

# Fine concrete pump P 715 – all the data

Model	P 715 <sup>TD</sup>	P 715 <sup>SD</sup>	P 715 <sup>TE</sup>	P 715 <sup>SE</sup>
Output*	4-17.4 m³/h	4-17.4 m³/h	4-18.2 m³/h	4-18.2 m³/h
Delivery pressure (theor.)*	68 bar	68 bar	68 bar	68 bar
Delivery cylinder	hydraulically driven 2-cylinder piston pump			
Piston stroke	700 mm	700 mm	700 mm	700 mm
Piston strokes per minute	max. 27	max. 27	max. 27	max. 27
Drive	3-cyl. diesel engine Deutz 2011 L3 31,5 kW		electr. motor, 400 V, 50 Hz	
Max. grain size	16 mm	16 mm	16 mm	16 mm
Discharge connection	4.5" SK	4.5" SK	4.5" SK	4.5" SK
Hopper content	250 l/ 280 l with rubber mounting flange			
Weight (empty)	1,850 kg	1,700 kg	1,800 kg	1,650 kg
Length	4,568 mm	2,948 mm	4,568 mm	2,948 mm
Width	1,511 mm	1,162 mm	1,511 mm	1,162 mm
Height	1,749 mm	1,518 mm	1,636 mm	1,402 mm
Fill-height	1,378 mm	1,142 mm	1,378 mm	1,142 mm
Part no.	111 591.010	111 591.080	111 591.060	111 591.070

\*statements are experimental values without obligation and depend on the type of material

## Standard equipment P 715

Cleaning connections 4.5" quick-release clamp coupling with sealing gasket, cleaning accessories tool box with tools, hard hat

## Optional equipment

Radio remote control with transmitter and receiver (pump on/ off, reverse pumping, emergency off) 438 062  
Cable remote control, electric, 5 m 435 566

High pressure cleaner, 140 bar, 600l/ h with spray gun and 8m hp-hose 448 846  
Flushing water pump 20 bar, 80 l/ min 439 892  
Working light 55 W 418 284  
Ball hitch 213 458.009  
Special grid for shotcrete 10 mm 514 057  
Reduction pipe SK 100/ 4.5, PXM 75, 10 m 263 389.005  
Reduction pipe SK 100/ 4.5, PXM 65, 10 m 256 246.003

Order your free copy of our complete catalogue MM 2599 GB for details of other accessories.

## Putzmeister Mörtelmaschinen GmbH

is a member of the Putzmeister Group with headquarters in Aichtal near Stuttgart.

Since 1958, Putzmeister has been a manufacturer and worldwide supplier of mortar machines, plaster spray and paint pumps, concrete pumps, tunnelling machines, industrial pumps, heavy-duty robotics for cleaning systems and installations, and high-pressure cleaning systems for professional use. This powerful bond offers sales partners all over the world the ideal conditions with regard to competency, investment security and optimum service in all sectors.



## Your Putzmeister partner

**Putzmeister**

# Fine concrete pump P 715



## P 715

This extraordinarily compact pump is exactly right for use wherever worm pumps or small piston pumps are too weak and the big concrete pumps are too expensive and cost-inefficient.

For the first time, we have succeeded in integrating the power of a large pump into the compact and user friendly design of the P 715.

**Putzmeister**

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# The fine concrete pump P 715 – never before could concrete be placed and transported in such a compact form

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## ■ General

Whoever still maintains that concrete pumps have to be bulky and difficult to move around has never seen the P 715, the complete opposite – compact and highly manoeuvrable.

And in spite of its small size and low weight, its performance data say it all – up to 68 bar delivery pressure and up to 18 m<sup>3</sup>/h output – a truly powerful pump.

The P 715 is an ideal combination of tried-and-proven engineering and well thought-out design. For the first time, we have succeeded in fitting all the high-performance technology used worldwide in thousands of heavy-duty Putzmeister concrete pumps into such a small machine.

