

# Technical Product Informations

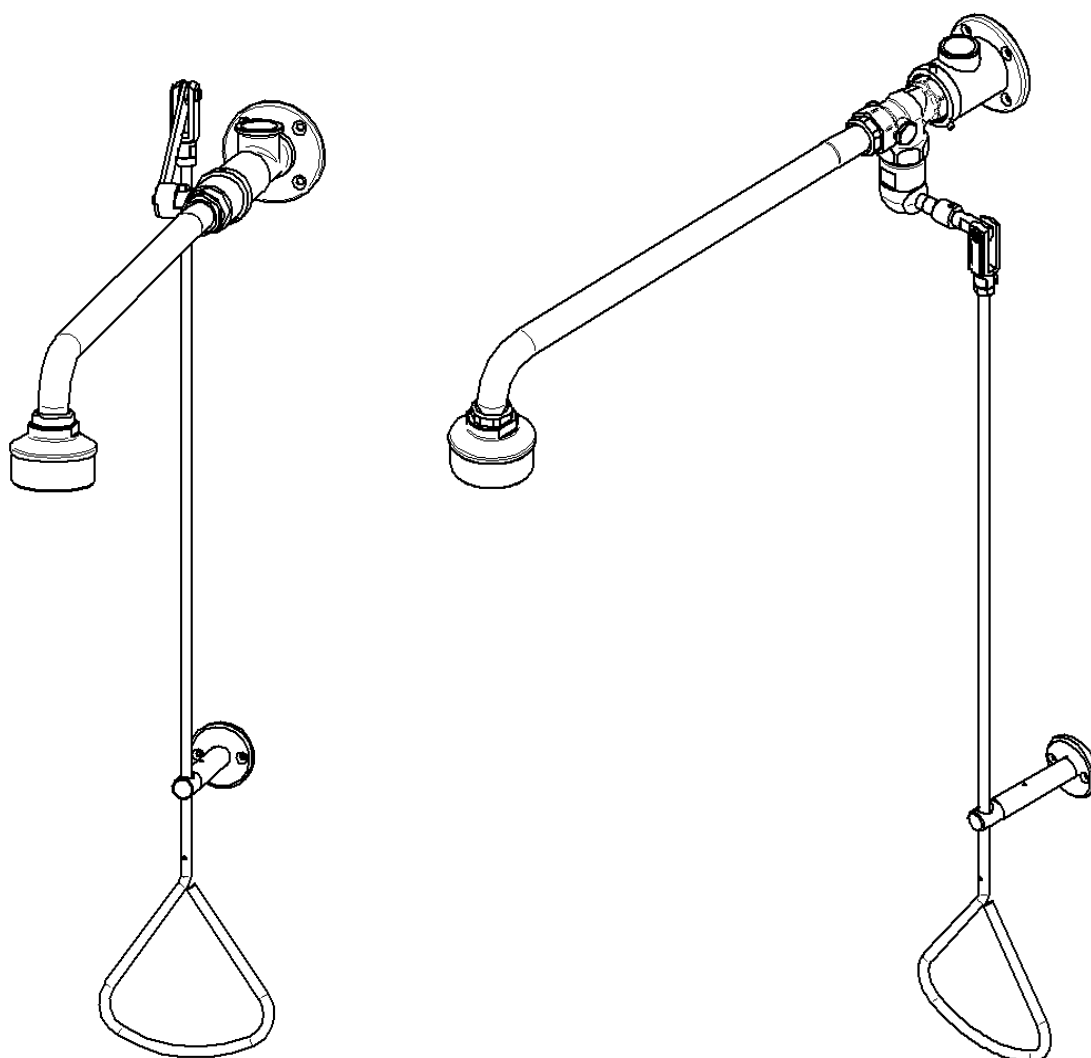
## **NOVALAB safety shower with pull-rod operation;**

### **With ball valve**

Article number: 70174035... (5 jets) / 70174535... (7 jets)

### **With toggle valve**

Article number: 60184035... (5 jets) / 60184535... (7 jets)





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### 1. Guarantee

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In the event of functional or material faults, we shall be liable within the scope of our General Terms and Conditions of Sale and Delivery. Further claims are excluded. We reject any guarantee claims in the event of improper handling, installation, frost effects, contamination and improper use.  
Only use original spare parts!

