

**Continental**   
The Future in Motion



# **CONTI<sup>®</sup> AIR STAR SUBMERSIBLE**

The offshore air protection system

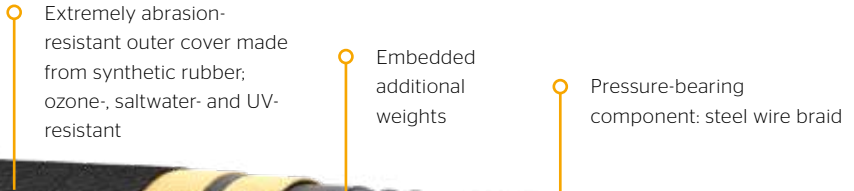
Industrial Fluid Solutions

# CONTI® AIR STAR SUBMERSIBLE

The specialist for underwater projects

## Applications and features

- During proper use as a Double Big Bubble Curtain<sup>1</sup> (DBBC with specific hole pattern), the noise level can be reduced by up to 19 dB (SEL)<sup>2</sup>
- High net weight and negative buoyancy thanks to embedded additional weights (DN100: -20 t/km)
- Standard dimensions: ID 100 x 16 [mm] (other dimensions on request)
- Production length: 40 m
- Fully resistant to saltwater
- Hose outer cover highly resistant to abrasion
- Can be used in accordance with the specifications of Germany's Federal Maritime and Hydrographic Agency (BSH) and Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU) within the framework of noise protection measures for marine mammals



Extremely abrasion-resistant outer cover made from synthetic rubber; ozone-, saltwater- and UV-resistant

Embedded additional weights

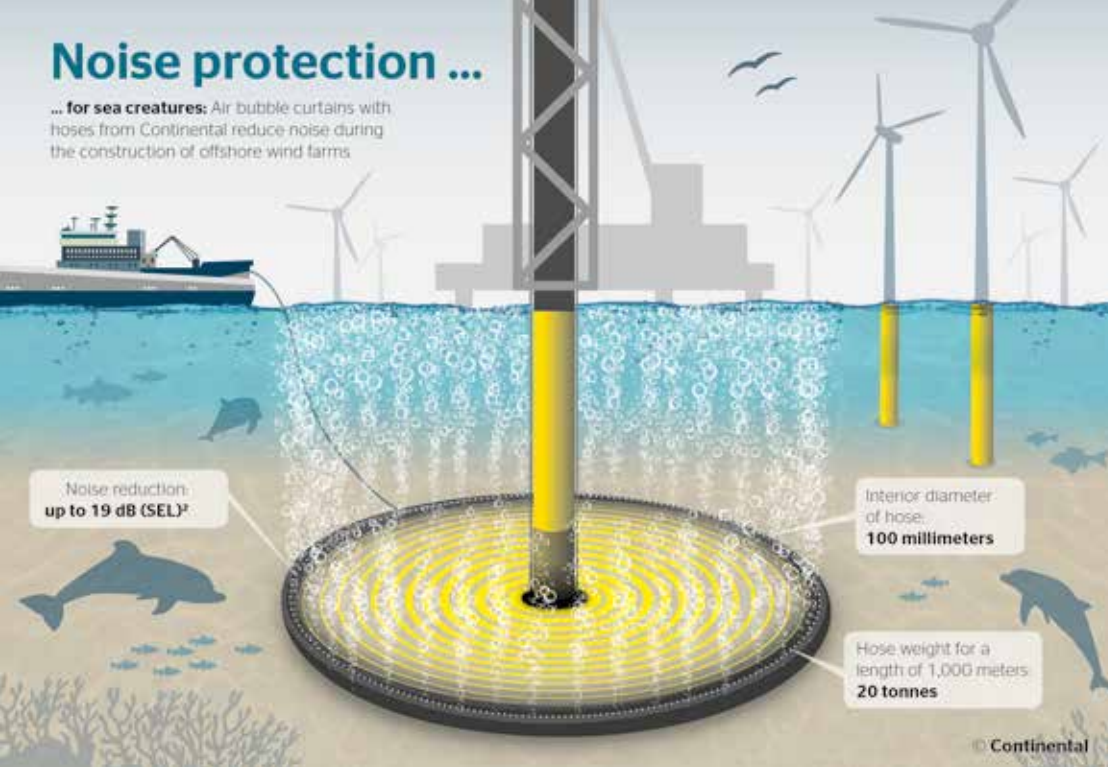
Pressure-bearing component: steel wire braid

<sup>1</sup> Big Bubble Curtain = BBC / Double BBC = DBBC

<sup>2</sup> Source: Bellmann et al., 2015: "Is There a State-of-the-Art to Reduce Pile-Driving Noise?"

## Noise protection ...

... for sea creatures: Air bubble curtains with hoses from Continental reduce noise during the construction of offshore wind farms



## Fittings and connectors

Hose can be integrated with standard hose fittings:

- Threaded hose fittings in accordance with DIN EN 14420-5
- TW hose couplings in accordance with DIN EN 14420-6
- Lever hose couplings in accordance with DIN EN 14420-7
- Flange fittings in accordance with DIN EN 14420-4
- Clamping shells for clamp connectors in accordance with DIN EN 14420-3
- Swivel joints for aligning the hoses

**Greater project efficiency**  
thanks to a world first

No anchoring, faster assembly

Time is money - this applies to environmental protection in underwater projects too. Continental is now offering a world first: a hose that significantly increases project efficiency. What's special about it is that it has a particularly high net weight ensuring negative buoyancy. This means it can be positioned on the sea floor without time-consuming anchoring - and easily brought back to the surface once the project is completed without troublesome add-on parts in which debris could become trapped.

Perforated on one side and highly versatile

Configured as a BBC hose, the CONTI® AIR STAR SUBMERSIBLE for noise protection is suitable for a range of underwater applications such as pile-driving during the construction of wind energy plants, mine clearance work, as an oil barrier, in seismic surveys, bridge-building, port and coastal development and in the construction of artificial islands.



## AIR STAR SUBMERSIBLE: Your benefits

The new AIR STAR SUBMERSIBLE from Continental combines a high net weight with high project efficiency

- No additional anchoring to the sea floor required
- Fast assembly/dismantling\*
- No "by-catch" when wound onto the drum\*
- Larger drum capacity\*
- For repeated use and highly versatile

\* In comparison with systems with external add-on parts (pipe segments, chains etc.)

### Industrial Fluid Solutions

Market segment

Industrial Fluid Solutions EMEA Region

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ContiTech is part of the international technology corporation Continental and enjoys a global reputation as a materials specialist and development partner with innovative products and intelligent systems that make use of rubber, plastic and combinations of materials such as metals, fabric, textiles, glass, and electronic components.

ContiTech operates in almost all sectors of industry. Drawing on our extensive development and materials expertise, we combine our products and systems with customized services. We partner with our customers to create added value and help make the social trends of tomorrow into a reality today.

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