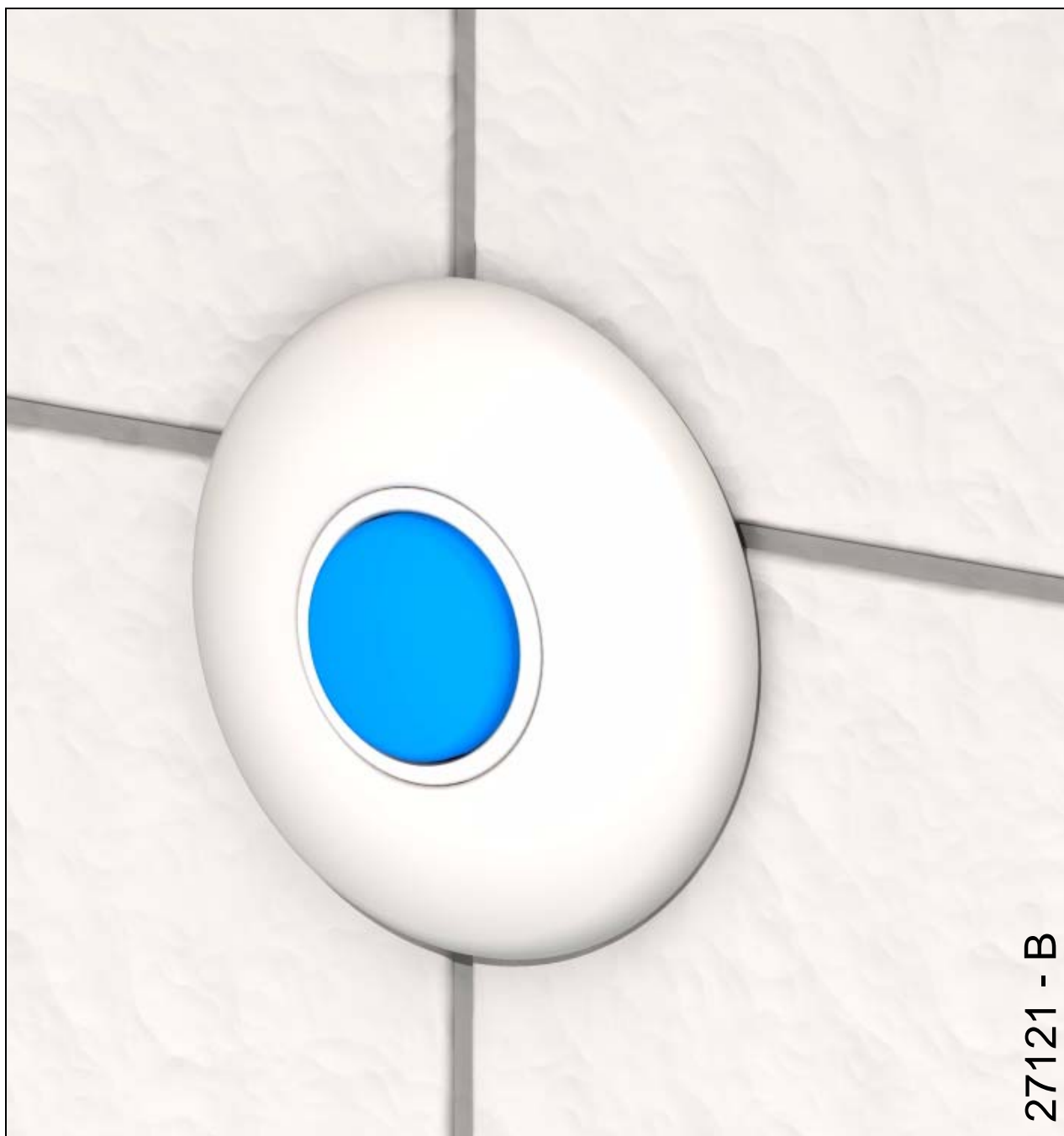


Air Button



Operator's Manual

Translation of the original



27121 - B

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1 General information

1.1 User information

This Operator's Manual makes it easier to become familiar with the device and make full use of its range of options.

