

**THE NEW EXPERIENCE  
OF QUALITY AND VALUE.**







Original PFT D 6-3, Art.-Nr. 0000000000

**PFT TWISTER**  
Original PFT D 6-3  
PFT D 6-3

Original PFT D 6-3, Art.-Nr. 0000000000







*The legendary PFT G 4 –  
invented in the year 1974 – is  
being optimised continuously to this  
day and more than 100,000 units  
have been sold all over the world.*

## **INNOVATION EXPERIENCE EFFICIENCY**

We invented the legendary PFT G 4 in the year 1974, which till today is considered as simply “the” plastering machine among the experts. Until now, PFT G 4 has been sold more than 100,000 times in a design that is continuously optimised. There is no conclusive proof of the efficiency and intrinsic value.

The large number of enhancements, optimisations and practical details make the “best” even better.

**PFT G 4 NEXT GENERATION**







*Only the most advanced manufacturing technology ensures the best quality.*

- ◀ Laser cutting technology
- ▼ Welding robot

**QUALITY  
MADE  
IN  
GERMANY**

At our Iphofen site, we use the latest technology and manufacturing methods to develop and manufacture high-quality, efficient and customised products **"Made in Germany"**.

Our machines stand for outstanding quality and are all-purpose thanks to their robust and useful design and user-friendliness. We are thus in a position to competently and flexibly cater to the professional requirements of our international customers.





# DISCOVER THE PFT G4 NEXT GENERATION







*"The combination of  
benefits, quality and  
reliability impressed me."*

Experts, who work hard  
everyday, do not compromise  
with their equipment. Just as  
little as we do when it comes  
to the quality of our PFT G4.

Our customers are important  
impulse generators when it  
comes to development. Your  
experiences help us to make  
the PFT G4 more user-friendly  
and practice-oriented with  
respect to the application  
requirements.

Find out about the many  
benefits.

**PFT G4 NEXT GENERATION**



# PFT G4. THE NEW EXPERIENCE OF QUALITY

The difference is in the detail.

Maximum stability due to the robust frame structure with consolidated wheel support.

No damage to the fittings and switches since they are protected in the inner contour of the frame.

Large control box: excellent ease of maintenance and optimised dust protection.

A consolidated tube frame withstands large loads easily.

Safe transport with a forklift truck thanks to the integrated forklift plates.

Greater transport safety since there are no protruding plugs.

Improved water outlet by tilting the pump and optimum frost protection since the residual water can be drained completely.





# AND VALUE.

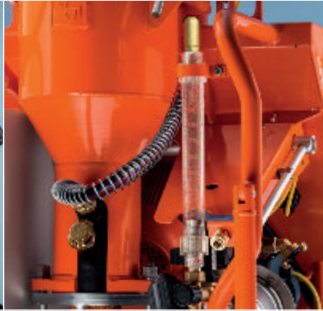
Smooth operation thanks to large fine filters with a small mesh size.



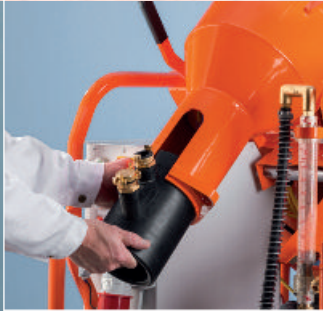
Can also be delivered as a switchable version FC 230/400 V.



