

Plaster drying with compressed air – Success through a shorter drying time

Ottobock's sets for drying plaster with compressed air help you save valuable time when drying plaster models. This technique involves a 5-m-long porous hose and a compressed air hose with a ball valve, quick couplings and five heat-resistant adapters. The hose is cut to the appropriate length to fit the plaster model and embedded in the plaster model with the compressed air adapter.

When compressed air flows into the hose via the ball valve, the porous structure of the hose distributes the compressed air evenly in the plaster. This lets excess water flow out of the plaster in a controlled manner without causing cracks in the plaster.

This process can significantly reduce the time required for drying a plaster model. The components are heat-resistant to 130 °C, which means the plaster model can later be used in the Ottobock plaster drying oven or Ottobock convection and prepreg ovens for further drying and for processing carbon and prepreg materials.

Practical application example

Plaster: 87G4=25 plaster, porous

Fitting: above-knee (TF)

Weight of plaster model: 8 kg

Drying time without compressed air drying:

3–4 days in a convection oven at 65 °C

Drying time with compressed air drying:

15 hours in a convection oven at 65 °C

Benefits at a glance

- Saves time when drying a plaster model
- Heat-resistant components (up to 130 °C) so plaster model can be processed further in an oven



756G9 Plaster drying with compressed air starter set

Article number	756G9
To be used for	Drying plaster with compressed air
Suitable for	Ottobock plasters (stucco plaster, alabaster modelling plaster, porous plaster)
Scope of delivery	5 m compressed air hose including quick couplings and ball valve with lever handle 756Y91=1 plaster lamination adapter, 5 pcs 756Y91=2 hose, porous, 5 m 756Y91=3 plugs for porous hose, 5 pcs

756Y90 Plaster drying with compressed air consumables kit

Article number	756Y90
Scope of delivery	756Y91=1 plaster lamination adapter, 5 pcs 756Y91=2 hose, porous, 5 m 756Y91=3 plugs for porous hose, 5 pcs



Further information available at:
pe.ottobock.com/en/756G9.html