

**PERFECT WATER**  
THROUGHOUT THE HOME

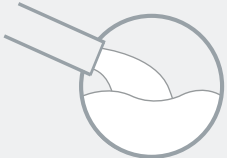
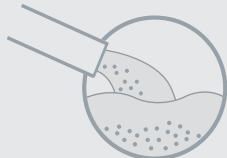
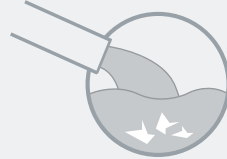
# **QUICK SELECTION GUIDE**

FOR DRAINAGE

## WASTE WATER - PUMP SELECTION

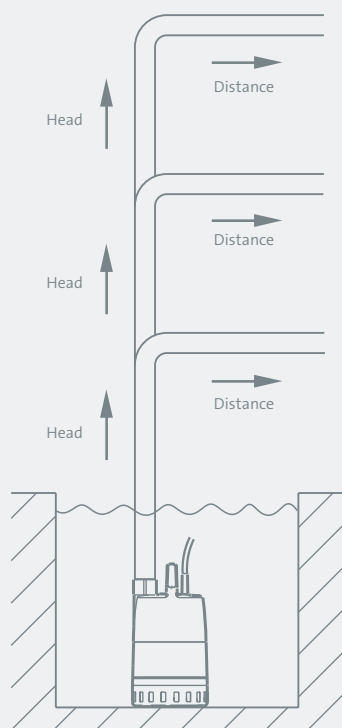
Use the tables below to select the best Grundfos pump for any type of wastewater task. Once you've settled on a pump model, use the corresponding sizing guide to get the perfect fit.

### DRAINAGE

		Max. solid size [mm]	
 <p><b>Drainage</b> For portable use or permanent installation, clean or greywater and salt water*</p>	Light duty	10 mm	<b>UNILIFT CC</b>
		10 mm	<b>UNILIFT KP</b>
	Heavy duty	12 mm	<b>UNILIFT AP12</b>
 <p><b>Effluent</b> Surface- and rainwater as well as greywater from sanitary appliances</p>		35 mm	<b>UNILIFT AP35</b>
		35 mm	<b>UNILIFT AP35B</b>
		50 mm	<b>UNILIFT AP50</b>
 <p><b>Sewage/Domestic wastewater</b> Domestic wastewater with toilet discharge</p>		50 mm	<b>UNILIFT AP50B</b>

\* Only special version of UNILIFT CC 7 and 9

# DRAINAGE - QUICK SIZING



## Ex. sizing and selection

**1. Select the best Grundfos pump for the type of wastewater task you need to solve:**

- Use the table on previous page

**2. Find the right pump:**

- How head: 9 m

- How long distance: 400 m

**3. Result: **AP12.50.11****

	AP12.40.08	AP12.50.11
Head \ Distance		
14 m		Max. 95 m
12 m	Max. 1 m	Max. 200 m
10 m	Max. 150 m	Max. 410 m
8 m	Max. 310 m	Max. 620 m

The selection and sizing illustration is based on an inner diameter of a DN 32 discharge pipe and secure a self cleaning velocity inside the pipe.




**UNILIFT CC**

	CC 5	CC 7	CC 9
Head \ Distance			
7 m			Max. 45 m
6 m			Max. 80 m
5 m		Max. 15 m	Max. 115 m
4,5 m		Max. 35 m	Max. 130 m
4 m		Max. 50 m	Max. 150 m
3 m		Max. 80 m	Max. 180 m
2,5 m	Max. 10 m	Max. 100 m	Max. 200 m
2 m	Max. 25 m	Max. 110 m	Max. 215 m


## DRAINAGE - QUICK SIZING

 <p><b>UNILIFT KP</b></p>	The selection and sizing illustration is based on an inner diameter of a DN 32 discharge pipe and secure a self cleaning velocity inside the pipe.			
		<b>KP 150</b>	<b>KP 250</b>	<b>KP 350</b>
	Head\Distance			
	7 m			Max. 25 m
	6 m		Max. 20 m	Max. 60 m
	5 m		Max. 50 m	Max. 95 m
	4 m		Max. 85 m	Max. 130 m
	3,5 m	Max. 15 m	Max. 105 m	Max. 145 m
	3 m	Max. 30 m	Max. 120 m	Max. 160 m
	2 m	Max. 65 m	Max. 160 m	Max. 195 m

