



PROFACTOR®
DER DEUTSCHE QUALITÄTSSTANDARD

EN

TECHNICAL DATA SHEET AND USER MANUAL



PRODUCT CODE

PF WFH 528.30 –
PF WFH 528.120
PF WFH 528.50A –
PF WFH 528.120A
PF WFH 592.30 –
PF WFH 529.120
PF WFH 529.50A –
PF WFH 529.120A

**ANTI-VIBRATION
FLEXIBLE HOSE**

1. PURPOSE AND SCOPE

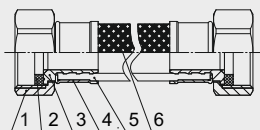
The PROFACOR® anti-vibration flexible hose with stainless steel braiding is used for connection to water supply systems, including pumps, water heaters, storage tanks, filtration units, and other systems that require a high flow rate of liquid.

2. TECHNICAL SPECIFICATIONS

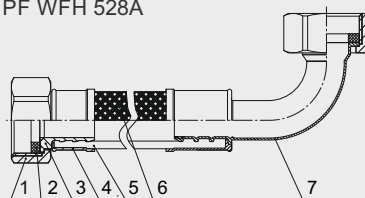
Product Code	PF WFH	528.30 – 528.120	528.50A – 528.120A	529.30 – 529.120	529.50A – 529.120A
Connection thread	G	1"Fx"F		1"Fx1"M	
Nominal pressure	bar	30			
Operating fluid range	°C	–10°C to +90°C			
Maximum pressure	bar	45			
Flow rate at ΔP = 3 bar	L/min	196			
Working medium	—	Water; 50% glycol solutions			
Minimum bending radius	mm	100			
Inner hose diameter	mm	19			
Outer hose diameter	mm	25			
Outer diameter of connection	mm	26 ± 0,3			
Nut size	mm	35			
Average service life	years	15			

3. DESIGN

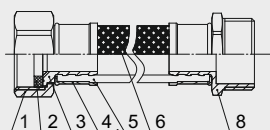
PF WFH 528



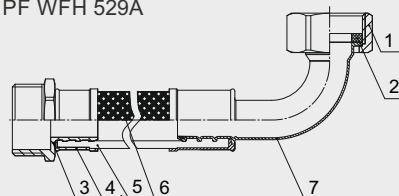
PF WFH 528A



PF WFH 529



PF WFH 529A



Pos.	Name	Material	Standard
1	Connection union nut	Nickel-plated brass CW617N	DIN EN 12165
2	Sealing gasket	Nitrile butadiene rubber (NBR)	—
3	Fitting	Nickel-plated brass CW617N	DIN EN 12165
4	Compression sleeve	Stainless steel AISI 304	—
5	Inner tube (hose)	Ethylene propylene rubber (EPDM)	—
6	Outer braiding — 10 stainless steel wires Ø0.2 mm	Stainless steel AISI 304	—
7	Angle fitting	Stainless steel AISI 304	—
8	Fitting	Nickel-plated brass CW617N	DIN EN 12165

4. NOMENCLATURE AND DIMENSIONS

Flexible hose 1", d26 mm, F/F

Product Code	Length, cm	Diameter, mm	Packaging, pcs.	Weight, g
PF WFH 528.30	30	26	50	275
PF WFH 528.40	40	26	50	320
PF WFH 528.50	50	26	50	370
PF WFH 528.60	60	26	50	410
PF WFH 528.80	80	26	40	500
PF WFH 528.100	100	26	40	590
PF WFH 528.120	120	26	40	680

Flexible hose 1" with angled outlet, d26 mm, F/F

Product Code	Length, cm	Diameter, mm	Packaging, pcs.	Weight, g
PF WFH 528.50A	50	26	50	350
PF WFH 528.60A	60	26	50	400
PF WFH 528.80A	80	26	40	490
PF WFH 528.100A	100	26	40	580
PF WFH 528.120A	120	26	40	670

Flexible hose 1", d26 mm, F/M

Product Code	Length, cm	Diameter, mm	Packaging, pcs.	Weight, g
PF WFH 529.30	30	26	50	260
PF WFH 529.40	40	26	50	305
PF WFH 529.50	50	26	50	350
PF WFH 529.60	60	26	50	390
PF WFH 529.80	80	26	40	480
PF WFH 529.100	100	26	40	585
PF WFH 529.120	120	26	40	675

Flexible hose 1" with angled outlet, d26 mm, F/M

Product Code	Length, cm	Diameter, mm	Packaging, pcs.	Weight, g
PF WFH 529.50A	50	26	50	335
PF WFH 529.60A	60	26	50	380
PF WFH 529.80A	80	26	40	470
PF WFH 529.100A	100	26	40	565
PF WFH 529.120A	120	26	40	650

5. INSTALLATION AND OPERATION

The installation of anti-vibration flexible hoses must be carried out only by qualified personnel who possess the necessary authorizations and licenses for this type of work.

