



PROFACTOR®
DER DEUTSCHE QUALITÄTSSTANDARD

EN

TECHNICAL DATA SHEET AND USER MANUAL



PRODUCT CODE

PF WFH 523.30 –
PF WFH 523.300
PF WFH 524.30 –
PF WFH 524.300
PF WFH 591.50 –
PF WFH 591.500
PF WFH 525.30 –
PF WFH 525.200
PF WFH 527.30 –
PF WFH 527.100

**FLEXIBLE HOSE
PROFACTOR® LUXE
WITH POLYMER COATING**

1. PURPOSE AND SCOPE

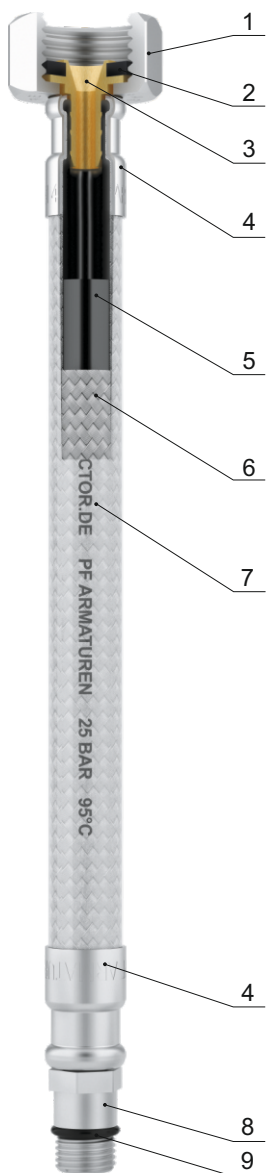
The flexible hose PROFACTOR® LUXE features a stainless-steel braid with an additional protective polymer coating. This coating provides protection against adverse environmental effects, prevents condensation, helps to keep installation spaces clean and dry, and has an attractive appearance.

The flexible hose is designed for connecting sanitary fittings and plumbing fixtures (such as faucets, toilets, bidets, shower cabins, and mixers), as well as for supplying water to household appliances (including water heaters, washing machines, dishwashers, pumps, etc.). It is not intended for continuous flow operation as a substitute for fixed pipelines.

2. TECHNICAL SPECIFICATIONS

Product Code	PF WFH	523.30 – 523.300	524.30 – 524.300	591.50 – 591.500	527.30 – 527.100	525.30 – 525.200
Connection thread	G	1/2"Fx1/2"F	1/2"Fx1/2"M	3/4"Fx3/4"F	1/2"Fx1/2"F	1/2"FxM10X1
Working pressure	atm	25				
Maximum temperature	°C	95				
Test pressure	atm	100				
Flow rate at 3 atm	L/min	33				25
Minimum bending radius	mm	75				60
Inner hose diameter	mm	8,5				7,2
Outer hose diameter	mm	12,7				10,7
Outer connector diameter	mm	14,4 ± 0,3				12,4 ± 0,3
Average service life	years	20				

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 – External protective layer
- 8 – Mixer connection nipple
- 9 – O-ring
- 10 – Connection nipple
- 11 – Connection nipple with angled outlet



Pos.	Name	Material	Standard
1	Connection nut	Stainless steel AISI 201	—
2	Sealing gasket	Synthetic rubber (NBR)	—
3	Connecting core	Brass CW617N	DIN EN 12165
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	External protective layer	Polyvinyl chloride (PVC)	—
8	Mixer connection nipple 17 mm / 45 mm	Stainless steel AISI 201	—
9	O-ring	Synthetic rubber (EPDM)	DIN ISO 3601
10	Connection nipple	Stainless steel AISI 201	—
11	Connection nipple with angled outlet	Stainless steel AISI 201	—

4. NOMENCLATURE AND DIMENSIONS

Flexible hose PROFACOR® LUXE 1/2", F/F

Product Code	Length, cm	Packaging, pcs.	Weight, g
PF WFH 523.30	30	210	109
PF WFH 523.40	40	200	132
PF WFH 523.50	50	160	155
PF WFH 523.60	60	120	177
PF WFH 523.80	80	100	222
PF WFH 523.100	100	80	268
PF WFH 523.120	120	60	313
PF WFH 523.150	150	50	381
PF WFH 523.180	180	40	448
PF WFH 523.200	200	40	492
PF WFH 523.250	250	30	607
PF WFH 523.300	300	20	718

Flexible hose PROFACTOR® LUXE 1/2", F/M

Product Code	Length, cm	Packaging, pcs.	Weight, g
PF WFH 524.30	30	210	107
PF WFH 524.40	40	200	130
PF WFH 524.50	50	160	153
PF WFH 524.60	60	120	175
PF WFH 524.80	80	100	221
PF WFH 524.100	100	80	266
PF WFH 524.120	120	60	312
PF WFH 524.150	150	50	379
PF WFH 524.180	180	40	447
PF WFH 524.200	200	40	493
PF WFH 524.250	250	30	606
PF WFH 524.300	300	20	719

Flexible hose PROFACTOR® LUXE 3/4", F/F with angled outlet

Product Code	Length, cm	Packaging, pcs.	Weight, g
PF WFH 591.50	50	160	161
PF WFH 591.60	60	120	180
PF WFH 591.80	80	100	198
PF WFH 591.100	100	80	254
PF WFH 591.150	150	50	347
PF WFH 591.200	200	40	443
PF WFH 591.250	250	30	538
PF WFH 591.300	300	20	630
PF WFH 591.400	400	15	825
PF WFH 591.500	500	10	1003

Flexible hose PROFACTOR® LUXE 1/2", F/F with angled outlet

Product Code	Length, cm	Packaging, pcs.	Weight, g
PF WFH 527.30	30	210	116
PF WFH 527.40	40	200	135
PF WFH 527.50	50	160	154
PF WFH 527.60	60	120	173
PF WFH 527.80	80	100	210
PF WFH 527.100	100	80	250

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

Product Code	Length, cm	Packaging, pcs.	Weight, g
PF WFH 525.30	30	140 pairs	171
PF WFH 525.40	40	120 pairs	210
PF WFH 525.50	50	100 pairs	248
PF WFH 525.60	60	80 pairs	286
PF WFH 525.80	80	60 pairs	363
PF WFH 525.100	100	50 pairs	442
PF WFH 525.120	120	40 pairs	516
PF WFH 525.150	150	30 pairs	631
PF WFH 525.200	200	20 pairs	825

5. INSTALLATION AND OPERATION

Before installation, if the flexible hose has been stored at subzero temperatures, it 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 of the hose's threaded joints must not exceed 4 Nm. The hose must not be twisted along its own axis or allowed to rub against other objects. It is advisable to avoid prolonged exposure to direct sunlight on the polymer coating. If any mechanical damage is found on the hose's surface, it must be removed from 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°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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