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## 2. Important notices

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- Installation, commissioning and maintenance may only be carried out by a specialist in accordance with these instructions.
- The legal regulations and the technical connection conditions of the local water supply company must be observed.
- Before installation, the pipes must be flushed in accordance with DIN 1988.
- Suitable cleaning agents that do not attack the fitting must be used properly and removed after use.
- Install the body shower in accordance with DIN EN 15 154 Part 1.
- The body shower must be checked once a month to ensure that it is functioning properly. (According to BGI/GUV-I 850-0 "Safe working in laboratories" as successor to BGR 120).
- The pull rod offers the possibility of sealing.
- Subject to change without notice.
- The illustrations and descriptions are based on the variant with ball valve (701740/45 35). Deviations for the variant with toggle valve (601840/45 35) are marked accordingly.

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## 3. Application

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NovaLab body showers are first aid equipment that is prescribed for workplaces where hazardous substances are handled.  
Mandatory installation at exits.

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## 4. Technical specifications

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Maximum static pressure: 10 bar

|            |                    |                                       |
|------------|--------------------|---------------------------------------|
| Flow rate: | 70174035 (5 jets): | ca. 30l/min at 1 bar Dynamic pressure |
|            | 60184035           | ca. 45l/min at 3 bar Dynamic pressure |
|            | 70174535 (7 jets): | ca. 50l/min at 1 bar Dynamic pressure |
|            | 60184535           | ca. 80l/min at 3 bar Dynamic pressure |

Water connection: G ¾ female thread

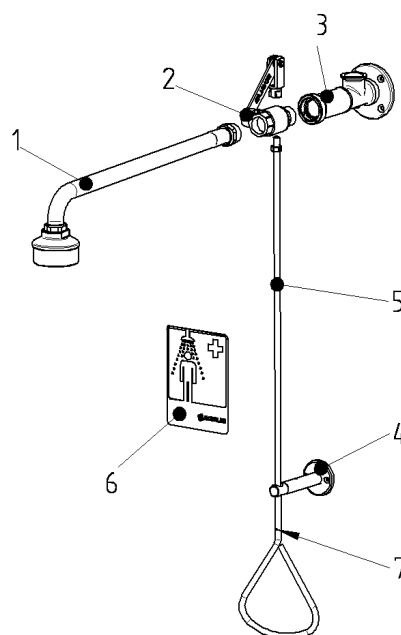
Mounting height: Lower edge of shower head (220 ± 10) cm above the floor according to DIN EN 15 154 Part 1 (as well as DIN 12 899 Part 1)



