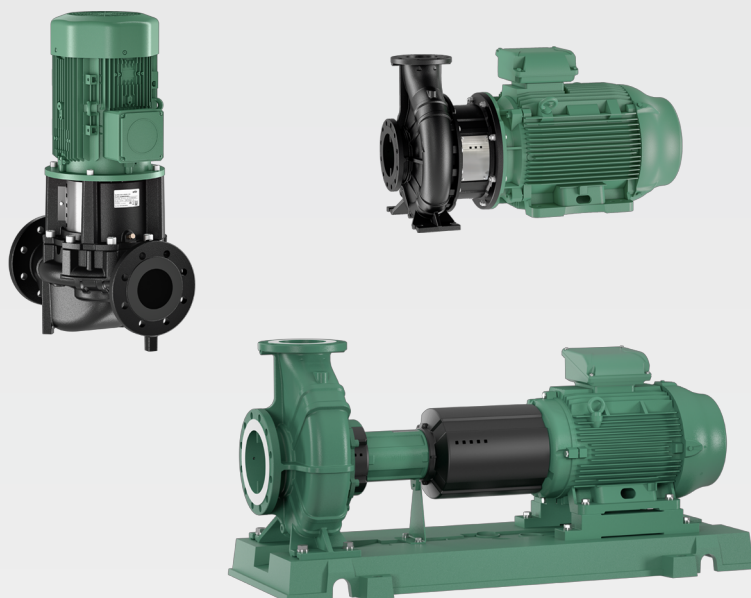


Wilo-Atmos GIGA-I/-B, Wilo-Atmos GIGA-N

P2 versions



en Additional instructions



1 General

1.1 About these instructions

These instructions are a supplement to the product installation and operating instructions. They are only valid when used in connection with the product-specific installation and operating instructions. Compliance with the instructions is essential for correct handling and use:

- Carefully read the specific product installation and operating instructions before performing any activities.
- Read this supplement carefully before all activities.
- Keep the instructions in an accessible place at all times.
- Observe all product specifications.
- Observe the markings on the product.

The language of the original operating instructions is German. All other languages of these instructions are translations of the original operating instructions.

1.2 Copyright

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1.3 Subject to change

Wilo shall reserve the right to change the listed data without notice and shall not be liable for technical inaccuracies and/or omissions. The illustrations used may differ from the original and are intended as an exemplary representation of the product.

2 Application/use

2.1 Intended use

The “P2” version designates pumps with grey cast iron material that are approved for drinking water applications.

WARNING! Observe the different national regulations when using this pump in contact with drinking water!

This pump has drinking water approval in accordance with “Attestation de Conformité Sanitaire” (ACS, French water regulations advisory scheme). This approval is also accepted in some other countries.



NOTICE

The local consultant and the installer are responsible for observing conformity to national standards and directives.

In countries where the ACS is not recognised, ensure the following:
materials of pump types that come into contact with drinking water are included on a positive list.

2.2 Improper use

ACS approval and other national standards and directives permit grey cast iron to come into contact with drinking water within the scope of water supply at water temperatures of maximum 25 °C.

WARNING! Grey cast iron which comes into contact with drinking water is not approved for domestic hot water circulation and permanent stagnation must be avoided!

The operator must use the pump in accordance with national requirements for drinking water hygiene and the risk of corrosion. This also includes making sure that stagnation does not occur and that specific flow velocities are maintained.

Drinking water installation with twin-head pumps or two single pumps operated in parallel



WARNING

Danger to health!

With twin-head pumps in main/standby operation, the water will stagnate in the pump that is not running. This results in a greater risk of corrosion and legionella!

- Stagnation must be avoided in accordance with local requirements and regulations.

3 Product information

3.1 Type key

Wilo pumps that are used for drinking water must include the code “P2” in the type key.

3.2 Materials

	Atmos GIGA-I Atmos GIGA-B Atmos GIGA-N
Hydraulics housing	EN-GJL-250
Impeller	1.4408
Gaskets	EPDM
Mechanical seal	BQ7EGG-WA
One-piece motor shaft	1.4122/1.4057
KTL coating	—

Table 1: Materials specifications, P2 versions



NOTICE

All metals used that come in contact with fluid comply with the „Common Approach on Metallic Materials – Part B: Positive list of compositions“ of the „4MS-Initiative“. The „4MS-Initiative“ forms the basis for the respective German and French guidelines.

For all non-metallic materials, proof of their suitability and usage in contact with drinking water was provided.

4 Installation

4.1 Description of contaminants in drinking water caused by corrosion

When steel and cast iron surfaces corrode uniformly, iron (II) ions are simultaneously transferred into water. The iron(II) ions that are dissolved in the water react with oxygen. As part of the process, less soluble iron(II)-iron(III) hydroxy complexes are formed, which results in turbidity and muddying. These signs of corrosion do not normally lead to corrosion damage.

If the intensity of local corrosion types is low enough, protective layers of calcium carbonate and hydrated iron oxides form in flowing water. The prerequisite for this is an adequate amount of calcium carbonate in the water.

Under stagnant conditions, local corrosion always occurs in comparable water. Before initial commissioning or after long periods of downtime, corrosion processes such as these can result in contamination of drinking water. The maximum permitted stagnation time in accordance with EN 806-5 is 7 days.



WARNING

Danger to health!

If there is a build-up of rusty water, do not drink the water but let it drain away! The protective covering layer forms again in contact with fresh water.

4.2 Structural measures

- Install the pump upstream of the filter.
- Prevent the pump from coming into contact with disinfectants in concentrated form.
- Avoid repeated, frequent used of disinfectants.

CAUTION

Risk of damage to the product!

Disinfectants can damage the product. Observe existing national guidelines!

5 Decommissioning



WARNING

During long periods of downtime, microbial contamination and contamination caused by corrosion can put your health at risk!

Completely drain the product and dry it in order to minimise contaminants caused by corrosion and microbial contamination of the drinking water after a long standstill.







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