It contains important information for operating the device, properly and economically.

Observing the instructions helps to avoid dangers, avoid repair costs and downtimes, increase reliability and extend the service life of the device.

The device is built according to the state of the art and recognised technical rules. Nevertheless, danger to life and limb of the operator or third parties, or damage to other property may arise during use.

1.2 Other applicable documents

Each centrifugal pump has various documents which belong together with the Technical Documentation for the device. They are:

- Operator's Manual for the device
- The Operator's Manual for the drive
- The Operator's Manual for the accessories listed in the specification
- Acceptance reports from TÜV, etc.
- Performance run report
- Assembly drawing (dimension sheet)
- Specification with all information

Not all the documents named above exist or are included in every case. Observe the information in the specification in this regard.

1.3 Safety instructions

- **Make certain before commissioning that the operating personnel have read and understood the Operator's Manual.** It is the owner rather than the operator who is responsible for safety!
- The safety requirements and laws for the use of the device which apply to the operating company and/or country in which it is operated must be observed.
- Use the device only when it is in flawless condition technically and according to its intended purpose. Be conscious of safety and dangers and observe all the instructions in this Operator's Manual!
- Eliminate all malfunctions that could have a detrimental effect on safety immediately.
- Notices placed directly on the centrifugal pump, such as the arrow for direction of rotation and identification of fluid connections, must always be observed and must be maintained in legible condition.
- The installation, operating, maintenance, and upkeep instructions in these Operating Instructions must be observed.

1.4 Proper use

The device is designed exclusively for installation into a complete machine or system in accordance with the original specification. Only values defined in the Technical Documentation or any other data assigned in the specification may be used for operation. Any other or more extensive use is considered improper use. The manufacturer shall not be liable for any resulting damage.

The manufacturer must always be consulted regarding adjustments for a new intended use.

1.5 Responsibilities of the operator






- The owner/operator must therefore take care to ensure
 - that the Operator's Manual is always available for operating personnel
 - That the safety instructions in this Operator's Manual are observed
- The operator must ensure that components are properly integrated and that the entire system has been approved in accordance with the Machinery Directive (98/37 EC).

1.6 Signs and symbols

The following notices are used in the Operator's Manual. They help you to recognize danger better.

Symbol

Meaning:

	Warning! Danger of death! This symbol warns you of dangers due to electrical current.
	Caution! Risk of injury! / Risk of damage! This symbol warns you of dangers due to mechanical effects.
	Important: This symbol warns you of actions that may damage or destroy the device.
	Note: This symbol refers you to information about financially efficient use of the device.
	Environment: This symbol refers you to information about working and disposing of waste in an environmentally responsible manner.

1.7 Disposal


Device:

Dispose of the device in accordance with local requirements for disposal of industrial waste.

2 Description of the device / technical data

2.1 Description of the device

The air button is designed for wall installation in public and private swimming pools. It is used to turn an electrical device on and off without using an electrical component inside the swimming pool. The switching pulse is initiated by a wave of pressure (when the switch is activated).

2.2 Technical data

Material for installation kit:	ABS / titanium
Preassembled unit material:	ABS / titanium
Dimensions of installation kit (brush-applied sealant flange):	Depth 51 mm (256 mm) - (200x200x6 mm)
Dimensions of assembly kit:	Ø 110 mm x 23 mm
Standard length (air hose)	5 m