## 5. Scope of delivery

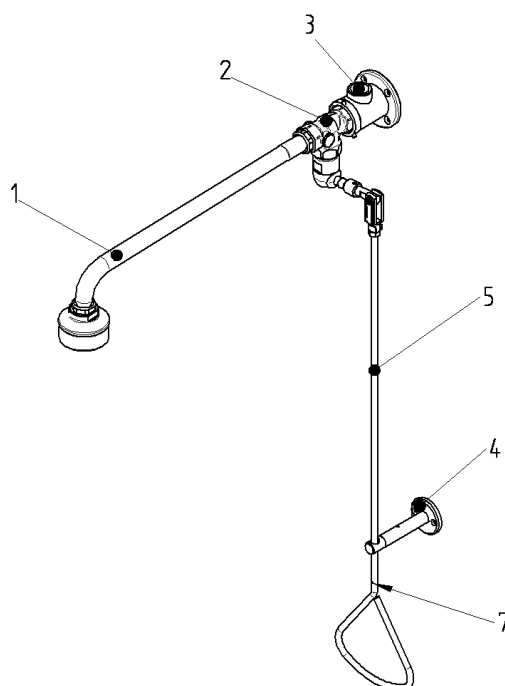
### 701740/45 35

| Pos. | Pc. | Designation                         |
|------|-----|-------------------------------------|
| 1    | 1   | Emergency shower head & wall arm    |
| 2    | 1   | Ball valve                          |
| 3    | 1   | Wall plate                          |
| 4    | 1   | Guide                               |
| 5    | 1   | Pull rod                            |
| 6    |     | Accessories                         |
|      | 2   | Clamping plate screw 4 x 40         |
|      | 2   | Fischer dowel S6 GK                 |
|      | 4   | Clamping plate screw 5 x 50         |
|      | 4   | Fischer dowel S8                    |
|      | 1   | Emergency sign                      |
| 7    | 1   | Possibility of sealing              |
|      | 1   | Assembly and operating instructions |



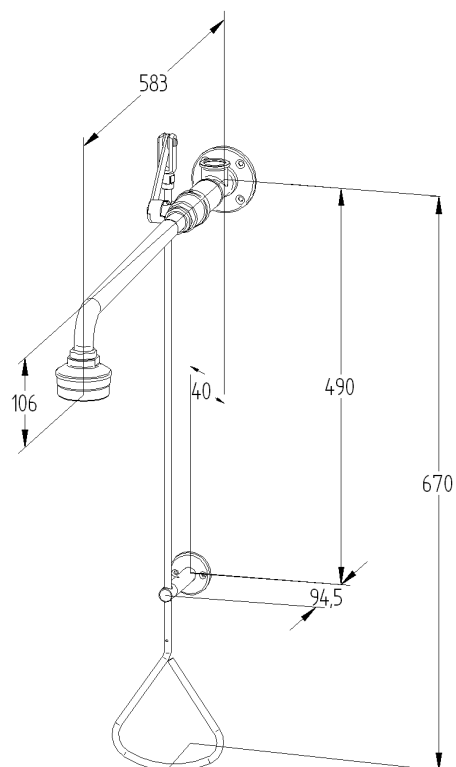
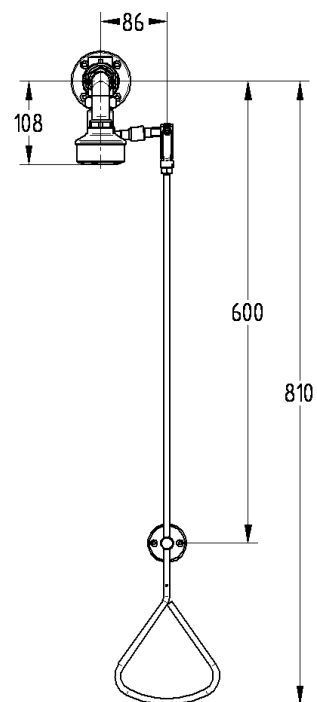
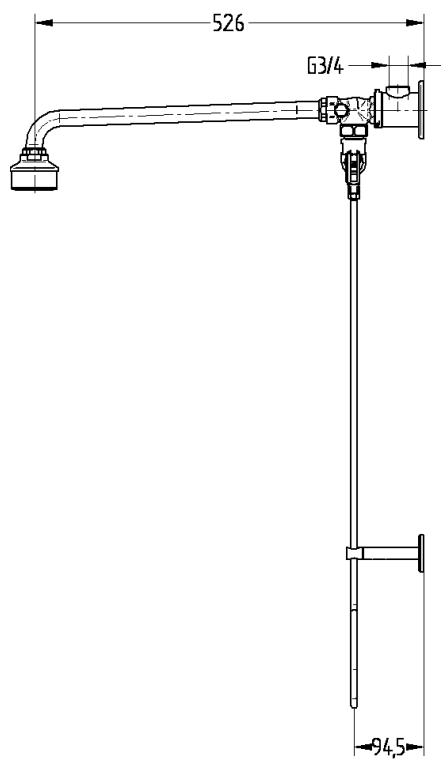
### 601840/45 35

| Pos. | Pc. | Designation                         |
|------|-----|-------------------------------------|
| 1    | 1   | Emergency shower head & wall arm    |
| 2    | 1   | Toggle valve                        |
| 3    | 1   | Wall plate                          |
| 4    | 1   | Guide                               |
| 5    | 1   | Pull rod                            |
| 6    |     | Accessories                         |
|      | 2   | Clamping plate screw 4 x 40         |
|      | 2   | Fischer dowel S6 GK                 |
|      | 4   | Clamping plate screw 5 x 50         |
|      | 4   | Fischer dowel S8                    |
|      | 1   | Emergency sign                      |
| 7    | 1   | Possibility of sealing              |
|      | 1   | Assembly and operating instructions |



