

Pumps



**WACKER
NEUSON**
all it takes!



These reasons speak for the pumps from Wacker Neuson.

1. Pumps for a variety of requirements - yours too.

Whether a flooded basement, for the drainage of construction sites or a pond that needs to be filled or emptied: at Wacker Neuson, you always get the right pump solution for your specific requirements. To guarantee that our pumps also work flawlessly even in challenging conditions, we build them to be extremely sturdy, durable and with a lot of attention to detail.

2. Full pump performance – in every application.

No matter how dirty the job in civil engineering is, with our pumps are guaranteed to handle all dirty water along with sharp-edged particulate matter. Of course, they can also clean and transport fresh water on construction sites reliably from A to B. With delivery volumes of up to 2,440 l / min and a lift of 8 meters, they are convincing across the board. In this way you can rely on our high-performance pumps at all times.

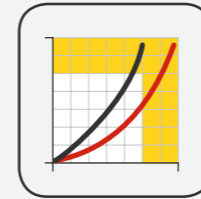
3. Extremely wear resistant – for a long service life.

Over the course of time, a pump has to withstand a great deal: whether used above or underwater, or when conveying dirty water. That is why we only install high quality components. Our equipment therefore permanently withstands wear and takes care of its core job: pumping, pumping, pumping.

Wacker Neuson—all it takes!

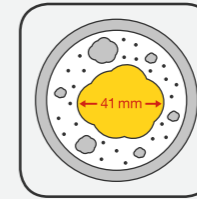
We offer products and services rendered that meet your high requirements and diverse applications. Wacker Neuson stands for reliability. This of course also applies to our over 30 submersible and engine-driven pumps. We do our best every day to ensure your success. And we do this full of passion for our jobs.

Pump expertise in detail.



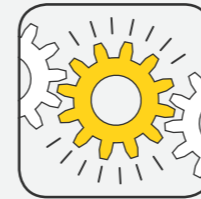
High heads and discharge volumes

With a total head of up to 48.5 meters as well as a discharge volume of up to 2,440 l/min, the pumps from Wacker Neuson convince with peak values.



Managing solid contents

Dirty water often contains particulate matter. Pumps from Wacker Neuson manage matter with a diameter of over 4 cm – without damage to the unit.



Quality for extended running times

High quality, low wear and extremely resistant elements prove themselves during daily application and ensure a long service life as well as reduced maintenance costs.



Safe dry run operation

Even in the event of intermittent operation due to lack of water, submersible pumps from Wacker Neuson are protected from burning out. You can therefore let the equipment run without supervision.

Find the right pump solution for every application:

www.wackerneuson.com/pumpfinder

Overview of all pumps.

Engine-driven pumps



PG series

Max. discharge volume: 2 models
600–1,000 l/min

> Page 04



PT series

3 models
700–2,050 l/min



PDI series

2 models
189–333 l/min

> Page 05

Submersible pumps with AC



PS series

3 models
220–420 l/min



PST series

2 models
200–300 l/min

> Page 06



PSA series

2 models
220–310 l/min

Submersible pumps with three-phase current



PS series

15 models
420–2,440 l/min

> Page 07



PSA series

2 models
420–530 l/min

Engine-driven pumps

From fresh water to liquids with larger solids: the engine-driven pumps from Wacker Neuson were designed and developed for a variety of suction requirements. With respect to the lift and discharge volume, you can therefore always expect a top performance. And due to the high quality and durable elements, you also benefit from a high level of reliability and reduced maintenance costs.

PG series: dewatering pumps for fresh water

- High discharge volume
- Air-cooled single cylinder 4-cycle gasoline engine
- Sturdy protective frame and convenient lift handle for easy transport
- Simple operation and handling



Powerful and fast: centrifugal pumps of the PG series for fresh water.

Sturdy and durable: high performance pumps of the PT series for harsh job site works.



