



BEKOBLIZZ[®]

**OPTIMISED COOLING PROCESSES WITH
DRY DEEP COOLED COMPRESSED AIR**

THE OBJECTIVE: INCREASED PRODUCTIVITY USING COLD DRY HIGH-QUALITY COMPRESSED AIR

The challenge: Capacity bottle-necks, increasing cost pressure and rising quality requirements are all demands which require the most modern plant engineering available, both in the high-tech field and in harsh industrial application. In many production processes cooling is often critical.

The solution: increased economic viability and better quality. **BEKOBLIZZ®** is the deep-cooling system which delivers extremely dry compressed air at very low temperatures constantly down to below -35°C / -45°C . with the latest in state-of-the-art technology.



Cycle time reduction in rotational moulding: Up to 50% using BEKOBLIZZ®. Added bonus: A better quality of the rotational moulded product **.

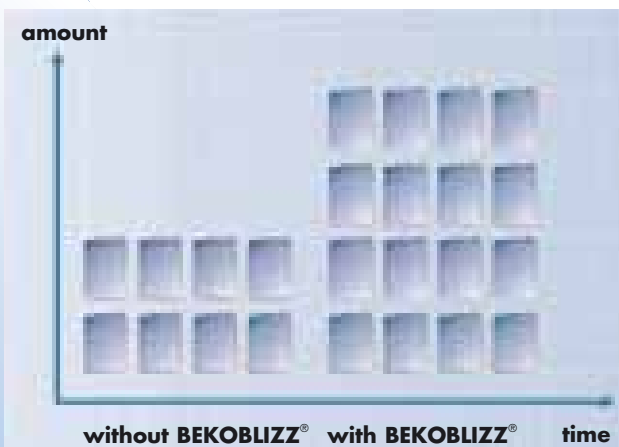


Cycle time reduction in blow moulding: Up to 25% using BEKOBLIZZ®, a real increase in production capacity! *



The result: You will considerably speed up and optimise your production processes with the simple integration of **BEKOBLIZZ®**. A particular strength of the system lies in its simplicity. **BEKOBLIZZ®** saves time and money.

Two advantages:
Dry deep cooled compressed air shortens the production cycles and improves quality at the same time.

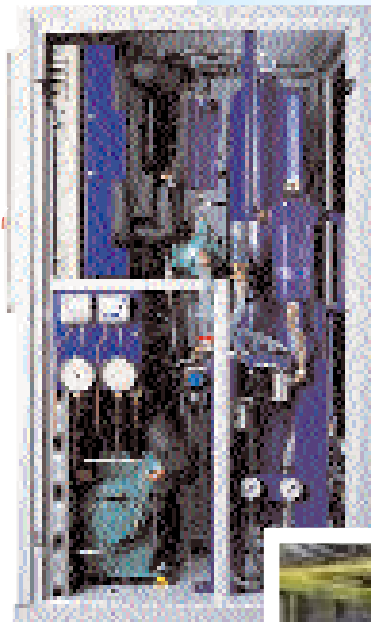
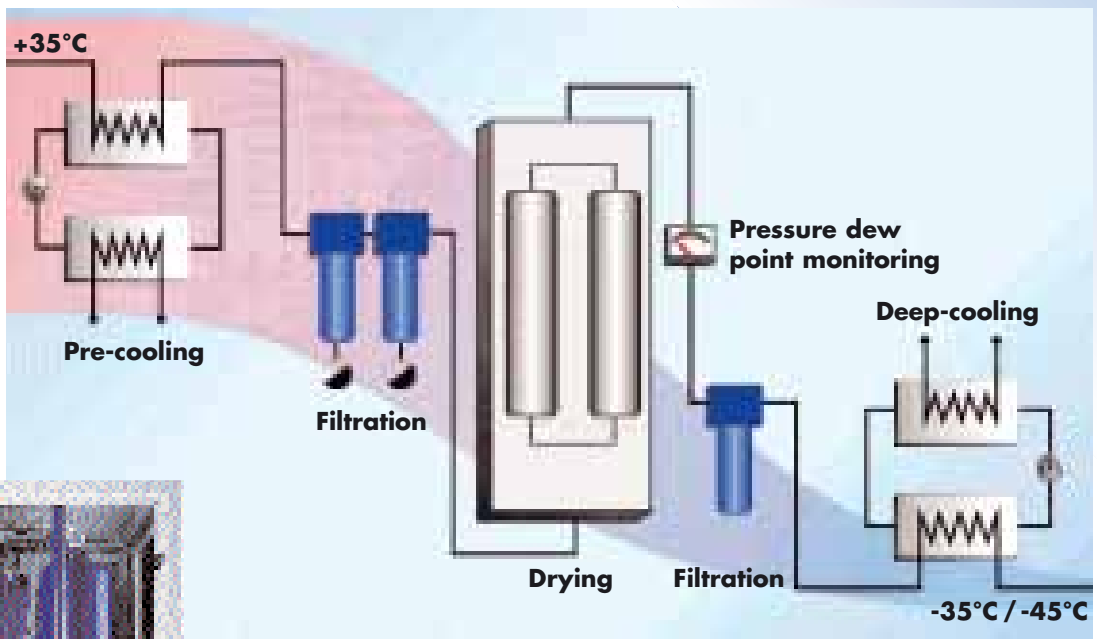