## 6. Dimensions

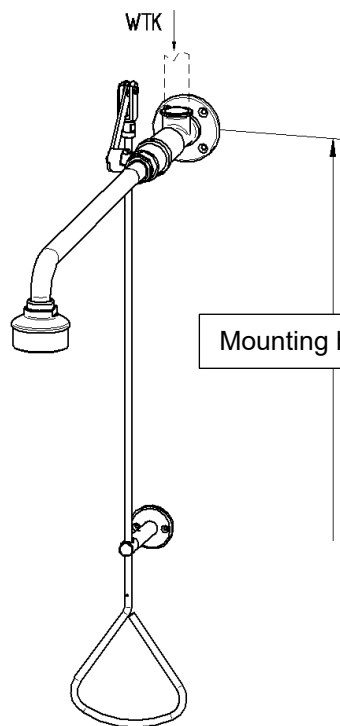
601840/45 35



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## 7. Installation example

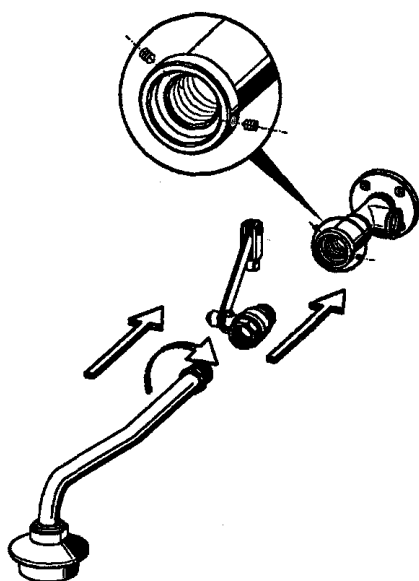
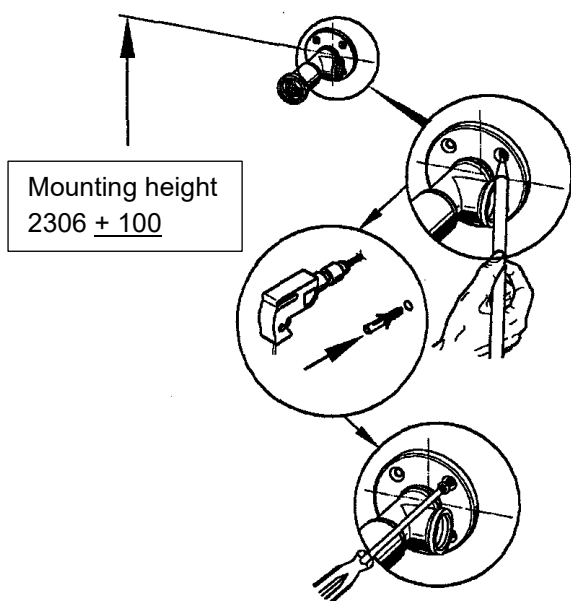
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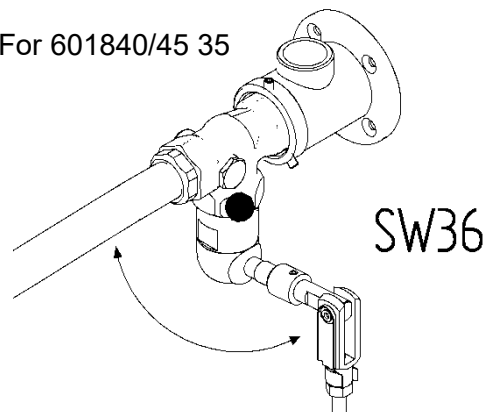
The water connection can be made on all sides.

