

P 715 piston pump

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 m³/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.

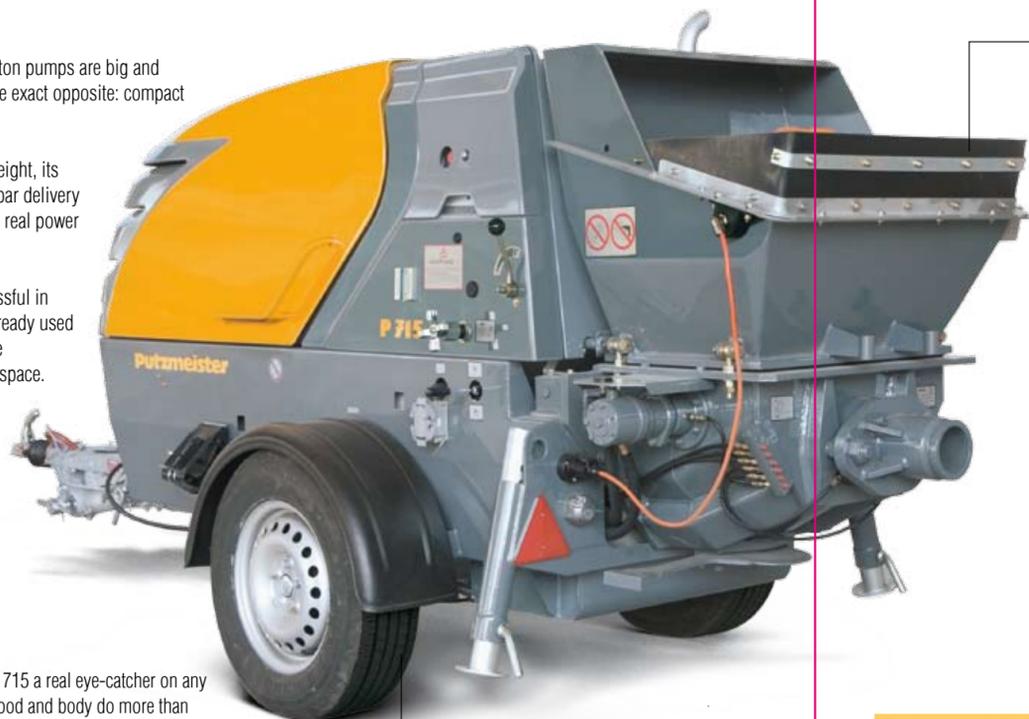
The modern and dynamic design makes the P 715 a real eye-catcher on any construction site. However, the high-quality hood and body do more than simply look good. They also provide you with a lot of practical benefits which extend the P 715's service life and promote its value retention:

- 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.



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).

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



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.



Model	P 715 ^{TD}	P 715 ^{SD}	P 715 ^{TE}	P 715 ^{SE}
Piston pump	2-cylinder, hydraulically driven			
Theor. delivery rate (piston side)*	4 - 17.4 m³/h	4 - 17.4 m³/h	4 - 18.2 m³/h	4 - 18.2 m³/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 diesel engine, Deutz 2011 L3, 34.5 kW		Electric motor, 400 V, 50 Hz, 30 kW	
Hopper capacity	TS 323 (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	4,200 mm	3,067 mm	4,200 mm	3,067 mm
Width	1,510 mm	1,393 mm	1,510 mm	1,395 mm
Height	1,600 mm	1,395 mm	1,600 mm	1,395 mm
Filling height	1,180 mm	973 mm	1,180 mm	973 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"
Part no.	111 591.010	111 591.080	111 591.060	111 591.070

*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

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

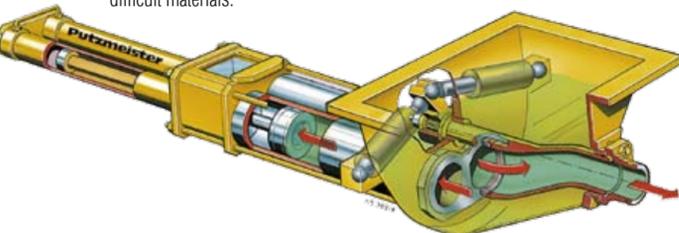
With their core pumps, Putzmeister has long been setting world records in high level and long distance pumping. The successful and extremely robust technology built into their machines is effective and reliable in continuous operation even when pumping difficult materials.

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.



P 715 piston pump



The P 715 is a modern piston pump which is extremely well suited to working on construction sites. It can be used wherever screw pumps or small piston pumps are too weak and large concrete pumps too inefficient and expensive.

The P 715 is the ideal combination of powerful, large-scale pump technology with an extremely compact and user-friendly design.