PT series: self-priming trash pumps for dirty water

- Very high discharge volume, ideal for quick drainage
- Automatic shutdown in the event of a low oil level prevents damage to the machine
- Simple operation and good maintenance access

	PG	PT	PDI
Versions	2 models	3 models	2 models
Total head (m)	30	27–30	15
Max. discharge volume (l/min)	600–1,000	700–2,050	189–333
Weight (kg)	24–31	47–82	59–63

PDI series: diaphragm pump for dirty water

- Safe to dry run, therefore operation without supervision is possible
- Reinforced diaphragm for particulate matter with sharp-edged parts
- Continuous pump operation due to pressure compensating chamber
- Easy to transport, since the pump, including the intake and pressure pipe joints, are built to be very compact



Time-tested and proven in seepage water areas and with highly fluctuating amounts of water – the PDI series.

Typical application areas

PG series	Basement flooding, watering and draining garden ponds and swimming pools, irrigation for gardening and landscaping
PT series	Excavations, pipeline construction, gravel pits, trench applications as well as sites where large volumes of water need to be moved quickly, such as disaster control
PDI series	Drainage of sludge masses and seepage areas, basement flooding, seepage water on construction sites



Convincing: The PG series is easy to operate and is quickly ready for use.



Drains efficiently: The PT series is ideal when things need to move quickly.



Unprecedented: The PDI equipment manages particulates like no other pump.

Electric submersible pumps

The electric submersible pumps from Wacker Neuson are extremely sturdy, wear resistant and perform extremely well in extreme situations: whether dealing with large discharge volumes and heads or whether the fluid to be conveyed is only a few millimeters high. You can always rely on our submersible pumps.

	PS	PST	PSA
Versions	3 models	2 models	2 models
Total head (m)	12-21	12-19	12-18
Max. discharge volume (l/min)	220-420	200-227	220-310
Weight (kg)	9.5-32.5	11.3-19	10-13.8

Electric AC pumps (1~)

- Convey particulate matter up to 9.5 mm in size
- Even with intermittent operation due to lack of water there is no damage, which is why operation without supervision is possible
- Integrated thermal overload protection breaker prevents damage to the motor



Three-phase current pumps allow for the **quick draining of surfaces.**



Very long service life
thanks to
cast housing



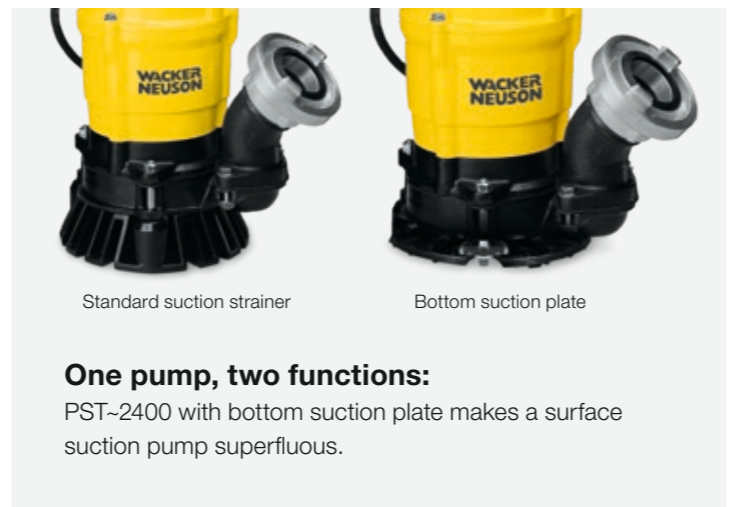
Extreme discharge volume
up to 2,440 l/min.



	PS2	PS3	PS4	PSA
Versions	5 models	4 models	6 models	2 models
Total head (m)	20-36.5	14.4-32	18-48.5	20-24
Max. discharge volume (l/min)	420-530	670-1,100	1,400-2,440	420-530
Weight (kg)	19.5-55	29-66	55-130	20-23.5



Electric submersible pumps that are safe to dry run: even during long intermittent operation due to lack of water thanks to the built-in oil lifter.



Standard suction strainer Bottom suction plate

One pump, two functions:
PST~2400 with bottom suction plate makes a surface suction pump superfluous.



Time-tested and proven in application: high performance power cable with strain relief and high quality insulation for the PS series.

