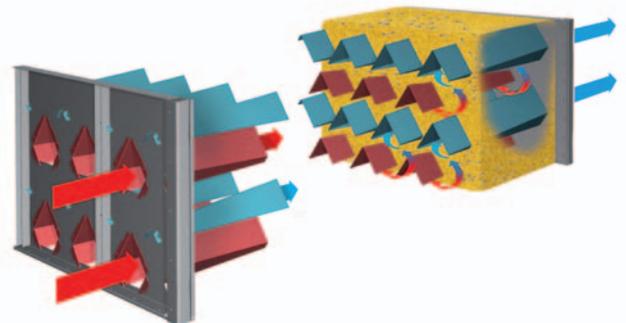
Construction:
The continuous flow dryer DS is equipped with an insulated hot air duct with a heat exchanger, an oil or gas burner, a dryer column with air ducts, an exhaust air duct with axial flow fans and a discharge device with outlet hopper.

Standard Equipment:
- Model in galvanized sheet steel
- Dryer column with conical, roof-shaped air ducts
- Heat insulated hot air duct
- Exhaust air duct with an axial flow fan and louver damper
- Buffer bin with level indicator
- Pneumatic discharge device with outlet hopper
- Burner with heat exchanger and gas smokestack
- Compressor incl. compressed air pipes
- Control cabinet with touch panel and control software
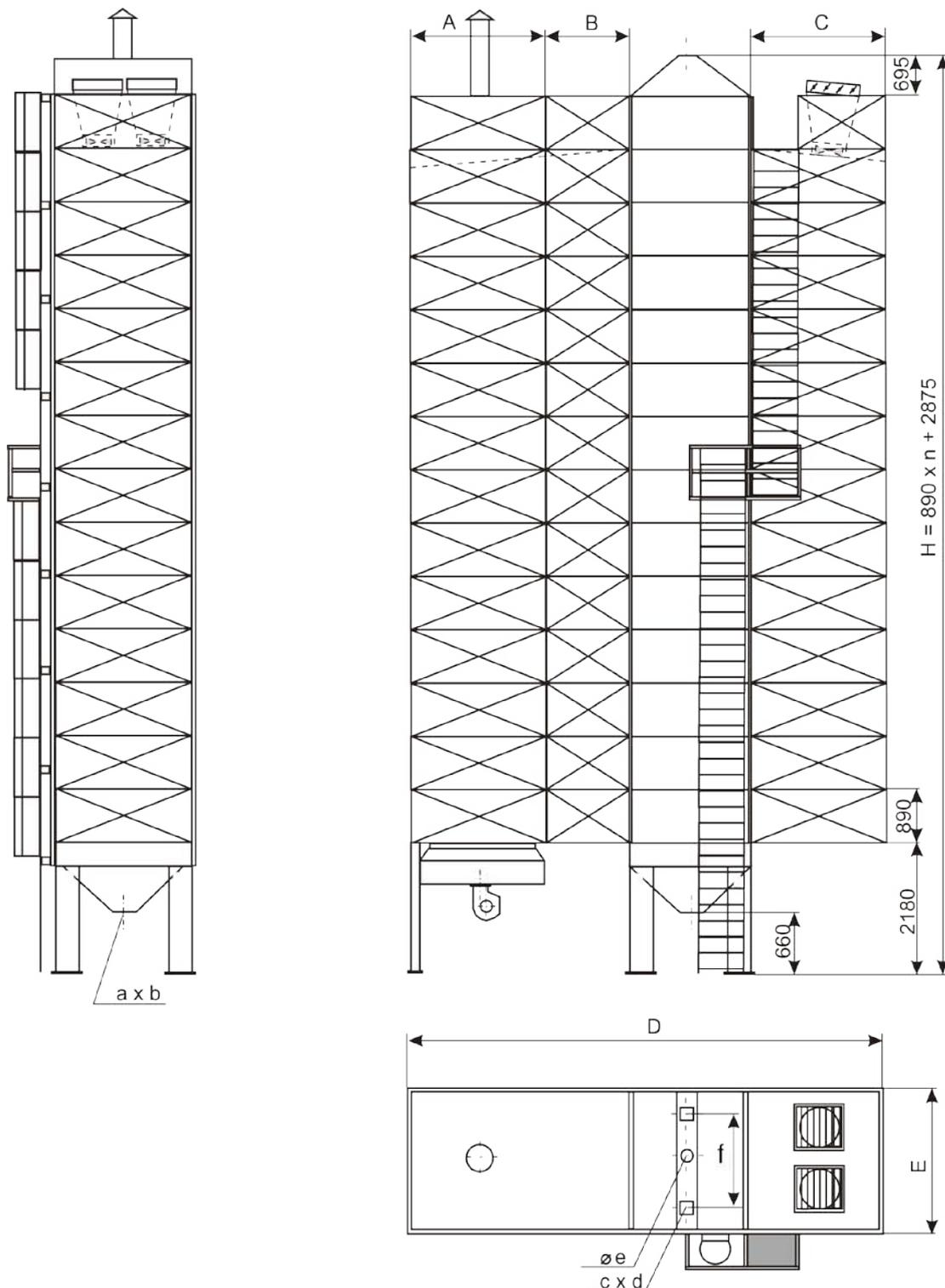- Sub-structure, ladders, operating platforms

Options:
- Heat insulation of the dryer column
- Larger buffer bin
- Distributing device in the inlet hopper (only for series 40)

Schematic illustration dryer section

Type	A	B	C	D	E	a	b	f	c	d	e
15	1450	1050	1450	6020	1570	200	200	-	-	-	Ø 150
25	2320	1450	2320	8160	2440	250	250	-	-	-	Ø 200
40	2320	1450	2320	8160	3890	250	1700	1885	250	250	-

n = Total No. of cells

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