

**Above ground water storage (flooded suction)**

	Pump Selection	Estimated Peak Flowrate demand (Litres per Minute)					
		20 L/min	30 L/min	40 L/min	50 L/min	60 L/min	70 L/min
Single Level Home 250kPa	Option A	INOX 60PC 20 l/m @ 250 kPa	INOX 80PC 30 l/m @ 250 kPa	INOX 100PC 40 l/m @ 250 kPa	DAB-EUROINOX 40/50 MP 50 l/m @ 250 kPa	DIVERTRON 1200 60 l/m @ 250 kPa DAB-JINOX102MPC 60 l/m @250kpa	DAB-JINOX132MP 70 l/m @250 kpa
	Option B	INOX 60MP 20 l/m @ 250 kPa	INOX 80MP 30 l/m @ 250 kPa	DAB-JINOX 102MP 40 l/m @ 300 kPa	DAB-JINOX102MPC 50 l/m @ 300 kpa DIVERTRON 1200 50 l/m @ 300 kpa	DIVERTRON 1200 60 l/m @ 250 kPa DAB-JINOX102MPC 60 l/m @250kpa	DAB-EUROINOX40-50MP 70 l/m @ 250 kpa
Two Level Home 300Kpa	Option A	INOX 100PC 20 l/m @ 330 kPa	INOX 100PC 30 l/m @ 310 kPa	DAB-JINOX 102MP 40 l/m @ 300 kPa	DAB-JINOX102MPC 50 l/m @ 300 kpa DIVERTRON 1200 50 l/m @ 300 kpa	DAB-JINOX112MPC 60 l/m @300kpa	DAB-JINOX132MP 70 l/m @300 kpa
	Option B	INOX 100MP 20 l/m @ 330 kPa	INOX 100MP 30 l/m @ 310 kPa	DAB-JINOX 102MP 40 l/m @ 300kPa	DAB-JINOX102MP 50 l/m @ 300 kpa DIVERTRON 1200 50 l/m @ 300 kpa	DAB-JINOX112MP 60 l/m @300kpa	DAB-EUROINOX40-50MP 70 l/m @ 300 kpa

**Buried water storage or pump above tank or long suction line**

	Pump Selection	Estimated Peak Flowrate demand ( Litres per Minute)					
		20 L/min	30 L/min	40 L/min	50 L/min	60 L/min	70 L/min
Single Level Home 250kPa	Option A	INOX 100 MP 20 l/m @ 310 kPa	INOX 100 MP 30 l/m @ 290 kPa	INOX 100 MP 40 l/m @ 250 kPa	DIVERTRON 1200 50 l/m @ 250 kpa DAB- JINOX102MP 50 l/m @ 300 kpa	DIVERTRON 1200 60 l/m @ 250 kPa DAB-JINOX112MP 60 l/m @300kpa	DAB-JINOX132MP 70 l/m @300 kpa
	Option B	DAB-JINOX82MP 20 l/m @ 310 kpa	DAB-JINOX82MP 30 l/m @ 300 kpa	DAB-JINOX102MP 40 l/m @ 300 kpa	DIVERTRON 1200 50 l/m @ 300 kpa DAB-JINOX102MP 50 l/m @ 300 kpa	DIVERTRON 1200 60 l/m @ 250 kPa DAB-JINOX112MP 60 l/m @300kpa	DAB-JINOX132MP 70 l/m @300 kpa
Two Level Home 300Kpa	Option A	INOX 100 MP 20 l/m @ 310 kPa	INOX 100 MP 30 l/m @ 290 kPa	INOX 100 MP 40 l/m @ 250 kPa	DIVERTRON 1200 50 l/m @ 300 kpa DAB-JINOX102MP 50 l/m @ 300 kpa	DIVERTRON 1200 60 l/m @ 250 kPa DAB-JINOX112MP 60 l/m @300kpa	DAB-JINOX132MP 70 l/m @300 kpa
	Option B	DAB-JINOX82MP 20 l/m @ 310 kpa	DAB-JINOX82MP 30 l/m @ 300 kpa	DAB-JINOX102MP 40 l/m @ 300 kpa	DIVERTRON 1200 50 l/m @ 300 kpa DAB-JINOX102MP 50 l/m @ 300 kpa	DIVERTRON 1200 60 l/m @ 250 kPa DAB-JINOX112MP 60 l/m @300kpa	DAB-JINOX132MP 70 l/m @300 kpa

**Note:**

The above table contains codes for base model pumps from which they can be accessorised.

The above tables are a guide and do not cover all eventualities if in doubt please contact Orion Distributors.

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## Control system selection

Control System	Elevation to highest outlet from water level	Estimate of the peak flowrate demand					
		20 lpm	30 lpm	40 lpm	50 lpm	60 lpm	70 lpm
PC System	Under 15m						
	Over 15m	X	X	X	X	X	X
MP System	All						

## Pipe sizing selection

Pipe Length Tank to House	Pipe Internal Diameter for Estimated Peak Flowrate demand ( Litres per Minute)					
	20 lpm	30 lpm	40 lpm	50lpm	60 lpm	70 lpm
upto 10 metres	Pipe ID 20mm	Pipe ID 20mm	Pipe ID 20mm	Pipe ID 25mm	Pipe ID 25mm	Pipe ID 25mm
upto 20 metres	Pipe ID 20mm	Pipe ID 20mm	Pipe ID 25mm	Pipe ID 25mm	Pipe ID 25mm	Pipe ID 32mm
upto 30 metres	Pipe ID 20mm	Pipe ID 25mm	Pipe ID 25mm	Pipe ID 25mm	Pipe ID 32mm	Pipe ID 32mm
upto 40 metres	Pipe ID 20mm	Pipe ID 25mm	Pipe ID 25mm	Pipe ID 32mm	Pipe ID 32mm	Pipe ID 32mm

**Important: The suction lines length, joins and bends are to be minimized as they reduce pump performance**

**Note: Above table allows a maximum of 30kPa frictional loss at peak flow rate**

## Pressure tank selection

Control System	Tank Size guidelines	Estimated Peak Flowrate demand ( Litres per Minute)					
		20 lpm	30 lpm	40 lpm	50lpm	60 lpm	70 lpm
PC Electronic pressure control	Minimum Tank Volume	2 litre*	2 litre*	2 litre*	2 litre	2 litre	8 litre
	Ideal Tank Volume	8 litre	8 litre	8 litre	8 litre	18 litre	18 litre
MP Mechanical pressure switch	Minimum Tank Volume	8 litre	8 litre	18 litre	18 litre	60 litre	80 litre
	Ideal Tank Volume	60 litre	80 litre	100 litre	127 litre	170 litre	240 litre