



## Set elements

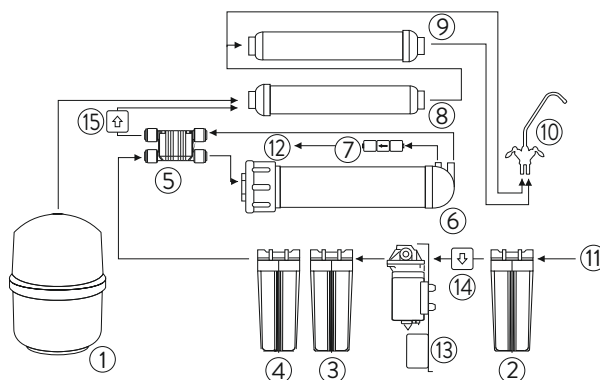


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# RO Diaphragm Pumps

The function of the diaphragm pump is raising pressure in RO systems. Reverse osmosis is a process in which water pressure is the key factor. Household water purification systems do not require high pressure values, yet their efficiency decreases if water pressure in the installation falls below 45 PSI. Low water pressure increases the amount of drain water, makes tank refill time longer and decreases the amount of purified water. Even minor pressure increase can boost the water purification system's efficiency.

## Typical installation schematic

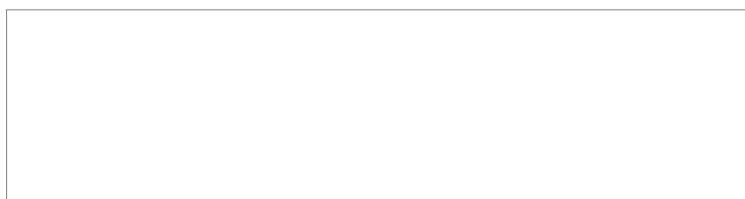


- |                 |                        |                         |
|-----------------|------------------------|-------------------------|
| 1. Tank         | 6. Membrane            | 11. Water inlet         |
| 2. Pre-filter   | 7. Flow limiter        | 12. Contamination       |
| 3. Carbon block | 8. Carbon filter       | 13. Pump                |
| 4. Post-filter  | 9. Mineralizing filter | 14. Low pressure valve  |
| 5. 4-way valve  | 10. Pure water         | 15. High pressure valve |

## Each set contains:

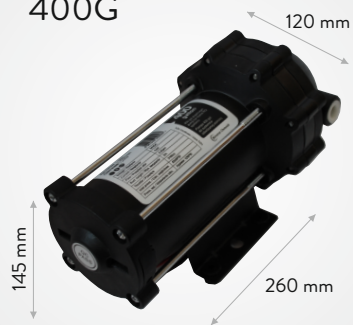
- transformer,
- tubes (3m),
- mounting bracket,
- low and high pressure valves,
- connection elbows 3/8" - 1/4"

Compatible with standart RO systems.



## Product technical data

Model	50/75G	100G	200G	300G	400G	600G	800G	1000G
Voltage	24 V	24 V	24 V	24 V	24 V	36 V	36 V	36 V
Amperage	1,0 A	1,40 A	2,50 A	2,50 A	3,75 A	3,8 A	5,50 A	4,60 A
Open flow	1,6 lpm	1,8 lpm	2,8 lpm	5,0 lpm	6,5 lpm	7,00 lpm	7,30 lpm	7,5 lpm
Suction	2 m	2 m	2 m	2 m	2 m	2 m	2 m	2 m
Flow	300 cc	800 cc	1400 cc	1900 cc	3160 cc	7000 cc	8000 cc	10 000 cc
Inlet press.	82 +/- PSI	82 +/- PSI	82 +/- PSI	82 +/- PSI	82 +/- PSI	82 +/- PSI	82 +/- PSI	105 +/- PSI

MODEL  
50/75GMODEL  
100GMODEL  
200GMODEL  
300GMODEL  
400GMODEL  
600GMODEL  
800GMODEL  
1000GLow pressure valve  
ZPN1High pressure valve  
ZPW2