Typical application areas

AC pumps	Basement flooding, watering and draining garden ponds or swimming pools
Three-phase current pumps	Water drainage, construction sites flooding, concrete treatment plants in ready-mixed concrete and precast plants, gravel pit

Accessories for pumps

	Diameter in inches	Length in meters
Pressure hoses – Bulk/material sold by the meter without couplings (premium pressure hoses, burst pressure 40 bar)	2"	Bulk/material sold by the meter Bulk/material sold by the meter
	3"	
Pressure hoses with Storz-type quick-disconnect couplings (premium pressure hoses, burst pressure 40 bar)	2"	10, 20 or 30
	3"	10, 20 or 30
	4"	10, 20 or 30
Quick disconnect coupling for pressure hoses (pump side)	2"	–
	3"	–
Quick disconnect coupling for pressure hoses (hose side)	2"	–
	3"	–
Coupling wrench	2"	–
	3"	–
	4"	–
Hose clamp	2"	–
	3"	–
GEKA Coupling adapter Storz C – GEKA 1-1/2"	2"	–

	Diameter in inches	Length in meters
Suction hoses without couplings	2"	6
	3"	6
Suction hoses with 2 Storz-type couplings	2"	7
	3"	7
Coupling (pump side)	2"	–
	3"	–
Coupling (strainer side)	2"	–
	3"	–
Metal suction strainer for the PG series	2"	–
	3"	–
Synthetic material suction strainer for the PG series	2"	–
	3"	–
Metal suction strainer for the PDI and PT series	2"	–
	3"	–
Connecting piece with thread on both sides for fixed coupling	2"	–
	3"	–
Transport device for the PT series	–	–

	kW (A)	Adjustable range	Plug type	Drain connection (inches)
Bottom suction plate for PST-2400	–	–	–	–
External level controls for three-phase current submersible pumps without level control	4.0 (32)	–	–	–
	7.5 (32)	–	–	–
	11.0 (32)	–	–	–
	4.0 (16)	–	–	–
	7.5 (16)	–	–	–
Motor protection plug for submersible pumps	–	2.5–4.0	16 A, 400 V	–
	–	4.0–6.3	16 A, 400 V	–
	–	6.3–10.0	16 A, 400 V	–
	–	10.0–16.0	16 A, 400 V	–
	–	6.0–10.0	32 A, 400 V	–
	–	10.0–16.0	32 A, 400 V	–
90° elbow for PSC series	–	–	–	2"
	–	–	–	3"
	–	–	–	4"
Storz-type quick-disconnect coupling for PSC series	–	–	–	2"
	–	–	–	3"
	–	–	–	4"

Technical data

		PG2	PG3
DIMENSIONS		UNIT	
Intake and pressure pipe Ø	mm	50	75
Length	mm	480	515
Width	mm	375	405
Height	mm	395	460
Operating weight	kg	24	31
DISCHARGE VALUES		UNIT	
Total head	m	30	30
Max. discharge volume	l/min	600	1,000
Max. suction height	m	7.5	7.5
Max. solids Ø	mm	6.5	6.5
ENGINE		UNIT	
Drive engine	–	Air-cooled single cylinder 4-cycle gasoline engine	Air-cooled single cylinder 4-cycle gasoline engine
Drive manufacturer	–	Honda	Honda
Model	–	WM 130	WM 170
Displacement	cm ³	126	169
Rating (DIN ISO 3046)	kW	3.2	4.2
At revolutions per minute (rpm)	rpm	3,600	3,600
Max. fuel consumption	l/h	1.3	1.8
Tank capacity (fuel)	l	2.7	3.6