Connection G3/4  
female thread

## 8. Mounting



For 601840/45 35



- 8.1 Align the wall plate at a height of 2306 ± 100 mm above the finished floor according to the water supply and mark the drill holes.

The water connection can be made on all sides.

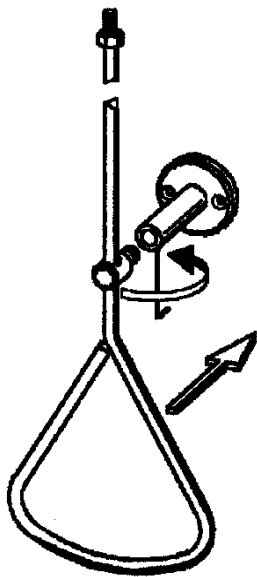
- 8.2 For 701740/45 35:  
Screw in the closed ball valve sealed as far as possible and bring it into position as follows:

► The tap spindle must point to the left (not to the ceiling)..

► The movement of the tap lever must be aligned at 90° to the wall (surface of the wall plate)..

For 601840/45 35:  
Screw in the toggle valve sealed, aligning the toggle valve head downwards. If the pull rod is to be placed on the left side of the fitting, then loosen nut SW36, turn the upper part 180 and tighten nut SW36. The lever must be aligned parallel to the wall

- 8.3 Secure the ball valve or the toggle valve with both setscrews SW 2.5..
- 8.4 Seal in the emergency shower head with the wall arm and put it in position.



8.5 Place the pull rod guide on the wall bracket and fix it with the setscrew SW1.5.

8.7 Screw the pull rod into the fork head of the ball valve or toggle valve and lock it with the nut SW13.

8.9 Mark the holes for the pull rod bracket 40 mm above the triangle handle.

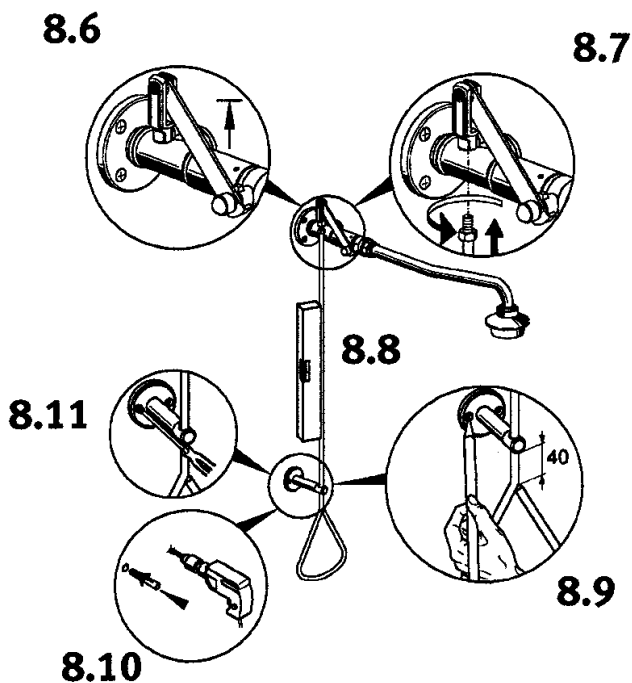
8.10 Drill according to the markings ( $\varnothing$  6 mm) and insert the S6 dowels.

► Depending on the nature of the wall, special dowels (not included in delivery) may have to be used.

