

# BLOCK UNIT Series

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Small built-in pressure boosters, fully automatic. These units consist of a single phase pump, diaphragm tank, pressure switch, pressure gauge and various connectors suitable for commercial water systems. The units are fully assembled and ready to be connected to the building's water system.

Choice of units with self-priming (BGM) or horizontal single-impeller (CEAM) centrifugal pumps.

## Specifications

Delivery: up to 100 l/min (6 m<sup>3</sup>/h)  
Head: up to 50 metres (5 bar)  
Power supply: single-phase  
50 and 60 Hz  
Motor starting: D.O.L.  
Power: up to 1.1 kW.  
Water temperature: 0°C to +40°C  
Pump type: horizontal  
Control: pressure switch  
Tank: 24l horizontal cylindrical

## Materials

Pump: Stainless steel  
Tank: Enamelled Steel; butyl membrane

## Applications

Pressure boosting in water systems for domestic use, lawn sprinkling and washing

Pumping of non-aggressive liquids in industrial plants



# SPHERE UNIT, BLOCK UNIT SERIES

## Technical specifications

Type	Rated Power		Input Current A	Set up bar	Flow l/min	Approximative Overall Dimensions in mm			Weight Kg
	kW	HP				A	B	Height H	
Grupposfera PM 16	0,3	0,4	2,4	1,4 - 2,8	10 - 37	390	470	635	14,4
Grupposfera PM 21	0,37	0,5	2,8	1,4 - 3,0	10 - 40	390	470	635	15,0
Grupposfera PM 30	0,5	0,7	4	2,0 - 3,5	10 - 50	390	470	635	16,5
Grupposfera PM 40	0,6	0,8	5,3	2,5 - 4,0	15 - 50	390	470	635	17,0
Grupposfera CEAM 70/3	0,37	0,5	2,7	1,2 - 2,0	30 - 80	390	580	720	17,0
Grupposfera CEAM 70/5	0,55	0,75	4,5	1,8 - 2,8	30 - 80	390	580	720	18,0
Grupposfera CEAM 80/5	0,75	1	4,8	1,8 - 2,8	30 - 100	390	580	720	19,0
Grupposfera CAM 70/33	0,75	1	5	2,4 - 3,8	30 - 80	390	470	720	21,0
Grupposfera CAM 70/34	0,9	1,2	6,2	3,2 - 4,3	30 - 80	390	470	720	23,0
Grupposfera CAM 70/45	1,1	1,5	8	3,6 - 5,2	30 - 80	390	470	720	25,0
Grupposfera CAM 120/33	1,1	1,5	7,5	3,0 - 4,0	50 - 150	390	470	720	25,0
Grupposfera CAM 120/35	1,5	2	9,9	3,2 - 4,6	50 - 150	390	470	720	30,0
Grupposfera CAM 120/55	2,2	3	11,7	4,2 - 5,6	50 - 150	390	470	720	32,0
Grupposfera CAM 200/33	2,2	3	10,8	3,0 - 4,0	80 - 210	390	470	720	32,0
Grupposfera BGM 3 *	0,55	0,75	3	1,9 - 3,0	10 - 50	390	580	720	17,0
Grupposfera BGM 5 *	0,55	0,75	4,3	2,5 - 3,5	10 - 60	390	580	720	18,0
Grupposfera BGM 7 *	0,75	1	5	2,8 - 4,1	20 - 60	390	580	720	19,0
Grupposfera BGM 9 *	0,9	1,2	5,6	3,2 - 4,2	20 - 65	390	580	720	20,0
Grupposfera BGM 11 *	1,1	1,5	6,5	3,4 - 4,7	20 - 70	390	580	720	21,0
Grupposfera 2HM3	0,3	0,4	2,3	1,2 - 2,0	20 - 70	390	470	720	14,0
Grupposfera 2HM4	0,45	0,6	2,9	2,0 - 3,3	20 - 70	390	470	720	14,0
Grupposfera 2HM5	0,55	0,75	3,7	3,2 - 4,4	20 - 70	390	470	720	15,0
Grupposfera 2HM7	0,75	1	5,1	3,6 - 5,6	20 - 70	390	470	720	15,0
Grupposfera 4HM4	0,45	0,6	2,8	1,2 - 2,0	40 - 120	390	470	720	15,0
Grupposfera 4HM5	0,55	0,75	3,8	1,8 - 3,0	40 - 120	390	470	720	15,0
Grupposfera 4HM7	0,75	1	5,7	2,4 - 4,0	40 - 120	390	470	720	18,2
Grupposfera 4HM9	0,9	1,2	6,5	2,8 - 5,0	40 - 120	390	470	720	18,2
Block CEAM 70/3	0,37	0,5	2,7	1,2 - 2,0	30 - 80	290	660	610	20,0
Block CEAM 70/5	0,55	0,75	4,2	1,8 - 2,8	30 - 80	290	660	610	21,0
Block CEAM 80/5	0,75	1	4,8	1,8 - 2,8	30 - 100	290	660	610	22,0
Block CEAM 210/4	1,5	2	8,6	1,2 - 2,2	120 - 300	290	660	610	26,0
Block CAM 70/33	0,75	1	5	2,4 - 3,8	30 - 80	290	660	610	25,0
Block CAM 70/34	1,1	1,5	8	3,2 - 4,3	30 - 80	290	660	610	26,0
Block BGM 3 *	0,55	0,75	3	1,9 - 3,0	10 - 50	290	660	610	20,0
Block BGM 5 *	0,55	0,75	4,3	2,5 - 3,5	10 - 60	290	660	610	21,0
Block BGM 7 *	0,75	1	5	2,8 - 4,1	20 - 60	290	660	610	22,0
Block BGM 9 *	0,9	1,2	5,6	3,2 - 4,2	20 - 65	290	660	610	23,0
Block BGM 11 *	1,1	1,5	6,5	3,4 - 4,7	20 - 70	290	660	610	25,0

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\* Specially suited for suction from buried tanks or wells.

The suction port is threaded Rp 1<sup>1</sup>/<sub>4</sub> (Rp 1" for PM 16 and PM 30).

The delivery port is threaded Rp 1" for all pumps.

N.B.: After the unit has been installed, the diaphragm tank air precharge must be set to a value 0.2 bar lower than the minimum pressure switch set-point.