

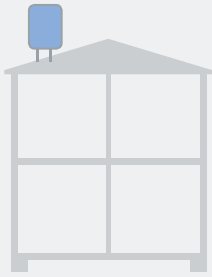







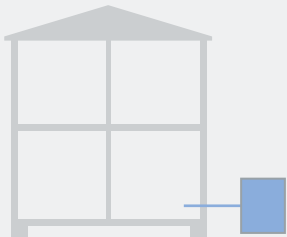



PERFECT WATER
THROUGHOUT THE HOME

QUICK SELECTION GUIDE

FOR PRESSURE BOOSTING

PRESSURE BOOSTING - PUMP SELECTION

Use the table below to select the best Grundfos pump for any type of water supply task. Once you've settled on a pump model, use the corresponding sizing guide to get the perfect fit.


	Good	Better	Best
 Boosting from roof tank	 UPA	 MQ	 SCALA2
Positive inlet pressure (down to 1 meter below ground level)  Boosting from tank	 Jet pump & booster	 MQ	 SCALA2
 Boosting from mains	 CM BOOSTER	 SCALA2	 CME BOOSTER

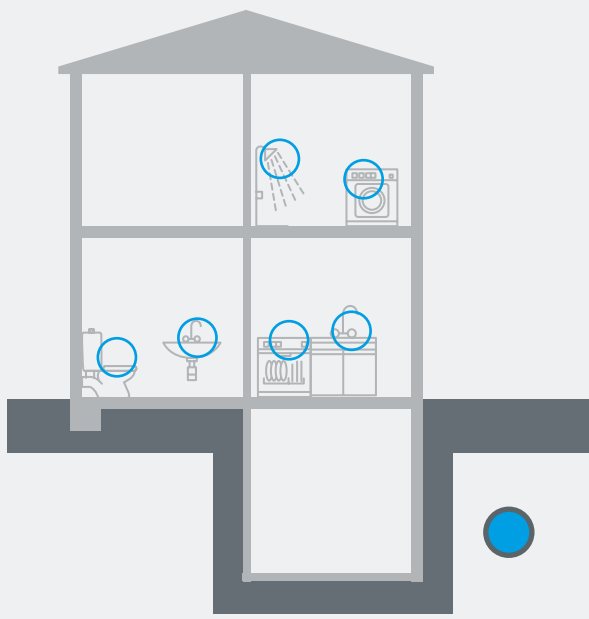
PRESSURE BOOSTING - PUMP SELECTION

Use the table below to select the best Grundfos pump for any type of water supply task. Once you've settled on a pump model, use the corresponding sizing guide to get the perfect fit.

	Good	Better	Best
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Negative inlet pressure</p>  <p>Boosting from well or tank with a depth of less than 8 metres</p>	<p>DRY INSTALLED</p>  <p>Jet pump & booster</p>	 <p>MQ</p>  <p>CMB SP</p>	 <p>SCALA2</p>
	<p>SUBMERGED</p>  <p>SB with PM1 or PM2</p>	 <p>SBA</p>	
 <p>Boosting in well, tank or borehole with a depth of more than 8 metres</p>		 <p>SQ</p>	 <p>SQE CONSTANT PRESSURE PACKAGE</p>

PRESSURE BOOSTING - QUICK SIZING

 Tapping point




Ex. sizing and selection

- Required comfort level:**
- Adjustable constant pressure
- Find the right booster:**
- How many taps: 6 taps
- How many floors: 3 floors
- Result: **CMBE 1-44****












Taps	1-5	6-10
Floors		
4	CMBE 1-75	CMBE 1-75
3	CMBE 1-44	CMBE 1-44
2	CMBE 1-44	CMBE 1-44
1	CMBE 1-44	CMBE 1-44

ADJUSTABLE CONSTANT PRESSURE LEVEL




**CME BOOSTER/
CMBE TWIN BOOSTER**

- Adjustable constant pressure level
- Dry-run protection
- Low noise <55dB (A)