## ■ Fields of application

The P 715 is an extremely versatile pump which can deliver and place concrete of up to 16 mm grain size.

It is therefore far superior to other pump systems as worm pumps and most of the piston pumps which can only handle material of e.g. up to grain size 8 mm.

The P 715 features a so-called automatic compacting system which allows it also to pump with ease very thin liquids such as slurries or self-levelling screed. This excellent compacting effect prevents material from being pressed out and reduces the risk of blockage.

With properties like these, the P 715 fits nicely into the gap between the worm pumps and smaller piston pumps and the heavy-duty pumps.

## ■ Operation

First sight of the P 715 is always somewhat astonishing as its appearance and size are more like that of a modern, compact screed conveyor than a classical concrete pump.

But then, that comes as no surprise when you know that the functional and successful design of our Mixokret screed conveyor served as a basis when developing the P 715. The result is an extremely compact, powerful and integrated machine. And there is no denying that the P 715 has a great deal to offer.

## ■ Safe transport

We have provided the P 715 with a stable and road-worthy chassis and a sturdy over-run brake so that it can be towed in absolute safety, even behind a passenger car.

Once on site, manoeuvring is considerably simplified when the chassis brings into play the advantages of its low-weight construction and large ground clearance.

## ■ Ease of operation

For those not yet in the know – our Mixokret screed conveyor is among the most user-friendly machines on the market. And that is why we have designed the P 715 with the successful “Targa bar”.

We have incorporated the whole of the electronics and controls for the P 715 into the Targa bar and all of the operating and control elements have been positioned ergonomically and logically on one side. Everything is ready to hand and within the operator’s range of vision.

The easily readable analogue instruments and robust switches are protected by a sturdy shutter. The chief attraction: the machine can still be operated when the shutter is closed so the instruments remain clean and are in no danger of being damaged.

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Concrete pumps, like this P 715, are a part of the wide range of systems. They can be used for placing shotcrete, ...

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... or for pumping concrete up to 16 mm grain size.

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Also self-levelling screed can be placed from a long distance.

# The fine concrete pump P 715 – a handsome sight, and only too ready to show off its strength

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## ■ Tough design

The whole system is designed to provide reliable and continuous operation under severe conditions. We selected modules and components exclusively for their robust and long-life parts in order to reduce wear and tear; thus reducing costs and increasing the service life of the machine.

The efficient Putzmeister piston pump features a hard chromium-plated cylinder, for example. The patented automatic ring on the S-transfer tube is self-sealing and so automatically compensates any occurring wear.

## ■ The practical hood

The well-designed hood has also been taken from the Mixokret design. It is made completely of strong but light plastic Mixokret making it low-weight, rust-proof and nevertheless, extremely stable. A design which needs no further explanations.

## ■ Intelligent air guide

The design of the hood however has even more advantages. We have designed the whole of the ventilation system of the machine so that the operator is not exposed to warm waste air and exhaust fumes.

The P 715 sucks up cool air in dust-free areas, at the front where the towbar is, and so protecting the interior from soiling and ensuring the engine always has clean, cool air. The warm waste air and diesel fumes are then blown out at the top of the Targa bar.

## ■ Maintenance

The P 715 is in principle one of the most low-wear pump systems available. However, if and when required, it also features numerous practical details to simplify maintenance and service work.

## ■ Simple to clean

The „streamline“ design is not just meant to please. Quite the contrary. We have specially done without unnecessary edges so there is practically nowhere for dust and dirt to take over; and the smooth coat of paint is especially easy to clean.

And talking of cleaning: we can fit your P 715 with an integrated high-pressure cleaner and you can spray off even the most obstinate dirt with 140 bar simply by connecting up the high-pressure hose to the P 715 and – off you go!

In this way, the hopper can also be cleaned without any bother and to make things even easier – the top part of the hopper can be tipped to the side. Then just rinse everything out through the cleaning shutter at the bottom of the hopper.