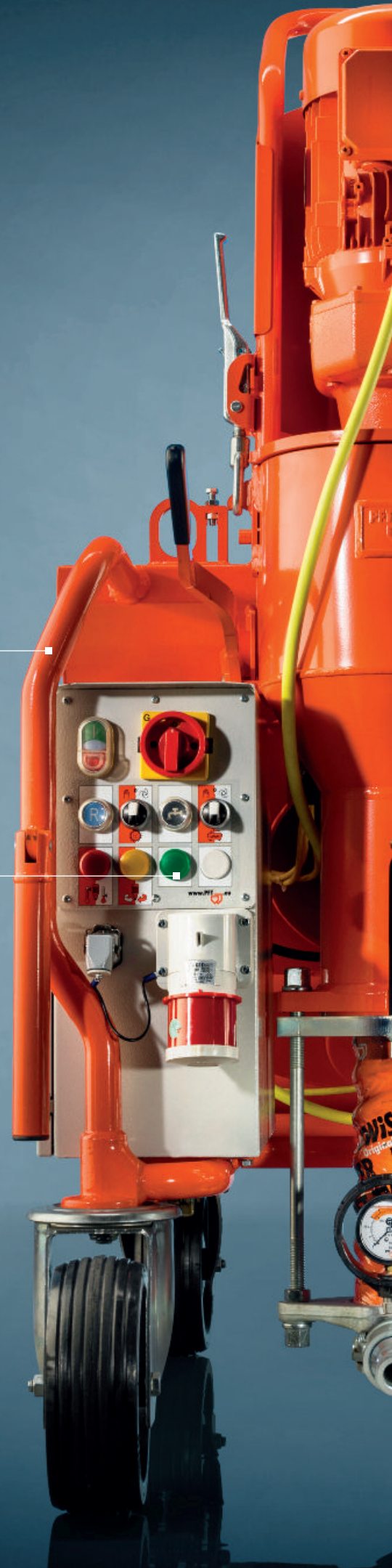
Easy-to-fit mixing tube with the help of the new mixing tube support.



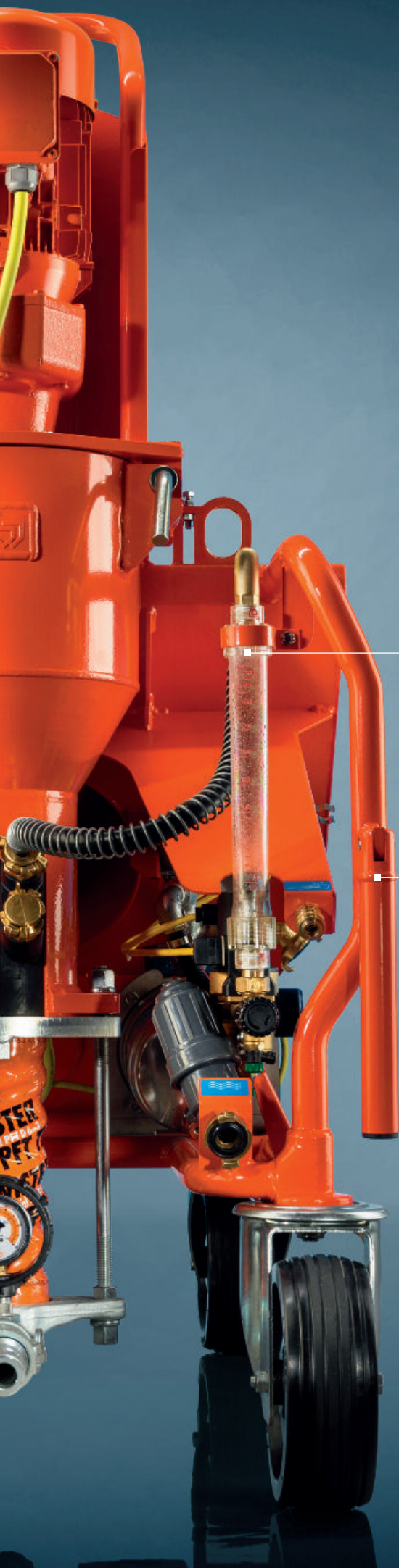
Easy exchange of the tap fittings.



Easy cleaning and maintenance thanks to the optional, interchangeable rubber mixing zone.







■ Safe transport thanks to four holders at one height and the reliable folding mechanism.



■ Better handling due to two additional grips on the container.



■ Air compressor is automatically secured during transport if transportation is done by a crane.



Protecting the air compressor from dirt with the tool box mounted on it and the optionally available splash flaps.



■ The practical transportation safety device for the mixing tube is a clever solution in order to reduce the machine height and it facilitates an easy and compact transport.