The benefits:

- Effective reduction of cycle times
- Increases product quality by even cooling
- Avoid having to use expensive refrigerants (CO_2 or N_2)
- Fully automated
- Fast pay-back

Let us calculate your savings. Phone us or contact us via our website: www.beko.de

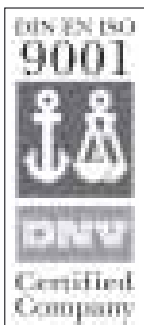
THE PRINCIPLE IS COMPELLING, THE TECHNOLOGY PROVEN



BEKOBLIZZ® systems concentrate compact performance in the smallest of spaces and are still easy to integrate into large scale applications.



- intelligent, three-stage system technology for constant performance values in continuous load operation, even with fluctuating operation conditions
- high performance heat exchangers
- electronically controlled self-regulating refrigeration circuits
- three-stage compressed air filtering in accordance with DIN ISO 8573
- effective compressed air drying
- permanent electronic pressure dew point monitoring
- the most modern SPS controller with plain text display for calling up all operational parameters
- self-monitoring electronic **BEKOMAT®** condensate drain
- potential-free indicator contacts
- environmentally-friendly refrigerants
- low noise
- maximum safety standards
- maintenance-friendly plant concept

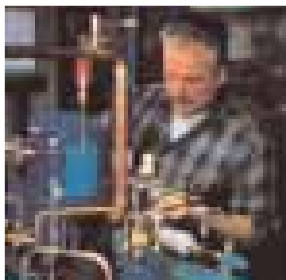


BEKOBLIZZ® is manufactured in accordance with DIN EN ISO 9001. Highest operational safety, selected quality components and regular TÜV inspection (German Technical Control Board) guarantee you the highest BEKO quality



YOUR PROJECTS ARE IN SAFE HANDS WITH BEKO

Innovation and quality: Since 1982 we have been setting new standards for quality improvement in compressed air technology throughout. This wide-ranging knowledge and the ever-increasing demands made by our customers have made us a well-known and sought-after partner worldwide for the design, optimisation and implementation of compressed air applications of every type.



Planing and implementation: We are there to help our customers in the implementation of their projects with advice and support from the very beginning. A fact that leads to better results - quickly.

Precision and taking care: Based on experience, commitment and certified production processes we make sure that **BEKOBLIZZ®** will deliver a reliable performance in every industrial application.

Motivation and communication: Even at the end of development, manufacture and management of our high-performance **BEKOBLIZZ®** compressed air deep-cooling systems, we haven't finished our work. We provide our own BEKO experts to help you during installation and commissioning - either with personal on-site help or using a direct line to our technicians in the office.

BEKOBLIZZ®	Max. Vol.-flow ¹⁾ at intake m³/h (scfm)	Max. Vol.-flow ¹⁾ at outlet m³/h (scfm)	Outlet temperature °C (°F)	Max. system pressure bar (psi)	Electrical power consumption kW (HP)	cooling water consumption ²⁾ m³/h (scfm)	Compressed air connections
016-N2-25	16 (9)	16 (9)	-25 (-13)	350 (5076)	1.3 (1.8)	0.5 (0.29)	¼" ³⁾
120-W1-35	145 (85)	120 (71)	-35 (-31)	16 (232)	2.5 (3.4)	0.54 (0.32)	1"
240-W2-35	290 (171)	240 (141)	-35 (-31)	16 (232)	5.1 (6.8)	1.1 (0.65)	1 ½"
410-W2-35	495 (290)	410 (241)	-35 (-31)	16 (232)	6.61 (8.9)	1.63 (0.96)	1 ½"
270-W2-45	338 (199)	270 (159)	-45 (-49)	16 (232)	7.3 (9.7)	1.37 (0.81)	1 ½"
410-W2-45	513 (302)	410 (241)	-45 (-49)	16 (232)	9.8 (13.1)	2.17 (1.28)	1 ½"
<p>→ For more technical data an product information visit our website: www.beko.de</p>							

¹⁾ Air volume flows based on +20°C (+68°F) and 1 bar (14.5 psi) abs.

²⁾ Cooling water consumption based on +20°C (+68°F) intake temperature

³⁾ Nitrogen-connection

* Photo blow moulding courtesy of Dr. Reinold Hagen Foundation, Bonn, Germany.

** **ÖWAMAT®** Oil-water separator for compressed air condensate

Other sizes and power supplies on request.
Subject to technical changes, errors cannot be ruled out.

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XP ET00 006 GB Edition: 05.03

Design data:

Compressed air (intake):

Pressure: 7 bar (102 psi)
Temperature +35°C (+95°F)

Power supply:

400 V/3ph/50Hz

Compressed air quality (intake)

also oil-containing and 100% saturated compressed air

Noise level:

< 65 dB(A)

Pressure vessel

TÜV-approved for alternating pressure operation