Standard P 715 equipment and accessories

Standard P 715 equipment

Vibrator, rubber collar attachment, cleaning accessories, protective helmet (yellow), tool box including tools, operating manual and spare parts list.

Optional P 715 accessories

■ Couplings/seals

Clamp coupling SK 4.5"	431 613
Seal	057 341.000
Securing cotter pin	018 878.004

■ Delivery lines, 4.5", SK 100

Delivery pipe, 1 m	056 861.002
Delivery pipe, 2 m	056 862.001
Delivery pipe, 3 m	056 863.000
Delivery pipe, 6 m	057 601.009
HP delivery pipe elbow 45°	057 593.007
HP delivery pipe elbow 90°	421 329
Delivery hose, 2.85 m	057 607.003
Delivery hose, 5 m	057 607.003

■ Cleaning accessories

Sponge ball D 100	016 091.003
Wash-out port lid	057 627.009

Additional P 715 equipment

Centralised lubrication system	489 663
Cable remote control	435 566
Remote control cable	246 781.002
Radio remote control	438 062
High pressure cleaner	448 846
Flushing water pump	439 892
Working light	462 956
Automotive fuses	268 931.005
Ball head coupling	213 458.009
Sieve grille MW (mesh width) 10	514 057
Sieve grille MW 20, detachable	491 025
Lifting eye	525 351

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

Complete delivery lines

■ Pump medium up to 16 mm grain size (SK 4.5", 100 m):

48x clamp coupling	431613
48x seal, ND 100	057 341.000
48x securing cotter pin	018 878.004
4x delivery line elbow, 90°	421 329
1x reducer pipe, 1 m	238 508.002
SK 100/ 4.5"- SK 65/ 3"	
1x pressure gauge, 100 bar	521 430
30x delivery pipe, 3 m	056 863.000
4x delivery pipe, 2 m	056 862.001
2x delivery pipe, 1 m	056 861.002
4 x delivery pipe elbow, 45°	057 593.007
1x delivery hose, 2850 mm	057 607.003
6 x sponge ball, ø 100 mm	000 212.005

■ Shotcrete (SK 65/ PM 50/3. 45 m):

4 x clamp coupling	431 613
4 x seal, ND 100	057 341.000
30 x securing cotter pin	018 878.004
2 x delivery pipe elbow, 90°	421 329
1 x T delivery pipe, 1 m	057 614.009
1x pressure gauge, 100 bar	521 430
1 x reducer pipe, 1 m	224 269.009
SK 100/ 4.5"- SK 65/ 3"	
8x delivery hose, 5 m	057 607.003
15 x seal ND 65, 3"	064 084.004
11 x clamp coupling SK 3"	417 798
1 x transition piece	082 784.001
SK 50/ RA 2"	
1 x PM coupling M 50/ 2"	205 273.001
1 x reducer pipe, 1 m	224 269.009
6 x mortar hose, 13 m	207 617.005
1x concrete spray nozzle	072 157.004
2x air hose, 3/4", 20 m	416 015
6 x sponge ball, ø 60 mm	000 212.005
6 x sponge ball, ø 65 mm	000 246.000

■ Liquid screed (PM 50, 80 m):

4 x clamp coupling	431 613
4 x seal, ND 100	057 341.000
5 x securing cotter pin	018 878.004
1 x delivery pipe elbow, 90°	421 329
1 x reducer pipe, 1.5 m	238 508.002
SK 100/ 4.5"- SK 65/ 3"	
1 x T delivery pipe, 1 m	057 614.009
1 x pressure gauge, 100 bar	521 430
1 x clamp coupling SK 3"	417 798
1 x seal ND 65, 3"	064 084.004
1 x transition piece	082 784.001
1 x PM coupling V50/ RI 2"	205 273.001
6 x mortar hose, 13.3 m	207 617.005
6 x sponge ball, ø 50 mm	000 212.005

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

■ Putzmeister Mörtelmaschinen GmbH

is a member of the Putzmeister Group, with its registered office in Aichtal near Stuttgart.

Since 1958, the Putzmeister Group has been a manufacturer and world-wide provider of mortar machines, fine plaster spray pumps, paint pumps, concrete pumps, tunnelling machines, industrial pumps, large robotics for cleaning complex systems and facilities and professional high-pressure cleaning systems. This strong network offers users and sales partners ideal conditions in terms of competence, investment security and optimum service in all areas.



■ Your Putzmeister partner

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The picture shows some of the special accessories. Subject to technical changes, errors and alterations. Technical data may be changed without prior notice. - For safe and correct operation of the machine, please refer to the appropriate operating manual. © 2010 by Putzmeister Mörtelmaschinen GmbH - All rights reserved. (21003 SD)