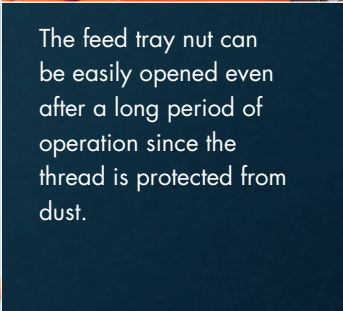
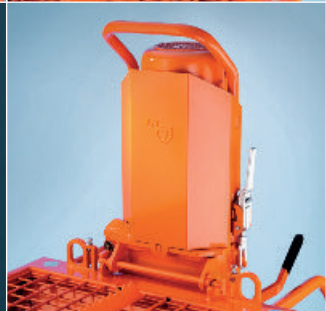
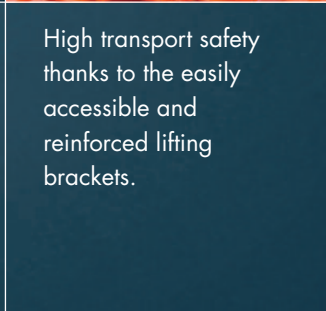
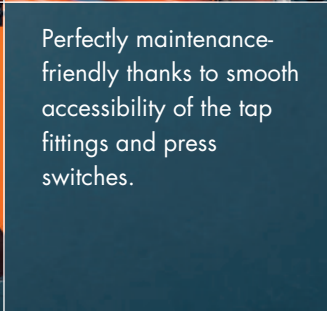
The metal cover and optional PVC protective foil protect the fittings from dirt (optional).

Better adjustment of the injection hood thanks to the re-designed support.

Large tool box, which is suitable e.g. for supporting the mixing tube cleaner, cleaning shaft and/or spraying gun.

Best protection and transport due to the rotating motor protection frame.

High delivery rate up to 85 l/min in case of a floating screed application (so far only up to 55 l/min) with a simple star wheel change.



Integrated fixture for the rotor wrench (optional).

Perfectly maintenance-friendly thanks to smooth accessibility of the tap fittings and press switches.

High transport safety thanks to the easily accessible and reinforced lifting brackets.

Reduction in the dust exposure: subsequent mounting of the optional deflector prevents air from whirling up in the material feeding container.





# PFT G 4 – ELABORATE DETAILS UNBEATABLE IN THE SYSTEM.

## Functional principle

The distillation zone for holding the ready-mixed mortar is different from the mixing and pump zones. The dry mortar is thrown into the mixing chamber via the tilted feed tray. PFT G 4 can be started and refilled at any time. The feed tray is driven separately and can be dismantled quickly using a central locking.

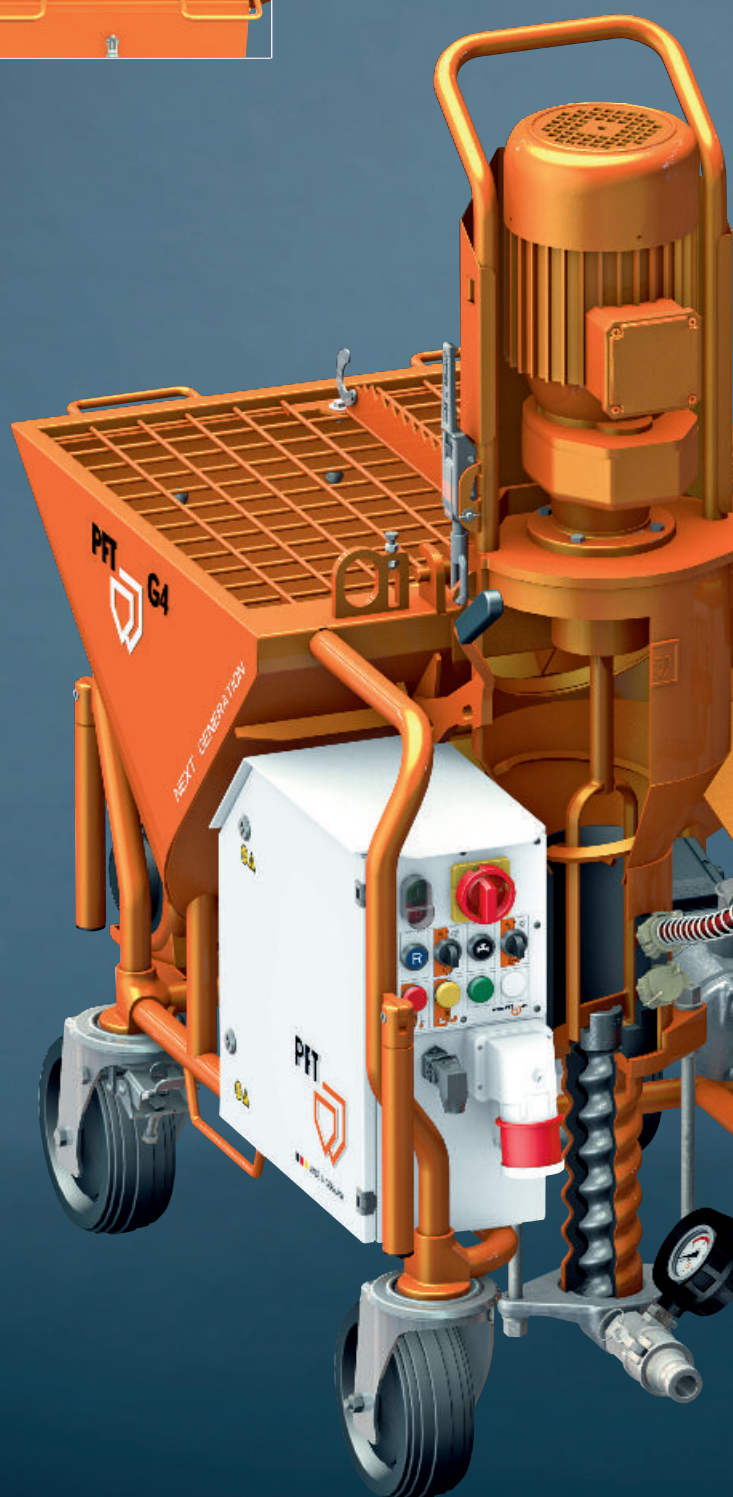
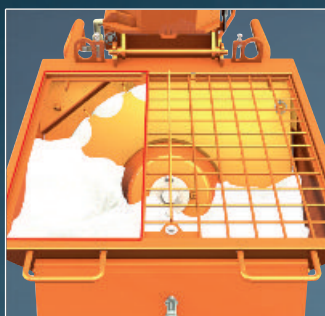
## Functional description

