

# P 715 piston pump

Concrete spraying and floor screed pumping has never been more compact ... or more convenient

If anyone thinks that hydraulically driven piston pumps are big and unwieldy, they haven't seen the P 715. It's the exact opposite: compact and highly mobile.

But despite modest dimensions and a low weight, its performance data speaks for itself: up to 68 bar delivery pressure and an output of up to 18 m<sup>3</sup>/h – a real power pump.

Once again our developers have been successful in packing the powerful technology which is already used around the world in thousands of large-scale Putzmeister concrete pumps into so small a space.

The 715 is an extremely versatile pump. It can pump liquid screed and fine concrete with a grain size of up to 16 mm. As a result, it stands head and shoulders above other pump systems.

The modern and dynamic design makes the P 715 a real eye-catcher on any construction site. However, the **high-quality hood and body** do more than simply look good. They also provide you with a lot of practical benefits which extend the P 715's service life and promote its value retention:

- It is very light, yet still extremely robust- Its plastic fittings don't rust
- The smooth paint finish provides hardly any adhesion surfaces for dirt and can be cleaned particularly easily
- The bodywork has been coated with a high quality catheporetic dip paint (CDP)
- The result is an absolutely even application of paint which provides reliable protection against rust

### Versatile deployment

The P 715 can reliably convey up to 16 mm pumpable media over considerable distances. The powerful piston pump is ideal for shotcrete and liquid screed applications.

This makes the P 715 an unbelievably versatile pump which you can always use on those occasions when space on the construction site is extremely limited.



For easy maintenance and cleaning, you only have to **fold the large hopper away to one side**. The agitator then stops automatically. The S-transfer tube and the agitator are now exposed and easily accessible. This helps you to save time and effort.



To open the hood, you only have to press a button. The hood then travels fully upward of its own accord.



### Environmentally friendly powerpack – the diesel engine

The **oil-cooled 3-cylinder diesel engine** of the P 715 produces 34.5 kW and is one of the most reliable in its class.

This ensures that there is always enough power available. Having so much power also has another benefit. As you will hardly ever push your P 715 to its limit, and this spares the unit and saves costs. The engine runs at low revs, which makes it much **lot quieter** and **saves fuel**. Furthermore, it meets the COM III exhaust gas requirement.

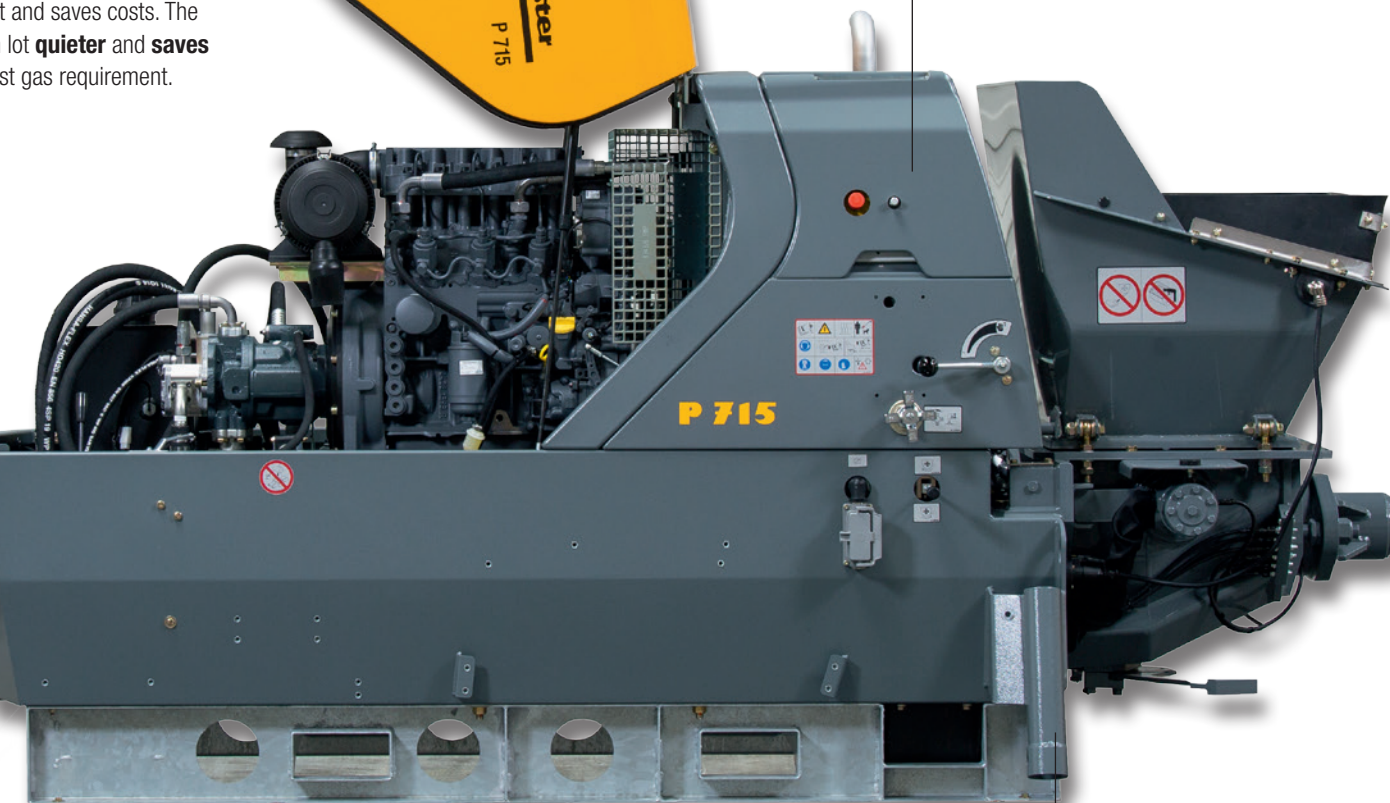
Thanks to the **road-going T chassis** with automatic brake adjustment, transportation to a construction site or on-site manoeuvring couldn't be easier. On construction sites without any access at all, you can even put the P 715 into position by crane. The optional **robust lifting eye** makes that possible.