		PT2A	PT3A	PT4A	PDI2A	PDI3A
DIMENSIONS		UNIT				
Intake and pressure pipe Ø	mm	50	80	100	50	75
Length	mm	620	705	755	996	1,057
Width	mm	462	505	540	455	455
Height	mm	481	570	560	589	589
Operating weight	kg	47	66	82	59	63
DISCHARGE VALUES		UNIT				
Total head	m	30	27	30	15	15
Max. discharge volume	l/min	700	1,450	2,050	189	333
Max. suction height	m	8	8	8	7.5	7.5
Max. solids Ø	mm	25	40	50	38	41
ENGINE		UNIT				
Drive engine	–	Air-cooled single cylinder 4-cycle gasoline engine	Air-cooled single cylinder 4-cycle gasoline engine	Air-cooled single cylinder 4-cycle gasoline engine	Air-cooled single cylinder 4-cycle gasoline engine	Air-cooled, single cylinder, four-cycle, gasoline engine
Drive manufacturer	–	Honda	Honda	Honda	Honda	Honda
Model	–	GX 160	GX 270	GX 390	GX 120	GX 120
Displacement	cm ³	163	270	389	118	118
Rating (DIN ISO 3046)	kW	3.6	6.3	8.7	2.6	2.6
At revolutions per minute (rpm)	rpm	3,600	3,550	3,500	2,800	2,800
Max. fuel consumption	l/h	1.4	2.7	3.1	1.1	1.1
Tank capacity (fuel)	l	3.1	5.3	6.1	2.5	2.5

Technical data

DIRTY WATER PUMPS, AC (1~)

		PST2400	PST3750	PS2500	PSA2500	PS2800	PSA2800	PS21500	
DIMENSIONS		UNIT							
Pressure pipe joint diameter	mm	50	80	50	50	50	50	50	
Length	mm	255	285	185	220	192	223	187	
Width	mm	185	185	185	185	187	187	187	
Height	mm	330	388	304	305	341	341	600	
Operating weight	kg	11.3	19	9.5	10	13.2	13.8	32.5	
DISCHARGE VALUES		UNIT							
Total head	m	12	19	12	12	15	15	17.5	
Max. discharge volume	l/min	200	230	236	236	310	310	420	
Max. solids Ø	mm	9.5	7	6.0	6.0	6.0	6.0	6.0	
ENGINE		UNIT							
Drive motor	-	60 Hz 1~	60 Hz 1~	60 Hz 1~	60 Hz 1~	60 Hz 1~	60 Hz 1~	60 Hz 1~	
Voltage	V	230	230	230	230	230	230	230	
Power (Full load / start at 400 V)	A	2.6/7.0	4.6/14	2.9/7.0	2.9/7.0	5/12.3	5/12.3	14.8/65	
Performance	kW	0.4	0.75	0.5	0.5	0.75	0.75	1.2	
At revolutions per minute (rpm)	rpm	3,000	2,820	3,000	3,000	2,730	2,730	2,900	
Cable length	m	6.2	10	10	10	10	10	10	
Cross-section	mm ²	1	1	1	1	1	1	4	

DIRTY WATER PUMPS, THREE-PHASE CURRENT (3~)

		PS31503	PS32203	PS33703	PS35503
DIMENSIONS		UNIT			
Pressure pipe joint diameter	mm	75	75	75	75
Length	mm	235	235	285	305
Width	mm	215	215	250	260
Height	mm	550	570	655	695
Operating weight	kg	29	32	55	66
DISCHARGE VALUES		UNIT			
Total head	m	14.4	20.4	29	32
Max. discharge volume	l/min	670	800	900	1,100
Max. solids Ø	mm	8.5	8.5	8.5	8.5
ENGINE		UNIT			
Drive motor	-	50 Hz 3~	50 Hz 3~	50 Hz 3~	50 Hz 3~
Voltage	V	400	400	400	400
Power (Full load / start at 400 V)	A	3.4/20	5.5/36	7.5/58	10.8/86
Performance	kW	1.5	2.2	3.7	5.5
At revolutions per minute (rpm)	rpm	2,850	2,860	2,850	2,860
Cable length	m	20	20	20	20
Cross-section	mm ²	1.5	1.5	1.5	2.5

DIRTY WATER PUMPS, THREE-PHASE CURRENT (3~)