8.11 Screw on the guiding support.

8.12 Establish the water connection.

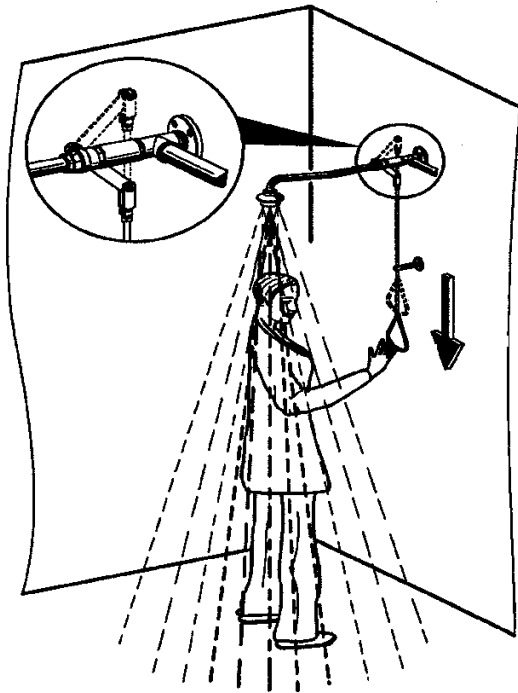
8.13 If necessary, seal the pull rod.



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## 9. Function

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► The valve is not self-closing!

- 9.1 Push the pull rod (triangle handle) up to the starting position after using the body shower!

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## 10. Troubleshooting

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| Malfunction            | Cause                                                                                                                                             | Remedy                                                    |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| No water flows         | - Water supply interrupted                                                                                                                        | → Restore                                                 |
| Pull rod sticks        | - Ball valve or toggle valve not correctly aligned<br>- Pull rod or handle bent<br>- Ball valve running heavily<br>- Toggle valve running heavily | → Align<br>→ Align<br>→ Replace<br>→ Replace headwork     |
| Body shower head drips | - Ball valve faulty<br>- Toggle valve: seal dirty / damaged                                                                                       | → Replace<br>→ Remove headwork, clean / replace the seal. |

If a malfunction cannot be remedied or is not listed in the above table, please notify our customer service.

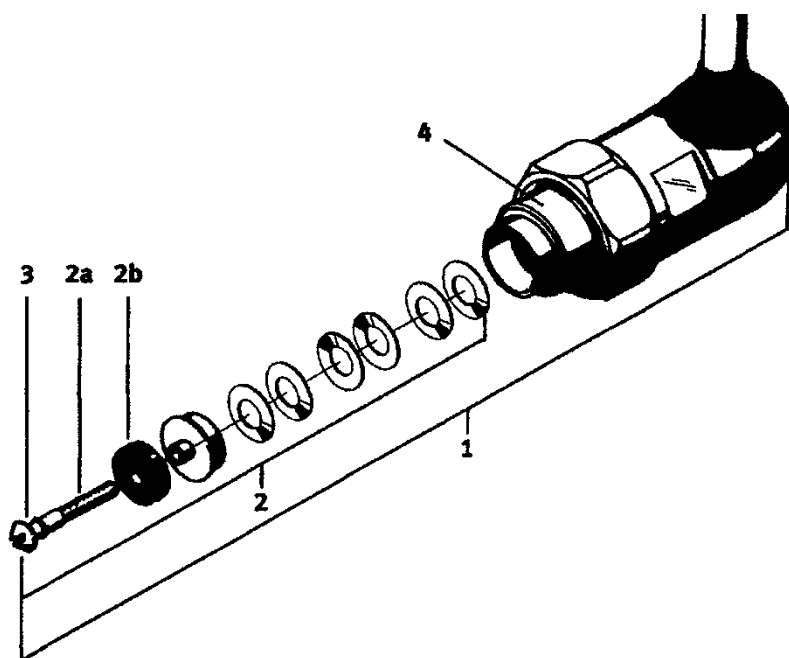
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## 11. Spare parts

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| Designation                   | Part number |
|-------------------------------|-------------|
| Ball valve                    | 87-10080192 |
| Toggle valve with valve lever | 87-10080246 |
| Headwork for toggle valve     | 87-10080237 |

Individual spare parts of the Headwork under specification of the item number on request.



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## 12. Contact

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### Hotline

NovaLab GmbH  
Brunsbütteler Damm 446  
D-13591 Berlin  
Phone: +49 (0) 30 . 36 403 36 0  
Fax: +49 (0) 30 . 36 403 36 28  
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