Fine concrete pumps like the P 715 are one of the most versatile of systems. You can use them for shotcrete ...



... or for pumping fine concrete of up to 16 mm. Because of the self-sealing and adjusting ring, you can even use them for liquid screed (right-hand picture).



Picture shows P 715 SD with skid frame

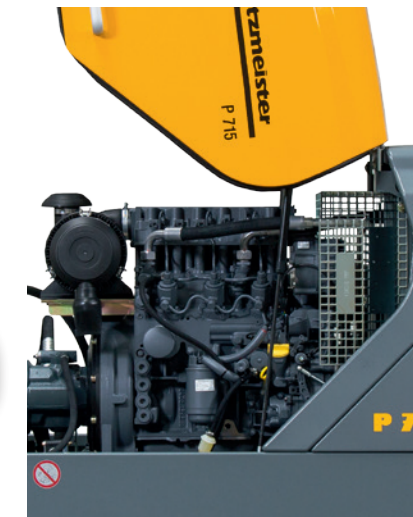
Model	P 715 <sup>TD</sup>	P 715 <sup>SD</sup>	P 715 <sup>TE</sup>	P 715 <sup>SE</sup>
Piston pump	2-cylinder, hydraulically driven			
Theor. delivery rate (piston side)*	4 - 17.4 m <sup>3</sup> /h	4 - 17.4 m <sup>3</sup> /h	4 - 18.2 m <sup>3</sup> /h	4 - 18.2 m <sup>3</sup> /h
Delivery pressure (piston side)*	68 bar	68 bar	68 bar	68 bar
Cylinder diameter/ piston stroke	150 mm/ 700 mm	150 mm/ 700 mm	150 mm/ 700 mm	150 mm/ 700 mm
Strokes per minute	max. 27	max. 27	max. 27	max. 27
Diameter of drive cylinder	80/ 45 mm	80/ 45 mm	80/ 45 mm	80/ 45 mm
Drive motor	3-cylinder Deutz 2011 L3, 34.5 kW		Electric motor, 400 V, 50 Hz, 30 kW	
Hopper capacity	(250 l/ 280 l with rubber collar)			
Chassis	1,900 kg, with brakes	skid frame	1,900 kg, with brakes	skid frame
Weight (full tank)	1,850 kg	1,700 kg	1,800 kg	1,650 kg
Length	4.600 mm	2.950 mm	4.600 mm	2.950 mm
Width	1.520 mm	1.400 mm	1.520 mm	1.400 mm
Height	1.750 mm	1.550 mm	1.650 mm	1.400 mm
Filling height	1.400 mm	1.150 mm	1.400 mm	1.150 mm
Maximum particle size	16 mm	16 mm	16 mm	16 mm
Pressure connection	SK 4.5"	SK 4.5"	SK 4.5"	SK 4.5"

\*The data is based on empirical values and depends on the materials used



**The successful TARGA concept:** We have housed the entire electronic and control system of the P 715 within the "TARGA". All **operating and control elements are positioned ergonomically and logically** on one side. Everything is easy to see and reach.

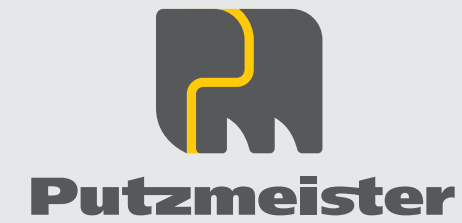
The **easy to read, analog instruments and robust switches** are protected by a sturdy flap. This ensures the instruments remain clean and there is no risk of them being damaged.



**All important areas** are located under the large hood and **can be easily accessed**. That saves you time and money during servicing. The supply of all essential lubrication points around the hopper area can be carried out centrally via the lubrication manifold on the rear of the hopper. If you require, we can also equip your P 715 with a convenient centralised lubrication system.