3 Preparation for installation and assembly

3.1 Installation process - general information

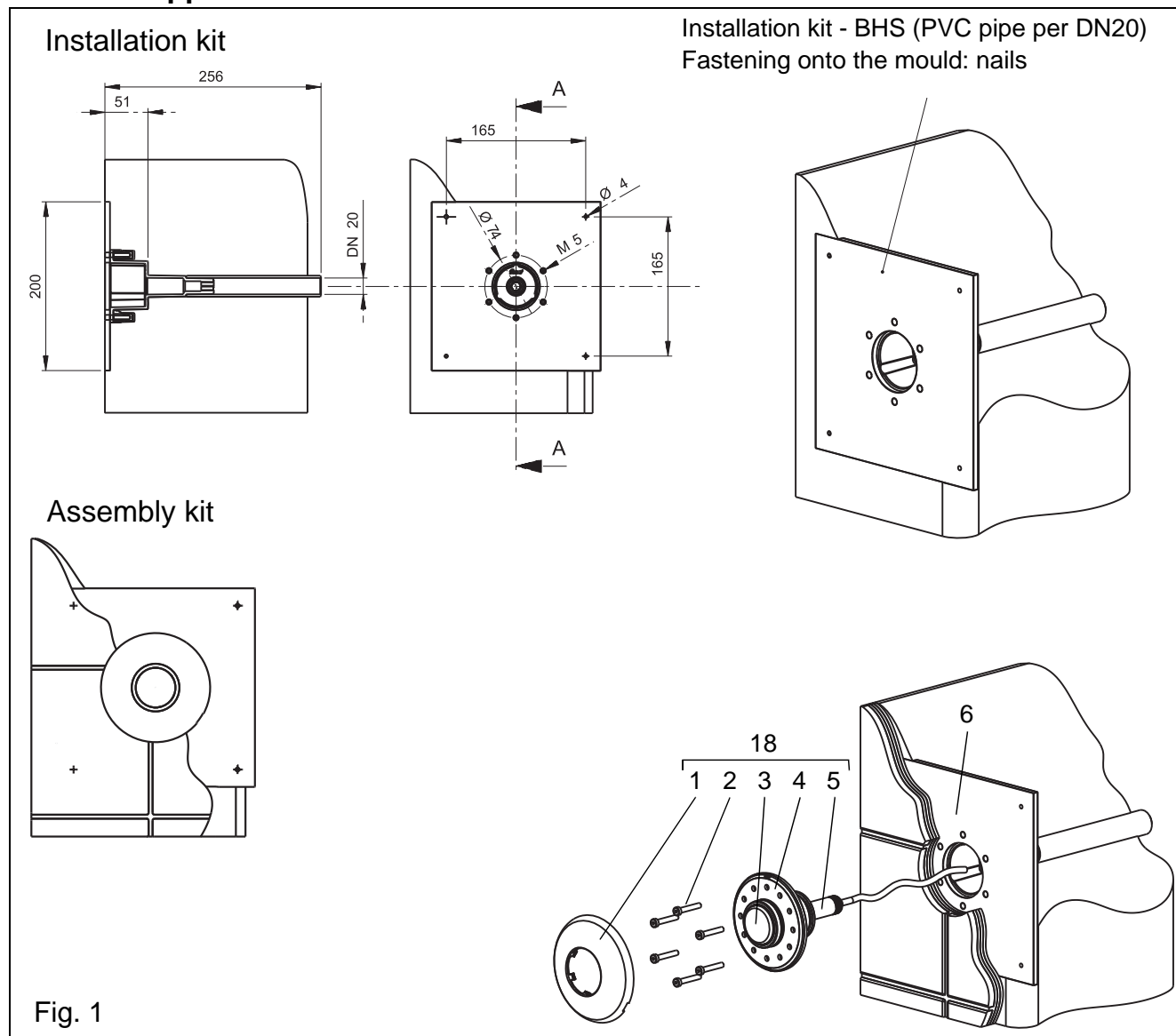


The distance from the air button to the control box should not exceed 25 m.



As the length of the air line or air hose increases, the response time of the switching signal also increases.

