



Manufacturer of shut-off and control valves

TECHNICAL DATA SHEET

**Loose flange adhesive ELEPHANT FLF1-UPVC
DN50-200 10 bar**



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1. GENERAL INFORMATION ABOUT THE PRODUCT

1.1. Product name: Loose flange adhesive ELEPHANT FLF1-UPVC DN50-200 10 bar.

1.2. Purpose: Flanges are designed to connect fittings to pipelines, connect individual sections of pipelines to each other, and connect pipelines to various equipment.

1.3. Description: UPVC (unplasticized polyvinyl chloride) has high chemical resistance, but is sensitive to impact loads, especially at low temperatures. Installation should exclude mechanical stress in the pipeline to prevent damage to the body. The material is subject to aging and cracking under prolonged exposure to UV radiation.

It is recommended to use flanges indoors or apply protective covers/coatings for outdoor installation. UPVC is resistant to most acids, alkalis, salts and aqueous solutions, which contributes to an increased service life of the fittings. However, the material is not recommended for use with aromatic hydrocarbons, chlorinated solvents and a number of organic compounds.



2. KEY TECHNICAL DATA AND CHARACTERISTICS

Table 1. Key parameters

Nominal diameter DN, mm	50-200
Nominal pressure, bar	10
Working environment temperature, °C	from 0 to +45
Working environment	water, air without impurities of oil and fat, ethylene glycol, propylene glycol, other media neutral to materials
Material	UPVC
Average service life, years	30 (in a non-aggressive environment and average pressure and temperature values)



3. WEIGHT AND DIMENSIONAL PARAMETERS

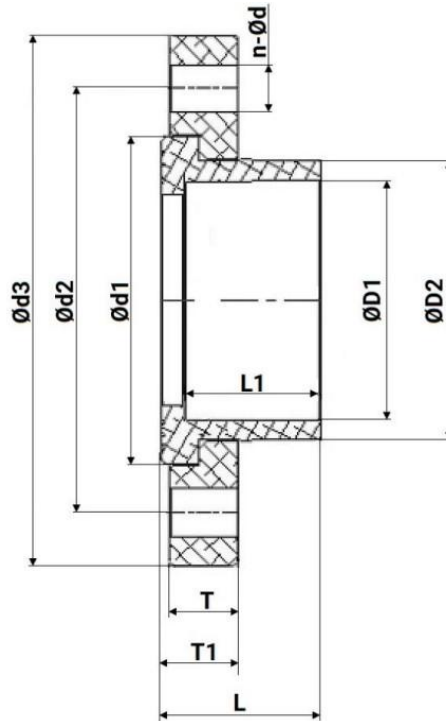


Table 2.1. Dimensions

	$\varnothing D1$, mm	$\varnothing D2$, mm	$\varnothing d1$, mm	$\varnothing d2$, mm	$\varnothing d3$, mm	$n-\varnothing d$, pcs-mm
DN50	63,5	75,5	90,5	125	166	4-18
DN65	75,5	89	109	145	185	4-18
DN80	90,6	105	123,5	160	200	8-18
DN100	110,6	127	141	180	219	8-18
DN125	140,7	161	180,5	210	250	8-18
DN150	160,8	184	204	240	285	8-22
DN200	226	253,5	269	295	339	8-22



Table 2.2. Dimensions

	T, mm	T1, mm	L1, mm	L, mm	Weight, kg
DN50	20	23	37,5	44,5	0,5
DN65	23	25	44	51	0,69
DN80	26	29	52	60	0,93
DN100	28	31	61	70	1,17
DN125	33	36	76	85	1,65
DN150	34	36	86	95	2,34
DN200	35	40	118	129	3,69

4. TRANSPORTATION AND STORAGE CONDITIONS

4.1. When transporting flanges, packaging must ensure protection of sealing surfaces and edges, safety and convenience during loading and unloading operations and transportation of flanges.

4.2. Transportation of flanges without packaging is permitted, provided that their safety, protection of sealing surfaces and edges for welding are ensured.

5. DISPOSAL

5.1. Disposal of the product (remelting, burial, resale) is carried out in accordance with the procedure established at the enterprise.



6. WARRANTY OBLIGATIONS

6.1. Warranty period - 12 months from the date of commissioning, but not more than 18 months from the date of sale.

6.2. The warranty applies to equipment installed and used in accordance with the installation instructions and product specifications described in this data sheet.

6.3. The manufacturer guarantees compliance of the product with safety requirements, provided that the consumer complies with the rules of transport, storage, installation and operation.

6.4. The warranty covers all defects caused by the fault of the manufacturer.

6.5. The warranty does not apply:

- parts and materials of the product subject to wear and tear;
- for cases of damage caused by:
 - modifications to the original design of the product;
 - violation of general installation recommendations;
 - faults caused by improper maintenance and storage; improper operation and use of the equipment.

7. WARRANTY TERMS

7.1. Claims to the quality of the goods may be made during the warranty period.

7.2. Defective products are repaired or exchanged for new ones free of charge during the warranty period. ELEPHANT decides whether to replace or repair the product. The replaced product or its parts resulting from the repair shall become the property of 'ELEPHANT'.

7.3. Costs related to dismantling, installation and transport of the defective product during the warranty period shall not be reimbursed to the Buyer.

7.4. If the claim is unfounded, the Buyer shall pay the costs of diagnostics and expertise of the product.

7.5. Products are accepted for warranty repair (as well as for return) fully assembled.



WARRANTY CARD № _____

№	Product Name	Packs

Name and address of the trading organisation _____

Date of sale _____ Seller's signature _____

Stamp or seal of the trading organisation _____

Acceptance stamp _____

I agree with the terms and conditions of the warranty:

Buyer _____ (signature)

Warranty period - 12 months from the date of commissioning, but not more than 18 months from the date of sale.

For warranty repairs, complaints and product quality claims, please contact ELEPHANT at: Carrer d'Aragó, 264, 3-1, 08007 Barcelona, Spain. E-mail address: sales@valveelephant.com.

When making a complaint about the quality of goods, the buyer shall present the following documents:

1. A free-form application, which shall specify:

- name of the organisation or full name of the buyer, actual address, contact telephone numbers;
- name and address of the organisation that carried out the installation;
- basic parameters of the system in which the product was used;
- a brief description of the defect.

2. Document confirming the purchase of the product (delivery note, receipt)..

3. Act of hydraulic test of the system in which the product was installed.

4. This completed warranty card.

A note on the return or exchange of goods _____

Date: « ____ » _____ 202__ yr. Caption _____