## ■ Easy replacement of wearing parts

Because the hopper can be folded out to the side, the few wearing parts such as the agitators are easier to replace. And even the delivery pistons can be conveniently replaced via the water tank which can be easily accessed.

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The P 715 is quite simply a beautifully-designed machine, chock-a-block full of practical details.

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And a pleasure to work with, as operation is so simple, clearly arranged and easy to access.

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Just fold the hopper away to the side and the agitators are exposed and easily accessed.

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# The fine-concrete pump P 715 – there's more to the big shutter than meets the eye

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## ■ Convenient maintenance

The engine hood plays a further important part in the matter of maintenance jobs as it can be completely folded upwards – just unlock it and it swings upwards almost of its own accord.

All the main areas are then open and easily accessible, thus saving both time and cash for servicing work.

All the major points of lubrication around the hopper can be reached via the central lubrication manifold at the back of the hopper.

However, should you ever have any problems, just one call to the Putzmeister Service near to you will suffice to provide you with quick and reliable help.

## ■ Accessories

### ■ Delivery line for fine concrete ID 100/ 4.5

Delivery pipe 3,000 mm	056 863.000
Delivery pipe 2,000 mm	056 862.001
Delivery pipe 1,000 mm	056 861.002
Elbow pipe, 90°	056 914.001
Elbow pipe 45°	057 593.007
T-delivery pipe	057 614.009
Pressure gauge	057 621.005
Coupling SK-H	056 974.009
Seal A	057 341.000
Spring cotter	018 878.004
Delivery hose	057 607.003
2,850 mm, 50 m	

### ■ Delivery line for fine concrete ID 65/ 3

Delivery pipe 3", 3,000 mm	057 729.004
Delivery pipe 3", 2,000 mm	057 728.005
Delivery pipe 3", 1,000 mm	057 727.006
Elbow pipe, 90°	057 756.006
Elbow pipe 45°	057 758.004
Coupling SK-H	417 789
Seal A 3"	064 084.004
Spring cotter	018 878.004
Delivery hose	057 886.002
2,850 mm, 50 m	

As an alternative to individual SK couplings and seals, you have the option of using SKD couplings with halved seals already integrated:

SKD 4.5"	494 868
SKD 3"	494 763

### ■ Concrete spray line SK 65/ PM 50/3"; max. 40 bar, ≤ 8 mm grain size

Standard spray line ≈ 45 m long, consisting of:

1 x Elbow pipe SK 100, 4.5", 90°	421 329
1 x Reduction pipe, 1,000 mm SK 100/ 4.5" SK 65/ 3"	224 269 009
SK 65/ 3" SK 50/ 3"	058 670 000
2 x Clamp coupling SK 4.5"	431 613
2 x Seal ID 100, 4.5"	057 341 000
13 x Spring cotter	018 878 004
8 x Delivery hose SK 65/ 3", 5,000 mm	057 886 002
11 x Clamp coupling SK-H 3"	417 798
11 x Seal ID 65/ 3"	064 084 004
1 x Transmission piece	082 784 001
1 x Mortar hose ID 50 TS PN 40, 13 m	207 617 005
1 x PM coupling M 50/ 2"	211 600 008
1 x Concrete spraying nozzle V 50, 30 mm	072 157 004

2 x Air hose 3/4", 20 m	416 015
6 x Sponge rubber balls ø 65 mm	000 246 000
ø 60 mm	000 212 005

Additional accessories:

Metering pump for accelerating admixture (silicate):

1 x Silicate metering pump with compressed air drive (barrel pump) with connector	002 423 009
2 x High-pressure hose 1/2", 20 m	001 983 003
1 x Air hose 3/4", 20 m	416 015

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Access to the agitators and S-transfer tube is easy. Simply tip the upper part of the hopper away.

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Nothing gets in the way. All the areas requiring service or maintenance are within convenient reach, as here, the oil level control.

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On request, we can install a powerful high-pressure cleaner into your P 715. And that will be the end of all your cleaning problems!

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