 <p><b>UNILIFT AP12</b></p>	The selection and sizing illustration is based on an inner diameter of a 1 1/2" pipe for UNILIFT AP12.40 and 2" pipe for UNILIFT AP12.50 and secure a self cleaning velocity inside the pipe.				
		<b>AP12.40.04</b>	<b>AP12.40.06</b>	<b>AP12.40.08</b>	<b>AP12.50.11</b>
	Head\Distance				
	14 m				Max. 8 m
	12 m			Max. 40 m	Max. 115 m
	10 m		Max. 60 m	Max. 130 m	Max. 250 m
	8 m	Max. 45 m	Max. 150 m	Max. 220 m	Max. 370 m
	6 m	Max. 135 m	Max. 240 m	Max. 310 m	Max. 490 m
	4 m	Max. 225 m	Max. 330 m	Max. 400 m	Max. 610 m
	2 m	Max. 320 m	Max. 420 m	Max. 495 m	Max. 735 m

## DRAINAGE - QUICK SIZING

 <p><b>UNILIFT AP35</b></p>	The selection and sizing illustration is based on an inner diameter of a 1½" pipe and secure a self cleaning velocity inside the pipe.		
		<b>AP35.40.06</b>	<b>AP35.40.08</b>
	Head\Distance		
	9 m		Max. 30 m
	8 m		Max. 75 m
	7 m	Max. 35 m	Max. 120 m
	6 m	Max. 80 m	Max. 165 m
	5 m	Max. 130 m	Max. 215 m
	4 m	Max. 170 m	Max. 255 m
	3 m	Max. 220 m	Max. 305 m
2 m	Max. 265 m	Max. 350 m	

 <p><b>UNILIFT AP35B</b></p>	The selection and sizing illustration is based on an inner diameter of a 2" pipe and secure a self cleaning velocity inside the pipe.		
		<b>AP35B.50.06</b>	<b>AP35B.50.08</b>
	Head\Distance		
	9 m		Max. 15 m
	8 m		Max. 75 m
	7 m	Max. 20 m	Max. 135 m
	6 m	Max. 80 m	Max. 195 m
	5 m	Max. 140 m	Max. 260 m
	4 m	Max. 200 m	Max. 320 m
	3 m	Max. 260 m	Max. 385 m
2 m	Max. 325 m	Max. 440 m	

## DRAINAGE - QUICK SIZING

 <p><b>UNILIFT AP50</b></p>	The selection and sizing illustration is based on an inner diameter of a 2" pipe and secure a self cleaning velocity inside the pipe.		
		<b>AP50.50.08</b>	<b>AP50.50.11</b>
	Head\Distance		
	9 m		Max. 55 m
	8 m		Max. 115 m
	7 m	Max. 45 m	Max. 175 m
	6 m	Max. 105 m	Max. 235 m
	5 m	Max. 165 m	Max. 295 m
	4 m	Max. 225 m	Max. 360 m
	3 m	Max. 285 m	Max. 405 m
2 m	Max. 350 m	Max. 480 m	

 <p><b>UNILIFT AP50B</b></p>	The selection and sizing illustration is based on an inner diameter of a 2" pipe and secure a self cleaning velocity inside the pipe.			
		<b>AP50B.50.08</b>	<b>AP50B.50.11</b>	<b>AP50B.50.15</b>
	Head\Distance			
	14 m			Max. 65 m
	12 m			Max. 190 m
	11 m		Max. 25 m	Max. 250 m
	10 m		Max. 85 m	Max. 310 m
	9 m		Max. 145 m	Max. 370 m
	8 m	Max. 45 m	Max. 205 m	Max. 430 m
	6 m	Max. 165 m	Max. 330 m	*
5 m	Max. 225 m	Max. 390 m	*	
4 m	Max. 285 m	Max. 450 m	*	
3 m	Max. 345 m	*	*	
2 m	Max. 490 m*	Max. 740 m*	Max. 1060 m*	

\*The pumps shall not operate for longer time with this Head