If the hose has been stored at sub-zero temperatures, it should be kept at room temperature for at least one hour before installation.

Before installation, perform a visual inspection of the hose to ensure: proper compression sleeve quality, good condition of the end fittings, presence of the sealing gasket, no thread damage, braid integrity, and absence of any defects caused by storage or transportation. Installation of hoses with visible defects is not permitted.

PROFACTOR® anti-vibration flexible hoses must be operated within the pressure and temperature limits specified in the Technical Specifications (p. 2).

Ensure free access to the end fittings for installation and inspection.

Do not subject the hose to mechanical loads such as twisting, stretching, or bending during transportation, installation, or operation.

When tightening the end fittings, apply a torque of no more than 40 Nm. This corresponds to hand-tightening the union nut followed by an additional ¼ turn with a wrench if necessary. Tighten slightly in case of leakage.

Do not use sealing flax, expanding sealants, or excessive layers of PTFE-tape when installing the fittings. The sealing of the union nuts must be ensured by the gasket supplied with the product.

The hose must not be installed under tension.

After installation, inspect for water leaks within 30 minutes. If a leak is detected, gently tighten the connection.

Operation of the hose at sub-zero temperatures or near open flames is prohibited.

Every 6 months, perform a visual inspection of the hose and check the tightness of the end fittings — no leaks are permitted.

Avoid exposing the hose to mineral oils, solvents, or direct sunlight.

6. STORAGE AND TRANSPORT CONDITIONS

The products must be stored in the manufacturer's original packaging, in a straightened position at temperatures from -20°C to $+50^{\circ}\text{C}$.

Transportation must be carried out. During storage and transportation, the hose must be protected from direct sunlight.

7. WARRANTY OBLIGATIONS

The warranty period is 24 months from the date of sale to the end consumer. Throughout the entire warranty period, the manufacturer guarantees the proper functioning of the product and its compliance with safety requirements, provided that the consumer follows the rules for storage, transportation, installation, operation, and maintenance of the product. The warranty covers all defects arising through the manufacturer's fault.

The warranty does not cover defects resulting from:

- Violation of storage, transportation, installation, operation, or maintenance conditions;
- Exposure to substances aggressive to the materials of the product;
- Signs of mechanical damage;
- Damage caused by fire, natural disasters, or other force majeure circumstances;
- Damage caused by improper actions of the user;
- Evidence of unauthorized interference with the product design.

The product described in this technical manual is a technically complex device that must be installed by a qualified specialist with appropriate experience working with this type of equipment.

Installation and commissioning must be carried out by an authorized and certified company.

Profactor Armaturen GmbH reserves the right to make changes to the product design that do not affect its technical characteristics or functional features.

8. WARRANTY SERVICE CONDITIONS

Claims regarding product quality may be submitted within the warranty period.

If a claim is found to be unjustified, the costs of diagnostics and product inspection shall be borne by the Buyer.

When submitting a warranty claim, the Buyer must provide the following documents:

Application letter in free form, containing:

- the name of the organization or full name of the buyer;
- the actual address of the buyer and contact phone number;
- the name and address of the company that performed the installation;
- the address of the product installation site;
- a brief description of the defect.

Document confirming the purchase of the product (invoice, receipt);

Photographs of the defective product installed in the system;

Hydraulic test report of the system in which the product was installed;

Copy of the warranty certificate with all fields duly completed.

Representatives of the Warranty Service Organization may request additional documents to determine the cause of failure and assess the extent of damage.



INTERNATIONAL WARRANTY CARD

NAME OF THE PRODUCT

PRODUCT CODE, SIZE

QUANTITY

SELLER NAME AND ADDRESS

DATE OF PURCHASE

SELLER STAMP

SELLER SIGNATURE

For the warranty term refer to the Warranty obligation clause in the technical manual

FOLD LINE

FOLD LINE

In case of any claims to the product quality the following documents should be submitted:

1. Application with customer and product details:

- Name of the customer, actual address and phone number
- Article of the product
- Reason for the claim and photo
- Plumbing system where installed (name, address, phone number)

2. Invoice copy and receipt

3. Warranty card

RETURN/EXCHANGE COMMENTS

DATE

SIGNATURE



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