3.2 Installation process for concrete tile pools and/or pools with brush-applied sealant

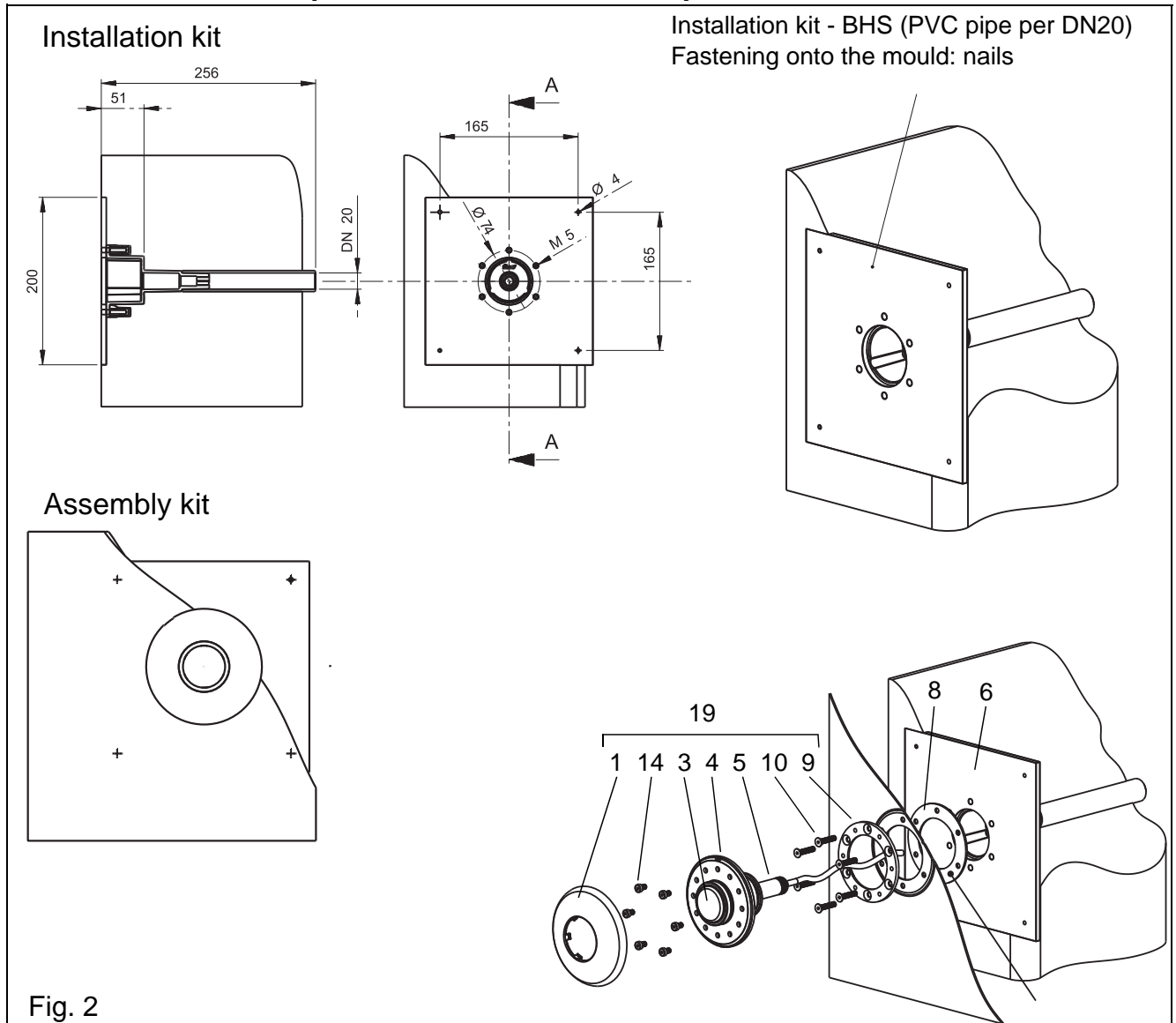


Assembly kit - complete with screws (M5) in 3.7035

Maximum compensation 25 mm - beyond this dimension an extension is required.

Item	Order No.	Name	Pieces	Comment
1	60500	Screen	1	
2	11033	Cylinder screw	6	M5x50 DIN 7984-3.7035
3	60501	Control button	1	
4	60502	Housing	1	
5	60507	Insert set - BHS	1	incl. O-rings
6	94700	Installation kit - BHS	1	
18	94600	Assembly kit - BS	1	

3.3 Installation process for concrete liner pool



Assembly kit - complete with screws (M5) and clamp gasket in 3.7035
Maximum compensation 25 mm - beyond this dimension an extension is required.