The **sturdy support feet** hold the pump securely in place during operation. During transportation, they are easily retracted.

## Maximum performance in continuous operation



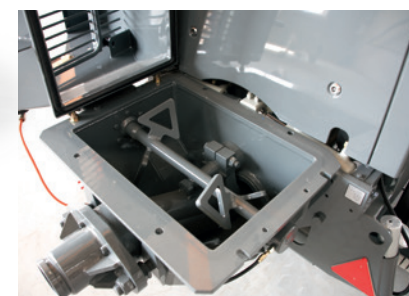
## P 715 equipment and accessories

### Robust and reliable world record breaking technology

The entire P 715 system is designed in such a way that it works reliably even under the tough conditions of continuous operation. As such, we have carefully chosen components use only **extremely robust and long-lasting parts** which meet our strict quality requirements:

- The powerful piston pump has hard chromed delivery cylinders
- The self-adjusting ring is self-sealing and automatically compensates for wear
- The spectacle wear plate at the transition from the hopper to the delivery cylinders is made of hardened steel
- Because of the flow-optimised design of the big S transfer tube, wear is also reduced ...

**The result is minimal wear, low operating costs and a long service life!**



A **vibrator is attached** to the folding safety grille on the hopper to ensure continuous material flow. The **large hopper holds 280 litres** and is designed to pump until almost 100% empty. The remaining residue can easily and conveniently be removed through the emptying flap in the hopper floor when the hopper is cleaned.

The hydraulically driven, **low-lying agitator keeps the mix homogenous** and delivers the pump medium directly in front of the cylinder openings without drawing in air. As a result the fill level is high, the flow of material continuous, and output remains at a high level.

### The heart of the P 715 is the core pump

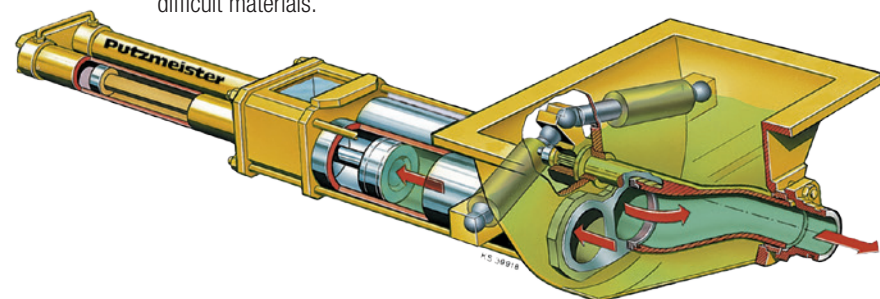
With their core pumps, Putzmeister has long been setting world records in high level and long distance pumping. The successful and extremely robust technology built into their machines is effective and reliable in continuous operation even when pumping difficult materials.

**Furthermore, all wear parts can be very easily replaced:**

- You can conveniently replace the delivery pistons via the easily accessible water box.

- The hydraulic system is located outside the areas associated with the pumped material and, as a result, always remains clean.
- The detachable hopper is simply folded back for cleaning and maintenance.

**The Putzmeister S-transfer tube is specially designed for a long service life and extended service intervals.**



### Standard P 715 equipment

- Vibrator
- Rubber collar attachment
- Cleaning accessories
- Protective helmet (yellow)
- Tool box including tools
- Operating manual and spare parts list
- External pressure setting 40 or 70 bar
- Automotive fuses

### Additional P 715 equipment

- Central grease lubrication
- High-pressure cleaner
- Flushing water pump
- Truck coupling
- Car coupling
- Stroke counter
- Hopper zero report
- Working spotlight
- Air vessel (self-levelling floor screed)
- Particulate filter retrofit
- Exhaust flap
- Lifting eye
- 24 V light holder
- Cable remote control 5 m
- Radio remote control 5 m
- Extension for remote control 20 m
- 2,5 t chassis

### Complete delivery lines

#### for mortar, self levelling floor screed:

- Delivery line PM 50, 40 bar,  
**≤ 8 mm grain size**, 80 m long  
 complete set part-no. 533 046

#### for fine concrete, mortar, self levelling floor screed:

-Delivery line SK 50, 60 bar,  
**≤ 8 mm grain size** 100 m long  
 complete set part-no. 533 038

-High-pressure concrete injection line SK 65/SK50, 3",  
 max. 85 bar, **≤ 10 mm grain size**, 60 m long  
 complete set part-no. 533 048

-Delivery line SK 65, 85 bar,  
**≤ 12 mm grain size**, 100 m long  
 complete set part-no. 533 042

-Flexible delivery line ID 100/ 4,5", 85 bar,  
**≤ 16 mm grain size**, 50 m long  
 complete set part-no. 533 049

Other accessories can be found in our main catalogue or on request.

## P 715 piston pump

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