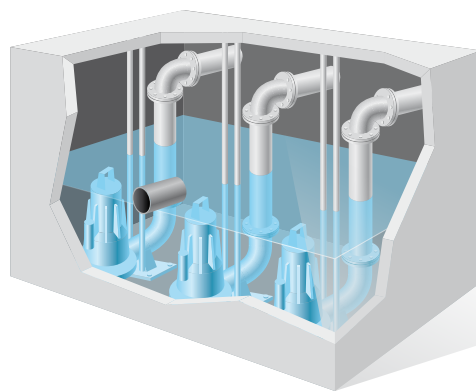


Series SOL/P

Monobloc parallelepiped lifting stations.

Technical specifications

Supply of a monobloc lifting station type EMS WATER TECHNOLOGY series SOL/P, composed of a highly resistant reinforced concrete parallelepiped vertical axis tank , complete with hot galvanized steel covers, one or two electrical pumps each with an automatic coupling system and extraction chain, delivery pipes with end flange equipped with sluice and non return valve of the same diameter, hot galvanized guide pipes for the pumps with fixing supports , automatic floater level switches with support stirrup, complete with an electrical panel built according to the CEI regulations, located into a watertight box type IP55, with every necessary device for the automatic alternate functioning of the pumps duly cabled and mounted.



MODEL	Lenght cm	Width cm	Height cm	Capacity mc	Weight q.l.s
SOL/P 01	160	140	270	4	46
SOL/P 02	180	160	270	5	54
SOL/P 03	250	160	270	8	66
SOL/P 04	290	160	270	9	72
SOL/P 05	250	200	270	10	73
SOL/P 06	250	250	270	13	83

Please contact our commercial department for customized projects

The stations indicated in the table above are available also with heights of cm. 300/350/400/450/500/550/600/650/700/750 (modular type with bottom + overlapped extensions).

the stations may be equipped with a specific tank for the valves with height equal to cm. 100/150/200/250.

the stations are supplied equipped with submersible electrical lifting pumps (1, 2 or more), stainless steel guide pipes, stainless steel delivery pipes , check and sluice valves , stainless steel chaines for pumps extraction, level probes and electrical panel .

The foundation slab has to be at least 20 cm thick and reinforced with an electrically welded double steel net having a diameter of 8 mm. mail 20x20 cm.

A 3/5 sand layer has to be placed above the foundation slab to support the prefabricated unit.

How to verify the lifting station total height:

The external total height of the tank is obtained with the following sum:

$$H = B + (h/n) + h_s + 0,4$$

where:

H = total tank height - **B** = depth of the incoming pipe compared with the ground level - **n** = n. of installed pumps

h_s = minimal level of pumps submersion - **0,4** = tank thickness + safety margin

The lifting station may be supplied with the following equipment:

- Clapet check valve made of cast iron or ball valve
- Cast iron flat sluice gate
- Sliding manual screen on rails, complete with fixing frame, recovery chain, manhole suitable for pedestrian passage made of hot galvanized metal sheet or AISI 304 upon request
- Cast iron manholes
- Electrical panel ready for a possible remote control
- Electronic alarm device with battery backup and flash lamp