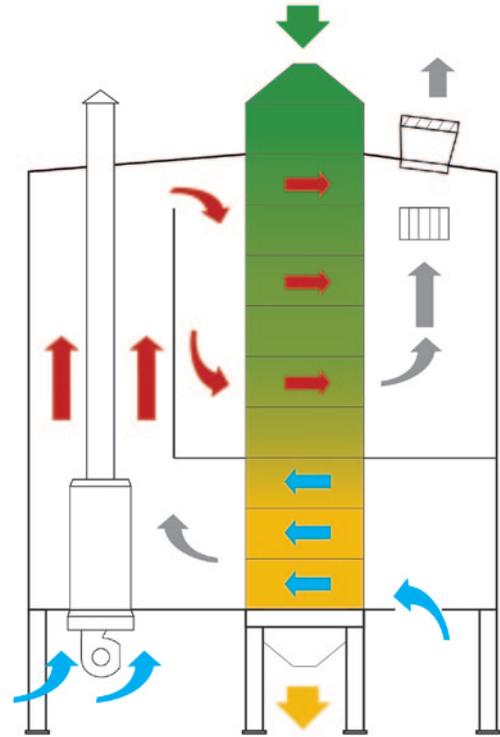




Flow diagram



The **PETKUS Continuous Flow Dryers Type DW** are tower dryers designed for drying grain, oilseeds and seed. Three 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 emptying and therefore prevent the discharge of dust.

Construction:

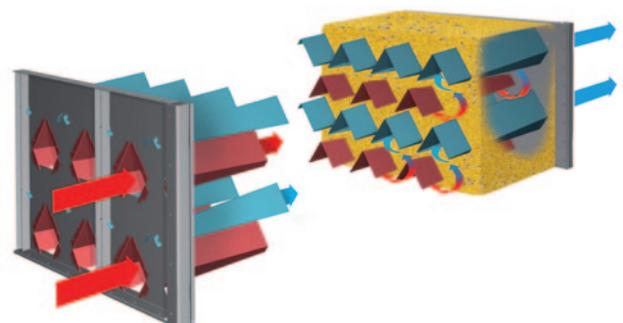
The continuous flow dryer DW is equipped with an insulated hot air duct with a heat exchanger, an oil or gas burner, a dryer column with air ducts, an exhaust air duct with axial flow fans and a discharge device with outlet hopper.

Standard Equipment:

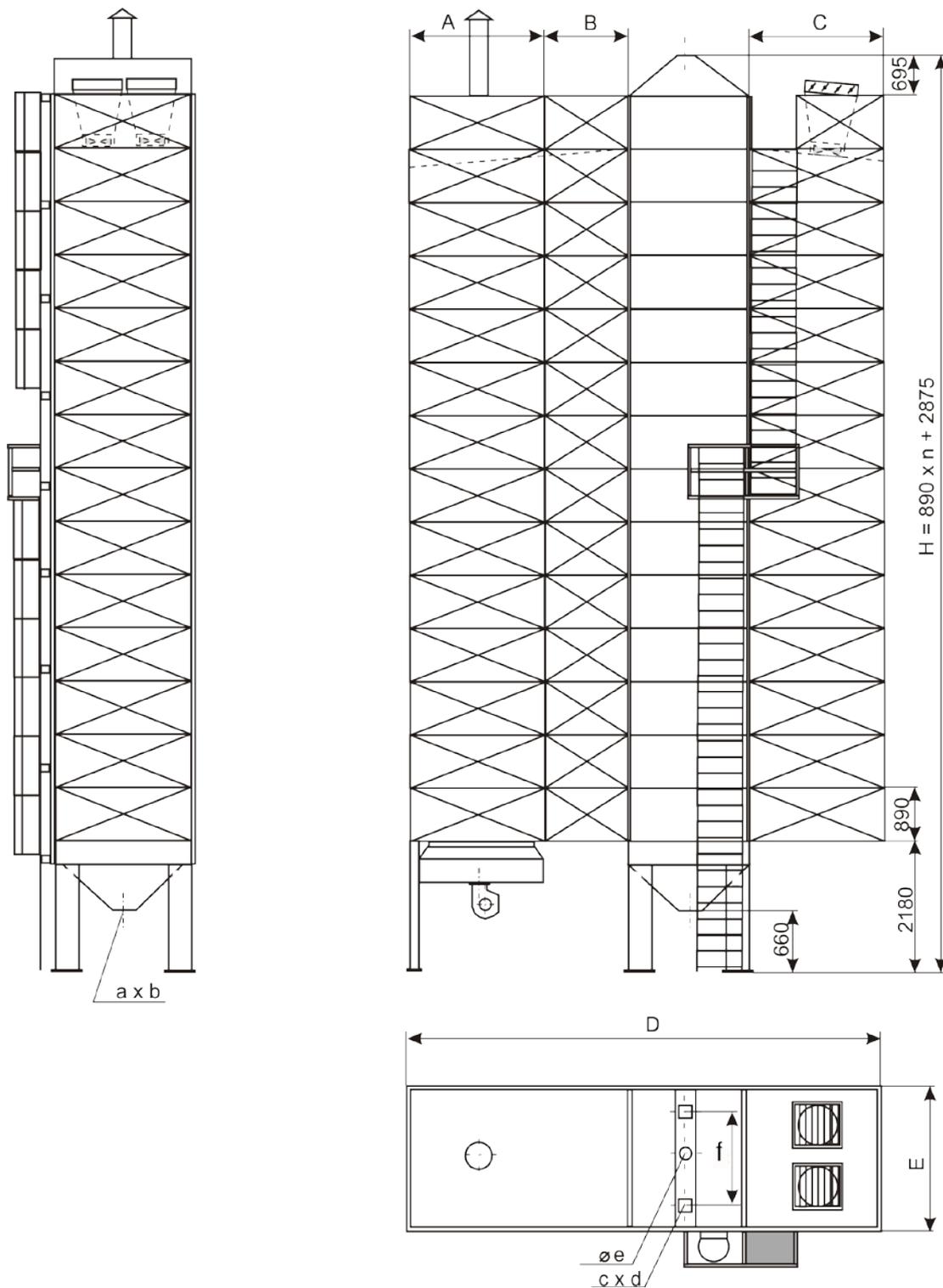
- Model in galvanized sheet steel
- Dryer column with conical, roof-shaped air ducts
- Heat insulated hot air duct
- Exhaust air duct with an axial flow fan and louver damper
- Buffer bin with level indicator
- Pneumatic discharge device with outlet hopper
- Burner with heat exchanger and gas smokestack
- 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	D_{min}	E	a	b	f	c	d	e	h	g
15	6024	1570	200	200	-	-	-	Ø 150	880	2200
25	8164	2440	250	250	-	-	-	Ø 200	680	2210
40	8164	3890	250	1700	3468	250	250	-	670	2210

n = Total No. of cells

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