PFT G 4 is a continuously operating mixing pump for ready-mixed dry mortars suitable for machine use. It can be filled using bagged cargo as well as directly from a silo/container using a delivery hood or with an injection hood and the PFT SILOMAT system.

## Fields of application

For pumpable ready-mixed dry mortars such as:

- Gypsum plasters
- Lime-gypsum plasters
- Cement plasters
- Lime plasters
- Lime-cement plasters
- Fango materials
- Insulating plasters
- Recessed mortar
- Exterior basecoat
- Floating screeds
- Masonry mortar
- Premixed mortar
- Insulation materials
- ...and much more







Easy handling thanks to the small dimensions.  
Easy transport due to portable modules.

### Filling with bagged cargo

One for All, all with One. PFT G 4 is the compact, easy-to-transport mixing pump in high-tech engineering, which offers a high delivery rate and large delivery range, and can be combined with the entire range of machines offered by PFT. Thanks to the low filling height, it is perfectly suited for filling with bagged cargo.

Ideal for using at small and average-sized construction sites.

### Direct filling from silo

The PFT G 4 mixing pump is designed according to the modular design principle. By using the PFT delivery hood, it can easily and quickly be flange-mounted below any silo/container.

Well-suited for delivery ranges up to 30 m.

### Pneumatic filling with PFT SILOMAT

Easy, quick and efficient. The PFT SILOMAT conveying pot can be flange-mounted to the silo/container using a couple of grips. The ready-mixed dry mortar is fed to the mixing pump fully automatically and free of dust at the push of a button.

The machine is directly placed at the place of use in the process, irrespective of the distance from the silo/container to the usage site. The pneumatic conveying equipment PFT SILOMAT is available in different designs.





