

# BUBBLING

# SYSTEM

*innovation*  
ENGINEERED IN GERMANY

**HORN**  
GLASS INDUSTRIES

# HORN BUBBLING SYSTEM

The use of bubbling systems is a well-known procedure in the glass industry. The primary aim of bubbling is to intensify the melting process by strengthening and stabilizing the glass flow. This affects the melting process in terms of improved homogenizing and increased melting performance as well as speeding up the re-melting process.

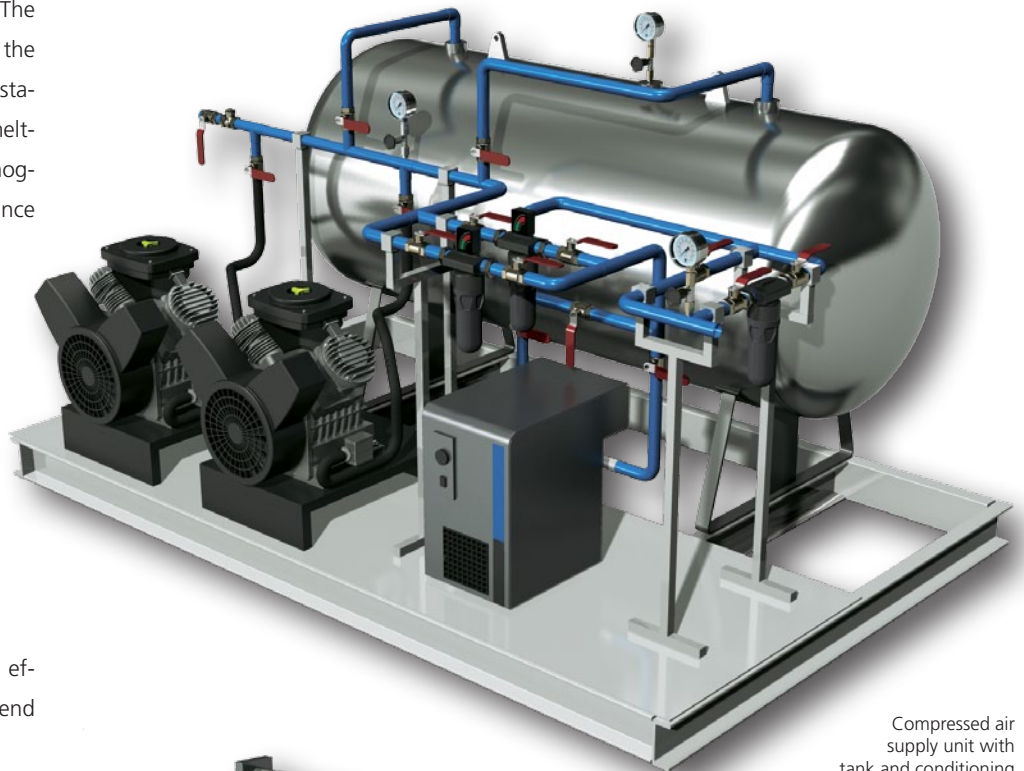
The HORN bubbling system consists of three main components:

- ceramic or metal nozzles with minor accessories
- flow-control cabinet
- compressed air supply with tank and conditioning

The compact air generating and conditioning plant ensures economic and efficient cleaning of the air used to extend nozzle durability.

The HORN flow control station facilitates the extremely accurate control of the air quantity. Automatic control of the system is optional available.

Apart from air, there is the option of using other gases for the bubbling system. Ceramic or metal nozzles could be used for the system – depending on the individual application. The number of nozzles and the positioning depends on the application and can be determined by HORN, who then propose the optimal solution.



Compressed air supply unit with tank and conditioning



Flow control cabinet



## FEATURES:

- improved glass current flow
- faster re-melting process during color change
- increased melting performance
- better homogenizing and improved refining of the glass
- air dryer unit for increased nozzles durability
- HORN offers complete service – installation and commissioning
- excellent quality due to own manufacture of partial components

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HORN Glass Industries AG • Bergstrasse 2, D-95703 Ploessberg, Germany  
Tel.: +49 9636 9204 0 • Fax: +49 9636 9204 10 • URL: [www.hornglas.de](http://www.hornglas.de)