Floors \ Taps	 1-5	 6-10	 11-20	 21-50	 51-70	 71-90	 91-120
 4	1-75	1-75	3-62*	3-93*	3-93**	3-93**	N/A
 3	1-44	1-44	3-62*	3-62*	5-62*	3-62**	5-62**
 2	1-44	1-44	3-62*	3-62*	5-62*	3-62**	5-62**
 1	1-44	1-44	3-30*	3-62*	5-31*	3-62**	5-31**

* CMBE or CMBE TWIN (duty/standby - setup done via Grundfos GO Remote app)
** CMBE TWIN only



SCALA2


- All-in-one design
- Dry-run protection


Floors \ Taps	 1-5	 6-10	 11-20
 4	SCALA2 3-45*		
 3	SCALA2 3-45	SCALA2 3-45	
 2	SCALA2 3-45	SCALA2 3-45	
 1	SCALA2 3-45	SCALA2 3-45	SCALA2 3-45


* Max 15 meter to highest tap point

PRESSURE BOOSTING - QUICK SIZING

CONVENTIONAL PUMP CONTROL

 <p>UPA</p> <ul style="list-style-type: none"> · Low noise · High energy efficiency · Easy installation 	Taps 1-2	Taps 2-4	Taps 4-8
	UPA15-90	UPA15-120	UPA-15-160
	UPA15-90	UPA15-120	UPA-15-160
	UPA15-90	UPA15-120	UPA-15-160
	UPA15-90	UPA15-120	UPA-15-160

 <p>CM BOOSTER</p> <ul style="list-style-type: none"> · Compact design · Dry-run Protection · Easy installation 	Floors\Taps	1-5	6-10	11-20	21-50
	4	CMB 1-54	CMB 3-47	CMB 3-47	CMB 5-47
	3	CMB 1-45	CMB 3-37	CMB 3-47	CMB 5-47
	2	CMB 1-45	CMB 3-37	CMB 3-47	CMB 5-4
	1	CMB 1-36	CMB 3-28	CMB 3-37	CMB 5-4
<ul style="list-style-type: none"> · Adjustable start pressure · Pressure read-out · Cycling protection · Max run time stop · Auto-reset 			Fixed pressure		
<p>CMB PM2</p> <p>Max height 45 m</p>			<p>CMB PM1 22</p> <p>Max height 18 m</p>		<p>CMB PM1 15</p> <p>Max height 11 m</p>


 <p>MQ</p> <ul style="list-style-type: none"> · All-in-one design · Dry-run Protection · Self priming 	Floors\Taps	1-5	6-10	11-20
	4	MQ 3-45*		
	3	MQ 3-45	MQ 3-45	
	2	MQ 3-35	MQ 3-45	
	1	MQ 3-25	MQ 3-35	MQ 3-45
* Max 15 meter to highest tap point				


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

PRESSURE BOOSTING - QUICK SIZING

CONVENTIONAL PUMP CONTROL

 <p>Jet pump & booster</p> <ul style="list-style-type: none"> · Easy to install · Self-priming · Robust design 	Taps or m³/h			
	1-5 taps 1-2 m³/h	6-10 taps 3-4 m³/h	11-20 taps 4-5 m³/h	
	Manually controlled water supply	JP 3-42	JP 4-47/54	JP 5-48
	Constant water supply with pressure-drop compensation	JP 3-42 PT-V/H	JP 4-47/54 PT-V/H	JP 5-48 PT-V/H
Constant water supply. Dry-running protection and anti-cycling function	JP 3-42 PM	JP 4-47/54 PM	JP 5-48 PM	

 <p>SBA</p>	Application	Recommended pump
	One-storey house For toilet flushing, washing machine, car washing and garden watering	SBA 3-35
	Two-storey house For toilet flushing, washing machine, car washing and garden watering	SBA 3-45

 <p>SB</p>	General recommendation	Application	Recommended pump
	If the distance from tank wall to the pump is above 1.5 metres (4.9 feet), the model with side inlet should be selected. If the distance from tank wall to the pump is less 1.5 metres (4.9 feet), the model with suction strainer should be selected.	One-storey house For toilet flushing, washing machine, car washing and garden watering	SB 3-35
		Two-storey house For toilet flushing, washing machine, car washing and garden watering	SB 3-45

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