## Equipment / Technical data

• standard • optional ✗ not available

Description		PFT G 4 FC 230 V	PFT G 4 FC 230/400 V	PFT G 4 smart	PFT G 4
without water pressure booster pump		<b>00 40 21 18</b>	<b>00 42 34 08</b>	<b>00 26 06 22</b>	<b>00 23 84 74</b>
with water pressure booster pump		<b>00 26 81 43</b>	<b>00 26 06 21</b>	<b>00 25 73 59</b>	<b>00 40 21 68</b>
<b>Connection</b>		230 V, 50 Hz, 1 Ph	230 V, 50 Hz, 1 Ph 400 V, 50 Hz, 3 Ph	400 V, 50 Hz, 3 Ph	400 V, 50 Hz, 3 Ph
<b>Drive</b>	Pump motor	00 40 21 18: 5.5 kW, 385 rpm 00 26 81 43: 4 kW, 400 rpm two-stage with inclination switch	5.5 kW, 385 rpm two-stage with inclination switch	5.5 kW, 385 rpm two-stage with inclination switch	5.5 kW, 385 rpm two-stage with inclination switch
	Star wheel motor	0.3 kW, 12 rpm	0.3 kW, 12 rpm	0.75 kW, 28 rpm	0.75 kW, 28 rpm
<b>Mixing tube</b>		Mixing tube without changeable flange	Rubber mixing tube with changeable flange	Mixing tube without changeable flange	Mixing tube with changeable flange
Transportation safety device		•	•	•	•
<b>Mixing shaft</b>		Mixing shaft G 4 straight	Mixing shaft G 4 straight	Mischwendel G 4 gerade	Mixing shaft G 4 straight
<b>Pump unit Rotor/Stator</b>		SD 6–3 slimline	SD 6–3 slimline	D 6–3 mf	TWISTER D 6–3
<b>Mortar pressure gauge</b>		firmly screwed, 25 male	firmly screwed, 35 female	firmly screwed, 25 male	firmly screwed, 35 female
<b>Pump capacity*</b>		approx. 22 l/min	approx. 22 l/min	approx. 22 l/min	approx. 22 l/min
<b>Conveying capacity*</b> (Star wheel)		max. 55 l/min	max. 55 l/min	max. 55 l/min	max. 85 l/min
<b>Conveying pressure*</b>		max. 25 bar	max. 25 bar	max. 30 bar	max. 30 bar
<b>Conveying distance*</b> at 25 mm Ø at 35 mm Ø		up to 15 m up to 15 m	up to 15 m up to 15 m	up to 30 m up to 50 m	up to 30 m up to 50 m
<b>Water pressure booster pump**</b>		400 V	400 V	400 V	400 V
<b>Water connection</b>		3/4"	3/4"	3/4"	3/4"
Water connection pressure		2.5 bar	2.5 bar	2.5 bar	2.5 bar
Water flow meter		150–1,500 l/h	150–1,500 l/h	150–1,500 l/h	150–1,500 l/h
Dust protection water manifold		•	•	•	•
<b>Control box</b>		large housing	big housing	large housing	large housing
Transformer with automatic cut-out		•	•	•	•
Motor protection switch		•	•	•	•
Phase monitor		•	•	•	•
Engine-hour indicator		•	•	•	•
Automatic direction of rotation		•	•	•	•
Control lamp for water pressure		•	•	•	•
Frequency converter		•	•	•	•
Adjustable drive, continuously		•	•	•	•
prepared for GPS		•	•	•	•
Idle running control		•	•	•	•
<b>Compressor</b>		0.55 kW, 230 V 180 l/min, max. 3.4 bar with pressure switch off	0.55 kW, 230 V 180 l/min, max. 3.4 bar with pressure switch off	0.9 kW, 230 V 250 l/min, max. 4 bar with pressure switch off	0.9 kW, 230 V 250 l/min, max. 4 bar with pressure switch off
Rubber cover for compressor		•	•	•	•
<b>Spraying gun</b>		25 mm, nozzle 14 mm, 200 mm long, straight, smartline	25 mm, nozzle 14 mm, 200 mm long, straight, alu-swivel coupling	25 mm, nozzle 14 mm, 200 mm long, straight, smartline	25 mm, nozzle 14 mm, 200 mm long, straight, alu-swivel coupling
<b>Water/air hose</b>		1/2", 11 m, Ewo/Geka	1/2", 11 m, Ewo/Geka	1/2", 11 m, Ewo/Geka	1/2", 11 m, Ewo/Geka
<b>Mortar hose</b>		RONDO 25 mm, 10 m	RONDO 25 mm, 10 m	RONDO 25 mm, 10 m	RONDO 25 mm, 10 m
<b>Power cable</b>		25 m, 3 x 32 A, adapter coupling Schuko/CEE	adapter coupling Schuko/5 x 32 A	•	•
<b>Wheels</b>		2 castor, 2 double lockable castor	2 castor, 2 double lockable castor	3 castor, 1 double lockable castor	2 castor, 2 double lockable castor
<b>Equipped with</b> Deflector		•	•	•	•
Cleaning shaft/Mixing tube cleaner		•	•	•	•
Cleaner coupling		•	•	•	•
Tool box with tool bag		•	•	•	•
Operating instruction		•	•	•	•
Rotor wrench		•	•	•	•
Coupling reduction 35 V-25 V-part		•	•	•	•
<b>Dimensions</b>	Filling height	910 mm	910 mm	910 mm	910 mm
	Hopper content	145 l	145 l	145 l	145 l
	Length/width/height	1,200/720/1,530 mm	1,200/720/1,530 mm	1,200/720/1,530 mm	1,200/720/1,530 mm
	Total weight	272 / 280 kg	272 / 280 kg	263 / 271 kg	271 / 279 kg