		PS21503	PS21503L	PSA21503L	PS22203	PS22203L	PSA22203L	PS23703	PS43703	PS45503	PS47503HH	PS47503HF	PS411003HH	PS411003HF	
DIMENSIONS		UNIT													
Pressure pipe joint diameter	mm	50	50	50	50	50	50	50	100	100	100	100	100	100	
Length	mm	235	240	240	235	240	240	285	285	305	330	330	375	375	
Width	mm	215	240	240	215	240	240	250	250	260	315	315	350	350	
Height	mm	584	392	482	570	412	482	655	675	653	688	785	794	805	
Operating weight	kg	29	19.5	20	32	23	23.5	55	55	66	93	93	130	130	
DISCHARGE VALUES		UNIT													
Total head	m	23	20	20	26	24	24	36.5	18	24	41.8	31	51	32.5	
Max. discharge volume	l/min	400	420	420	500	530	530	450	1,620.6	1,750	1,320.3	2,040	1,427.5	2,440	
Max. solids Ø	mm	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	3.5	8.5	20	8.5	20	
ENGINE		UNIT													
Drive motor	-	60 Hz 3~	50 Hz 3~	50 Hz 3~	50 Hz 3~	50 Hz 3~	50 Hz 3~	50 Hz 3~	50 Hz 3~	60 Hz 3~	60 Hz 3~	50 Hz 3~	60 Hz 3~	50 Hz 3~	
Voltage	V	400	400/415	400/415	400	400/415	400/415	400	400	400	400	400	400	400	
Power (Full load / start at 400 V)	A	3.4/20	3.3/19	3.3/19	5.5/36	4.3/30	4.3/50	7.5/58	7.5/58	10.8/86	14.3/117	14.3/117	21/152	21/152	
Performance	kW	1.5	1.5	1.5	2.2	2.2	2.2	3.7	3.7	5.5	7.5	7.5	11	11	
At revolutions per minute (rpm)	rpm	2,850	2,870	2,870	2,860	2,870	2,870	2,850	2,850	2,860	2,880	2,880	2,910	2,910	
Cable length	m	15	20	20	20	20	20	20	20	15	15	20	15	20	
Cross-section	mm ²	1.5	5	5	1.5	5	5	1.5	1.5	2.5	4.0	4.0	4.0	4.0	

The Wacker Neuson product range includes over 300 different product series with different variants. The product data may vary accordingly with the selection of different options. Not all Wacker Neuson products listed or shown here are however available or allowed in all countries.

The Wacker Neuson products shown are examples and as such are subject to changes. We are happy to make you a specific offer upon request!

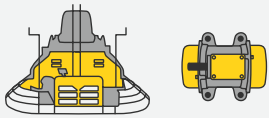
Reproduction only with the written approval of Wacker Neuson.

© Wacker Neuson SE

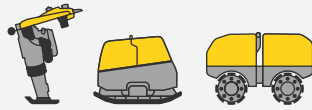
Your everyday work day is full of challenges. We have the right solutions and help you to be ahead of the competition.

We offer you everything you need for this purpose: **Wacker Neuson—all it takes!**

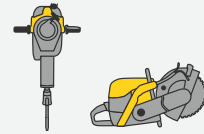
Products



Concrete technology



Compaction



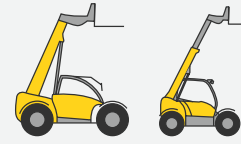
Demolition technology



Excavators



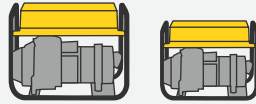
Wheel loaders



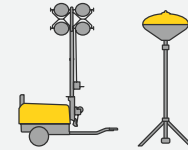
Telehandlers



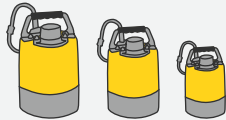
Dumpers



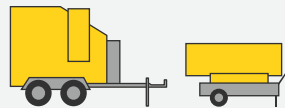
Generators



Lighting



Pumps



Heaters



Used equipment

Services



Financial solutions



Repair & maintenance



Academy



Rental



Telematics



The concrete specialists



eStore

Spare parts



www.wackerneuson.com



WN.EMEA.10171.V02.EN-US