



PROFACTOR®
DER DEUTSCHE QUALITÄTSSTANDARD

EN

TECHNICAL DATA SHEET AND USER MANUAL



PRODUCT CODE

PF WFH 520.30 –
PF WFH 520.300
PF WFH 521.30 –
PF WFH 521.300
PF WFH 522.30 –
PF WFH 522.200
PF WFH 526.30 –
PF WFH 526.100

FLEXIBLE HOSE

1. PURPOSE AND SCOPE

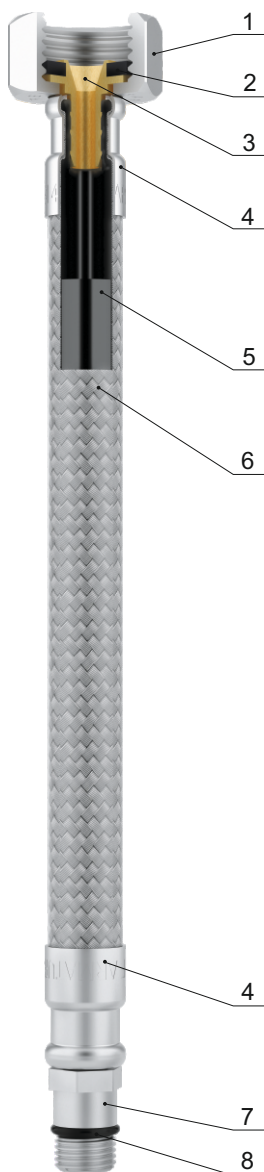
The flexible hose PROFACTOR® with stainless steel braiding is used for connecting sanitary fittings and plumbing fixtures (taps, toilets, bidets, shower cabins, mixers), as well as for supplying water to household appliances (water heaters, washing machines, dishwashers, pumps, etc.).

It is not intended for use in continuous flow mode as a replacement for pipelines.

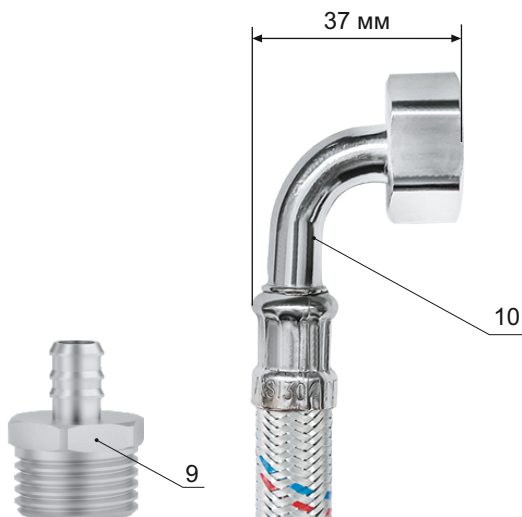
2. TECHNICAL SPECIFICATIONS

Product Code	PF WFH	520.30 – 520.300	521.30 – 521.300	526.30 – 526.100	522.30 – 522.200
Connection thread	G	1/2"Fx1/2"F	1/2"Fx1/2"M	1/2"Fx1/2"F	1/2"FxM10X1
Working pressure	atm	20			
Maximum temperature	°C	95			
Test pressure	atm	80			
Flow rate at 3 atm	L/min	33			25
Minimum bending radius	mm	65			50
Inner hose diameter	mm	8,5			7,2
Outer hose diameter	mm	12,7			10,7
Outer connector diameter	mm	13,4 ± 0,3			11,4 ± 0,3
Average service life	years	15			

3. DESIGN



- 1 – Connection nut
- 2 – Sealing gasket
- 3 – Connecting core
- 4 – Compression sleeve
- 5 – Inner tube (hose)
- 6 – Outer braid of 7 stainless steel wires
- 7 – Mixer connection nipple
- 8 – O-ring
- 9 – Connection nipple
- 10 – Connection nipple with angled outlet



Pos.	Name	Material	Standard
1	Connection union nut	Stainless steel AISI 304	—
2	Sealing gasket	Synthetic rubber (NBR)	—
3	Connecting core	Brass CW617N	—
4	Compression sleeve	Stainless steel AISI 304	—
5	Inner tube (hose)	Synthetic rubber (EPDM)	—
6	Outer braid of 7 stainless steel wires Ø0.2 mm	Stainless steel AISI 304	—
7	Mixer connection nipple 17 mm / 45 mm	Nickel-plated brass CW617N	DIN EN 12165
8	O-ring	Synthetic rubber (EPDM)	DIN ISO 3601
9	Connection nipple	Nickel-plated brass CW617N	DIN EN 12165
10	Connection nipple with angled outlet	Nickel-plated brass CW617N	DIN EN 12165

4. NOMENCLATURE AND DIMENSIONS

Flexible hose 1/2", F/F

Product Code	Length, cm	Packaging, pcs.	Weight, g
PF WFH 520.30	30	300	98
PF WFH 520.40	40	250	117
PF WFH 520.50	50	200	136
PF WFH 520.60	60	200	153
PF WFH 520.80	80	120	188
PF WFH 520.100	100	100	219
PF WFH 520.120	120	100	258
PF WFH 520.150	150	60	313
PF WFH 520.180	180	50	365
PF WFH 520.200	200	50	398
PF WFH 520.250	250	40	490
PF WFH 520.300	300	30	578

Flexible hose 1/2", F/M

Product Code	Length, cm	Packaging, pcs.	Weight, g
PF WFH 521.30	30	300	95
PF WFH 521.40	40	250	114
PF WFH 521.50	50	200	133
PF WFH 521.60	60	200	149
PF WFH 521.80	80	120	186
PF WFH 521.100	100	100	217
PF WFH 521.120	120	100	255
PF WFH 521.150	150	60	315
PF WFH 521.180	180	50	361
PF WFH 521.200	200	50	398
PF WFH 521.250	250	40	489
PF WFH 521.300	300	30	574

Flexible hose 1/2", F/F with angled outlet

Product Code	Length, cm	Packaging, pcs.	Weight, g
PF WFH 526.30	30	300	104
PF WFH 526.40	40	250	117
PF WFH 526.50	50	200	131
PF WFH 526.60	60	200	145
PF WFH 526.80	80	120	175
PF WFH 526.100	100	100	208

Flexible hose for mixers 1/2" x M10 (pair)

Product Code	Length, cm	Packaging, pcs.	Weight, g
PF WFH 522.30	30	125 pairs	150
PF WFH 522.40	40	100 pairs	180
PF WFH 522.50	50	100 pairs	206
PF WFH 522.60	60	50 pairs	234
PF WFH 522.80	80	50 pairs	297
PF WFH 522.100	100	50 pairs	354
PF WFH 522.120	120	50 pairs	406
PF WFH 522.150	150	30 pairs	496
PF WFH 522.200	200	20 pairs	658

5. INSTALLATION AND OPERATION

Before installation, the flexible hose that has been stored at subzero temperatures should be kept at room temperature for at least one hour. It is necessary to observe the minimum bending radius specified in the technical parameters table (p. 2).

The tightening torque for the connection elements of the hose must not exceed 4 Nm. Twisting of the hose along its own axis and contact with other objects causing friction are not allowed. If any mechanical damage is found on the surface of the hose, it must be taken out of service.

6. STORAGE AND TRANSPORTATION CONDITIONS

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

Transportation of the product 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.



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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