Item	Order No.	Name	Pieces	Comment
1	60500	Screen	1	
14	11034	Cylinder screw	6	M5x8 DIN 7984-3.7035
3	60501	Control button	1	
4	60502	Housing	1	
5	60507	Insert set - BHS	1	incl. O-rings
6	94700	Installation kit - BHS	1	
8	60506	Clamp gasket	1	PVC soft
9	60515	Clamp gasket	1	
10	11072	Counter-sunk screw	6	M5x25 DIN 965-3.7035
19	94602	Assembly kit - H	1	

3.4 Extension (for compensation >25 mm)

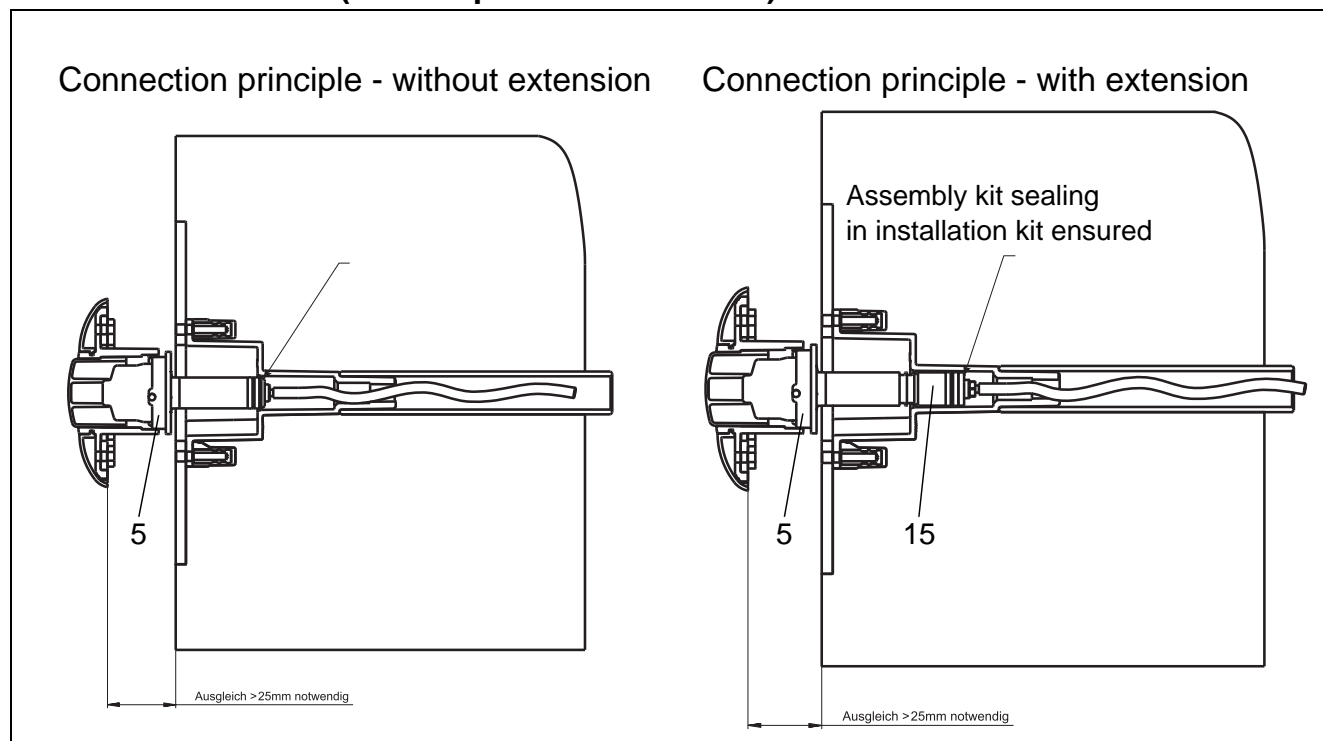


Fig. 3:

Item	Order No.	Name	Pieces	Comment
5	60507	Insert set - BHS	1	incl. O-rings
15	60505	Extension	1	25 mm long



Important:

When gluing the two parts together (installation kit item 5 and extension item 15) make certain that the air aperture remains open!

