

On request, pneumatic presses with a closed PST system can be equipped with a cooling jacket and accompanying connectors to the cooling medium source. The cooling medium circulates in the space between the press drum jacket and the additional external jacket. The cooling system enables the user to actively interfere into processes, which evolve in the drum during grape pomace pressing and to guide them into the desired direction.

Pneumatic press with a cooling jacket enables cooling of the drum before its filling, cooling of grape pomace during pressing and adaption of temperature of grape mass in the drum according to oenological recommendations and demands.

Press with a cooling jacket is also suitable for maceration. With maceration of grape pomace at low temperatures, a more intensive extraction of aromatic precursors can be influenced.



pneumatic press PST 100

Cooling jacket – technical data:

- ▶ working pressure: 3 bar
- ▶ testing pressure: 6 bar
- ▶ cooling medium: water, glycol
- ▶ inlet/outlet connectors: $\frac{3}{4}$ " quick couplings
- ▶ cooling surface (in the table indicated values are approximate):

Pneumatic press	Drum volume (l)	Cooling jacket (m ²)
PST 5	500	1,40
PST 8	800	2,25
PST 10	1000	2,30
PST 12	1200	2,75
PST 16	1600	3,50
PST 21	2100	3,95
PST 29	2900	7,60
PST 42	4200	9,60
PST 55	5500	11,25
PST 80	8000	15,70
PST 100	10000	16,65
PST 130	13000	18,85
PST 150	15000	23,20

Connection to the cooling system

The cooling jacket is connected to the cooling medium through two connectors on the external drum surface. Each of the two connectors can be used as an inlet or outlet connector.

The cooling jacket can be connected to the cooling medium only when the drum does not rotate. Before the drum starts rotating, the supply of the cooling medium should always be disconnected, so that the inlet pipe does not roll on the moving drum.



OPTION: Rotational entry for connecting the cooling medium source

The connectors for the cooling medium source can also be placed on the central filling unit of the press. Such realization enables the cooling jacket to be connected to the cooling medium source also during the rotation of the drum.

Inlet/outlet connectors of the rotational entry: $\frac{3}{4}$ " internal thread