\* Reference values depending on the mortar quality, mortar composition, mortar consistency, pump design, pump condition, feed hose diameter and delivery height. Finally, the respective guidelines of the mortar manufacturer are decisive.

\*\* PFT G 4 models which aren't equipped with a standard water pressure booster pump with a PFT water pressure booster pump with



PFT G 4 super	PFT G 4 XL
<b>x</b>	<b>x</b>
<b>00414171</b>	<b>00406795</b>
400 V, 50 Hz, 3 Ph	400 V, 50 Hz, 3 Ph
5.5 kW, 385 rpm two-stage with inclination switch	7.5 kW, 400 rpm two-stage with inclination switch
0.75 kW, 28 rpm	0.75 kW, 28 rpm
Rubber mixing tube with changeable flange	Rubber mixing tube with changeable flange
•	•
Mixing shaft G 4 straight TWISTER D 6-3	Mixing shaft G 4 straight D 6-4 mf
firmly screwed, 35 female	firmly screwed, 35 female
approx. 22l/min	aprox. 22l/min
max. 85l/min	max. 85l/min
max. 30 bar	max. 40 bar
up to 30 m up to 50 m	up to 40 up to 65 m*
400 V	400 V
3/4"	3/4"
2.5 bar	2.5 bar
150–1,500l/h	150–1,500l/h
•	•
large housing	large housing
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
level sensor at material hopper	level sensor at material hopper
0.9 kW, 230 V 250l/min, max. 4 bar with pressure switch off	0.9 kW, 230 V 250l/min, max. 4 bar with pressure switch off
•	•
25 mm, nozzle 14 mm, 200 mm long, straight, alu-swivel coupling	25 mm, nozzle 14 mm, 200 mm long, straight, alu-swivel coupling
1/2", 15 m, Ewo/Geka	1/2", 11 m, Ewo/Geka
RONDO 25 mm, 15 m	RONDO 25 mm, 10 m
•	•
2 castor, 2 double lockable castor	2 castor, 2 double lockable castor
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
910 mm	940 mm
145 l	145 l
1,200/720/1,530 mm	1,200/720/1,650 mm
308 kg	320 kg

\*d water pressure booster pump can be  
out any problems, see pos. 19 and 20.

## PFT accessories/spare parts

The PFT system contains numerous, field-tested and practice-oriented accessories and spare parts.

**While developing PFT G 4 NEXT GENERATION in particular, we attached great importance to the fact that it should be possible to use all the accessories from the previous PFT G 4 range. An important step as regards efficiency.**

### PFT Rotor/Stator system SD 6-3 slimline

The new PFT rotor/stator system was especially developed for the operation in the "big" PFT machines in 230 V such as for example PFT G 4 FC 230/400 V.

Advantages:

- high conveying capacity
- hose length up to 15 m
- also applicable in previous models

Everything from a single source.  
For each application the suitable Rotor/Stator system.