3.5 Installation process for pre-fabricated pool (installation kit)

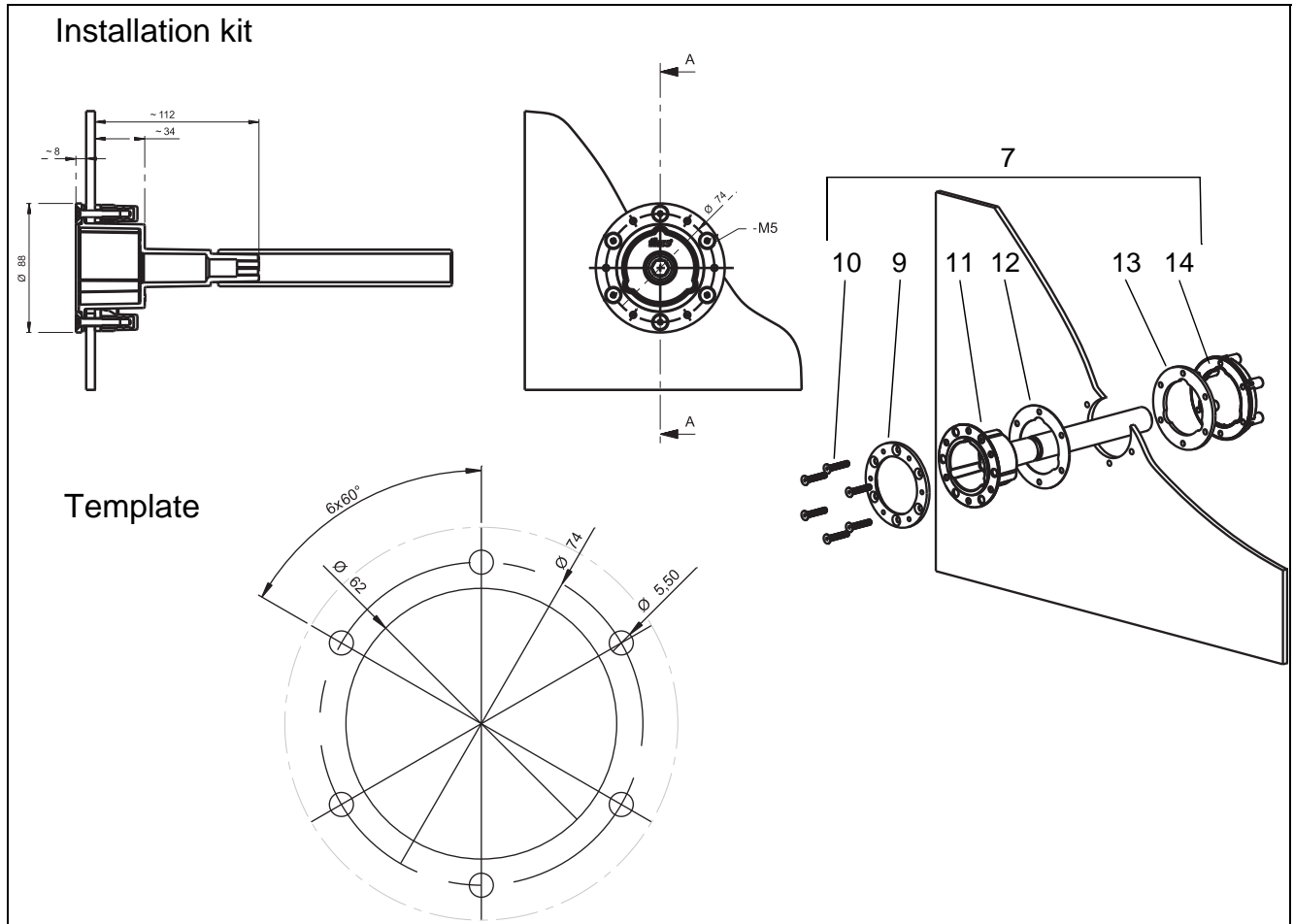


Fig. 4:

Item	Order No.	Name	Pieces	Comment
7	94701	Installation kit - A	1	
9	60515	Clamp gasket	1	
10	11072	Counter-sunk screw	6	M5x25 DIN 965-3.7035
11	60519	Installation housing - A	1	
12	60516	Clamp gasket	1	EPDM
13	60517	Clamp gasket	1	EPDM foam
14	60509	Hold-ring	1	M5-3.7035

