

Grundfos SB & SBA

Reliable submersible pressure pumps

Grundfos SB & SBA pumps are submersible pressure pumps for domestic applications such as private wells and rainwater tanks. Robust, noiseless and easy to install, they reliably deliver up to 3m³ flow per hour.

Both pumps are submersible multistage boosters for pumping clean water. The SB operates with an external control unit like Grundfos PM1 or PM2, while the SBA is an all-in-one solution with integrated controller.

Built for reliability

Noiseless operation

No noise emitted when submerged – a noiseless alternative to dry installed pumps.

Robust and reliable

Robust design and corrosion-resistant build of composite and stainless steel materials.

Energy efficient

Meets the Efficiency Index benchmark of MEI ≥ 0.70 for most efficient water pumps.

Integrated protection

Automatically stops operating in cases of overheating or dry-running, restarting when safe.

Ideal for rainwater harvesting

In addition to private wells, SB and SBA pumps are ideally suited for submerging in rainwater tanks, where roof run-off is collected and filtered.

Harvested rainwater is ideal for garden watering, toilet flushing, washing machines and car washing, thus saving drinking water for drinking. It reduces the risk of flooding with less pressure on the sewer at peak loads, and since it is soft water, prolongs the life of appliances.



No clogging

Stainless steel strainers prevent large particles from entering the pump housing.

Floating inlet strainer

Optional floating suction strainer draws clean, particle-free water from just below the water surface.

Non-return valve

Supplied with non-return valve to avoid emptying the pipe during pump stop.

SBA: a model of simplicity

Just plug in and start pumping with the SBA, the easy to install, all-in-one pump with integrated control unit.



Built to your needs

Grundfos SB



The SB pump is used with an external control. The SBA automated booster has built-in control. All SB and SBA pumps are available with an integrated suction strainer (1 mm mesh), or with side inlet/flexible suction hose with floating suction strainer (1 mm mesh).

Grundfos SBA



All variants are available with or without a float switch. The float switch stops the pump at low water level, ensuring that surface fragments do not enter the strainer.

Quick sizing

	Vertical Max. H _{geo} [m] 1" pipe*		Horizontal Max. L [m] 1" pipe*	3/4" ** / 1/2" *** pipe	Total hor. length [m] with 1" + 3/4" / 1" + 1/2" pipes
SB(A) 3-45 at 3m ³ /h 2.8 bar	15		15	20/4	25/19
	15		10	22/5	32/15
	10		15	33/8	48/23
	10		10	35/8.5	45/18.5
	5		15	46/11	61/26
	5		10	48/11.5	58/22.5
SB(A) 3-35 at 3m ³ /h 2.4 bar	15		15	9/2	16/17
	15		10	11/3	21/13
	10		15	23/5.5	38/20.5
	10		10	25/6	35/16
	5		15	36/8.5	51/23.5
	5		10	38/9	48/19

- * Inner-ø 25mm
- ** Inner-ø 20mm
- *** Inner-ø 15mm

Preconditions

- 3 bar tap pressure is considered, to achieve 4 bar pressure add 2 more floors
- Flooded Suction
- 0.5 l/s per tap average, usage pattern is taken into account enter the strainer.

- The calculation is based on the assumption that inside the home you use ½" for piping or ¾".
- From the cistern to the house and to that point where you change to a smaller diameter use 1".
- There are considered a NRV and gate valve, an extension from small to bigger pipe and a few 90° bends



Suction kit blue

- 1M. D25 THR. 1" GAS BOX (best. no. 98394164)
- 1M. D25 THR. 1" NPT BOX (best. no. 98394165)
- 1M. D25 THR. 1" GAS BULK (best. no. 97709360)
- 1M. D25 THR. 1" NPT BULK (best. no. 97709371)

Hose length	1000 mm
Ball diameter	150 mm
Foot valves material	Polypropylene
Connection	1"
Hose material	PVC



Find out more

For full technical details of all SB/SBA variants, visit the Grundfos Product Centre.

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