For detailed information  
regarding PFT Rotors and Stators,  
visit [www.pft.eu](http://www.pft.eu)



### PFT Mixing tube rubber mixing zone

Easy and simple cleaning  
using the interchangeable  
rubber mixing zone.  
Part no. 00 20 51 07

### PFT Anti-Dust- Unit G 4

The new system helps to protect  
the processor from increased  
mineral dust exposure.  
Part no. 00 24 93 05





**1** Injection hood E1 with mono filter for PFT G 4 cpl. with control cable and level indicator for connecting to the PFT SILOMAT conveying system

**2** Delivery hood with control box and dry run protection for direct connection to the silo/container

**3** Remote control cable 25 m with on-off switch and indicator light 42 V

**4** Power cable 5 x 4 mm<sup>2</sup>, 25 m, CEE cpl. 32 A

**5** Water/air hose 3/4", 40 m cpl. with couplings

**6** PFT RONDO 25 mm, 10 m, hydraulic integration, with couplings

**7** PFT RONDO 35 mm, 10 m, hydraulic integration, with couplings

**8** Spraying gun 25 mm, nozzle 14 mm, long design, cranked with swivel coupling

**9** Spraying gun 35 mm, nozzle 14 mm with hole

**10** Spraying gun 25 mm, nozzle 14 mm, cranked with squeeze valve

**11** PFT ZARGOMAT pro

**12** PFT JETSET pro in case  
The all-round spraying and adhesive gun with automatic pressure limiter.

**13** Pressure gauge 0–100 bar

**14** Assembling spray, 400 ml

**15** Rotor wrench, galvanised

**16** Consistency checking tube

**17** Electrical pressure switch off

**18** Water pressure booster pump AV 1000, 400 V  
In case of water supply from a barrel, it is interconnected for a higher water pressure

**19** Water pressure booster pump AV 1000, 400 V, retrofit kit

**20** Water pressure booster pump SL 0.37 kW, 400 V, retrofit kit

PFT Agitator

For intensive mixing of mortar, screed or smoothing cement.  
The truck agitator makes full use of the quality.

**21** PFT ROTOMIX D-pump

**22** PFT ROTOQUIRL D-pump

**23** Cover ROTOQUIRL R-pump

**24** Mixing shaft for smoothing plaster

**25** Stator TWISTER D 6–3

**26** Rotor D 6–3 with pin

**27** PFT Star wheel G 4, higher conveying output up to 85 l/min



**1** Part no. 20 60 02 13



**2** Part no. 20 60 05 00



**3** Part no. 20 45 69 29

**4** Part no. 20 42 39 20



**5** Part no. 20 21 21 00



**6** Part no. 00 02 11 00



**7** Part no. 00 02 11 04

**8** Part no. 00 20 64 40



**9** Part no. 20 19 60 00



**12** Part no. 00 41 89 75



**10** Part no. 00 04 62 26

**11** Part no. 00 42 00 58

**13** Part no. 20 21 68 02



**15** Part no. 00 40 11 88



**14** Part no. 00 04 05 52



**16** Part no. 20 10 43 01



**17** Part no. 00 42 10 87



**18** Part no. 00 22 67 15



**19** Part no. 00 24 02 80



**20** Part no. 00 25 73 78

**21** Part no. 20 11 80 00



**24** Part no. 20 10 36 05



**22** Part no. 20 11 84 00

**25** Part no. 00 00 78 99

**23** Part no. 20 11 84 07

**26** Part no. 20 11 30 10



**27** Part no. 00 23 88 49







# PFT



MADE IN GERMANY



## Customised customer service – worldwide and always close at hand

PFT guarantees high product quality, innovative technology, tested safety, short delivery periods and a customised customer service that leaves nothing to be desired. You will therefore get PFT products only at PFT specialist dealers trained and authorised by us. We thus ensure that you always receive qualified customer service that makes

you successful: Expert advice, thorough training for operating our machines, original PFT spare parts – and all this obviously close at hand.

To find out about an authorised PFT specialist dealer closest to you, visit **[www.pft.eu](http://www.pft.eu)**

## Knauf PFT

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Händler

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PFT G 4 – GB/1M/01.14/ROT

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Ceiling systems  
  
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Polystyrol Insulating Material  
  
**Marbos**  
Mortar Systems in Civil Engineering

**Knauf Insulation**  
Insulating Material: Rock Wool,  
Glass Wool and Wood Wool  
  
**Knauf Integral**  
Gypsum Fibre Technology  
for Soil, Wall and Ceiling

**Knauf Perlite**  
**AQUAPANEL®** Cement Boards,  
Perlit  
  
**Sakret Bausysteme**  
Dry Mortar for New Build and  
Renovation