3.6 Installation process for pre-fabricated pool (assembly kit)

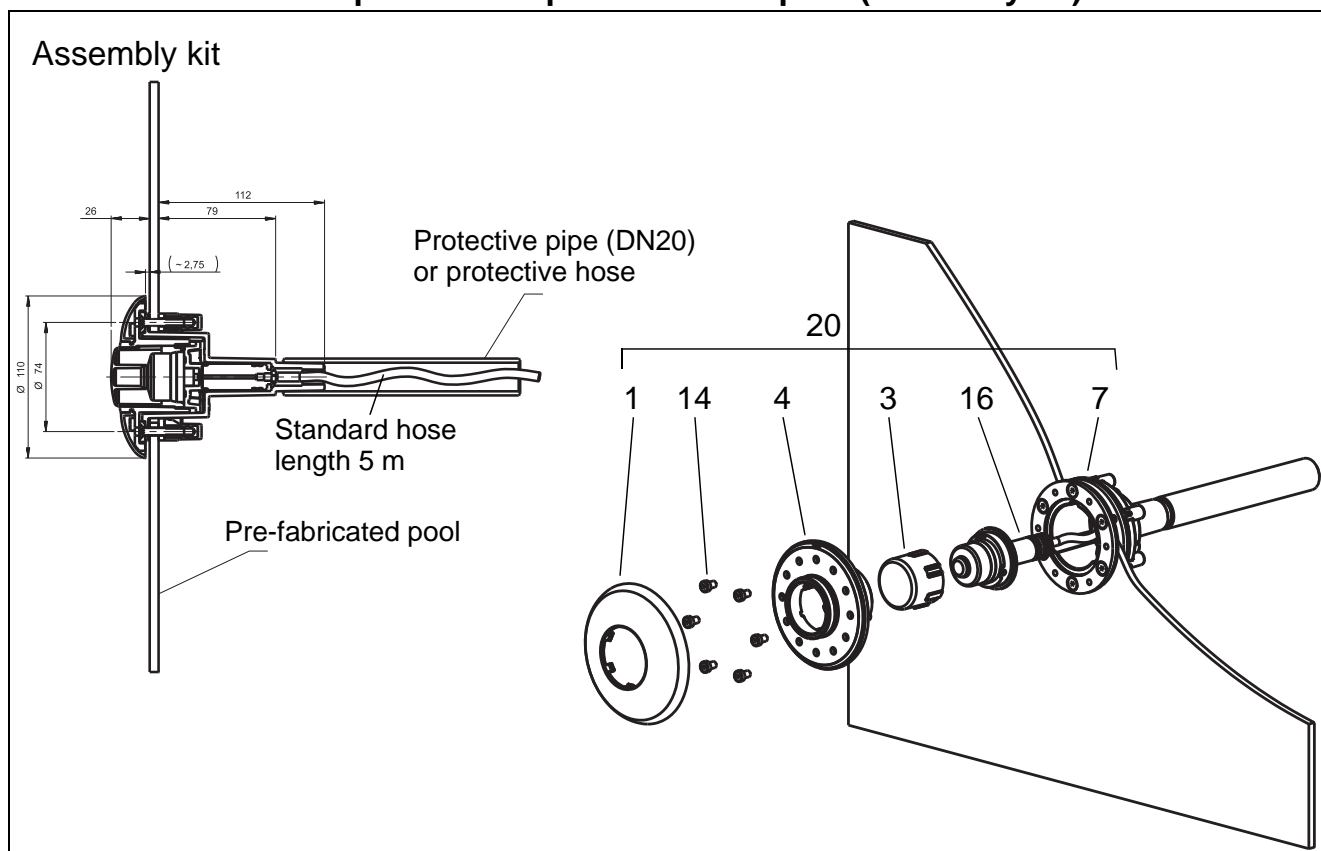


Fig. 5:

Item	Order No.	Name	Pieces	Comment
1	60500	Screen	1	
3	60501	Control button	1	
4	60502	Housing	1	
7	94701	Installation kit - A	1	
14	11034	Cylinder screw	6	M5x8 DIN 7984-3.7035
16	60518	Insert set - A	1	incl. O-rings
20	94601	Assembly kit - A	1	

3.7 Installation process - subsequent installation

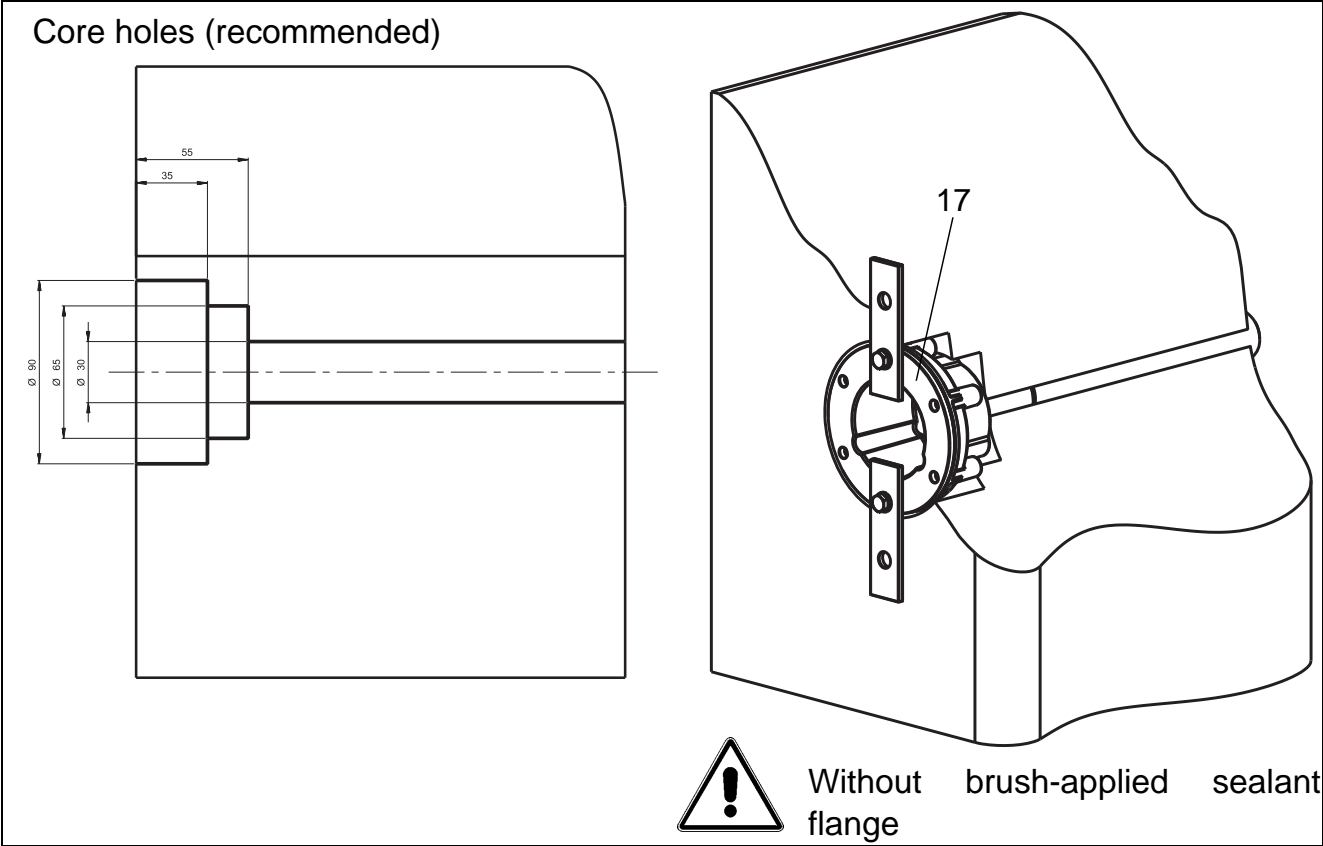


Fig. 6:

Item	Order No.	Name	Pieces	Comment
17	94702	Installation kit - N	1	



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