

**Pumping stations with centrifugal pumps,
storage tank and expansion vessel
to be matched with chillers and
heat pumps**



PSM

Pumping station

Unit frame

Galvanized steel frame and removable panels (for models 130-165-200-260-310-480), made of galvanised sheet steel with baked-on polyester powder coating. Stainless steel screws.

Electric pumps

Two monobloc centrifugal pumps with direct motor-pump coupling by means of chromium steel driveshaft. Body and rotor in cast iron, mechanical seal, two pole three-phase electric motor with IP 54 electrical protection degree. The two pumps are arranged in parallel and they operate alternately (one in stand-by). Single pump version available on request.

Tank

Galvanized steel tank with PVC coated polyurethane foam insulation.

Hydraulic circuit

Internal hydraulic circuit composed of flexible rubber hoses or steel pipes (sizes 380-690-920-1100), steel unions, check valves, gate valves, bleed valves, expansion vessel.

Electrical panel

With main switch, thermal-magnetic circuit breakers and pump contactors, pump ON/OFF selector.

Testing

Factory tested for watertight seal and correct operation.

MAIN ACCESSORIES

- Tank electric heater
- Antifreeze electric heater for pumps
- Automatic water filling kit
- Safety valve
- Pressure gauge
- Rubber antivibration mounts
- Spring antivibration mounts (380-690-920-1100)
- Single pump version.

PSM - TECHNICAL DATA

Unit size		130	165	200	260	310
Technical data						
Nominal water flow rate	l/s	3,333	4,17	4,17	5,83	6,25
Available static pressure	kPa	137	180	180	166	255
Tank capacity	l	400	600	700	700	700
Expansion vessel capacity	l	18	18	18	18	18
Electrical data						
Maximum power input	kW	1,5	1,5	1,5	2,2	3,1
Maximum starting current	A	22,4	22,4	22,4	24,9	51,5
Maximum current input	A	4,3	4,3	4,3	5,3	6,6
Power supply	V/~/Hz	400V/3~/50	400V/3~/50	400V/3~/50	400V/3~/50	400V/3~/50
Dimensions and weight						
Width	mm	1003	1003	1104	1104	1104
Depth	mm	1053	1053	1154	1154	1154
Height	mm	1600	1600	2100	2100	2100
Operating weight	kg	660	902	1058	1104	1104
Unit size		380	480	690	920	1100
Technical data						
Nominal water flow rate	l/s	13,61	13,89	14,58	23,33	23,33
Available static pressure	kPa	178	164	225	232	223
Tank capacity	l	1100	700	1100	1100	1100
Capacità Expansion vessel	l	25	18	25	25	25
Electrical data						
Maximum power input	kW	4	5,5	7,5	9,2	14
Maximum starting current	A	56,6	72	148,8	180	390
Maximum current input	A	9,6	12	16	19	30
Power supply	V/~/Hz	400V/3~/50	400V/3~/50	400V/3~/50	400V/3~/50	400V/3~/50
Dimensions and weight						
Width	mm	2275	1104	2275	2275	2275
Depth	mm	1205	1154	1205	1205	1205
Height	mm	2078	2100	2078	2078	2078
Operating weight	kg	1668	1148	1706	1790	1836