

SPR-E



Pump control

Field of application

- Water supply
- Cooling circuit
- Irrigation
- Industrial applications

Design

The pump is adjusted to the system perfectly with the SPR-E speed control. The pump control is available with the following types of control:

- constant pressure control
- temperature control
- level control
- vacuum control

The SPR-E speed control can be assembled in control boxes on site or on the wall. The speed control is available up to 30 kW. Larger kW values available on request.

The speed control is equipped with a clear text display, PTC thermistor connection, operation selection buttons, repair switch and interface relays. The system is parameterised in the factory.

Type key

SPR-E-030

SPR.....pump control
Eexternal control box
030.....kW performance

Technical data

- Performance range: 0.75 kW - 45.00 kW
- Freely programmable pump control with keyboard and backlit clear text display
- Display for all operating messages, nominal values and commissioning values
- Two digital inputs for the start command, reset, manual operation, switching between nominal values, float switch etc.
- adjustable relay outputs for error, operation, lack of water, sensor failure etc.
- Speed control system for 1 pump
- Password protection
- Connection for 4-20 mA/0-10 V sensors
- Adjustable PI control for fast pressure control
- Adjustable zero volume switch-off system to switch the pump into "standby" mode
- Manual operation with adjustable constant speed for emergency supply if the sensors fail
- Adjustable electronic dry run protection
- Adjustable electronic pressure monitoring
- Sensor monitoring with emergency switch to constant speed
- Adjustable type of sensor operation
- Adjustable motor characteristics
- Temperature dependent fan control
- IP 66 aluminium housing
- PM mode for IE4 motors
- Fault log for 5 faults
- Operating hours meter, status meter
- Interface: RS 485 Modbus Slave
- Interface relay for ON/OFF via on site irrigation device (optional setpoint switching, 2 setpoints)



Technical data

Type	Max. performance (kW) 3~ 400 V	Max. potential motor rated current (A)	Dimensions H x B x T	Approx. weight (kg)
SPR-E-007	0.75	2.00	417 x 203 x 230	12.20
SPR-E-015	1.50	4.00	417 x 203 x 230	12.20
SPR-E-022	2.20	6.50	417 x 203 x 230	12.20
SPR-E-030	3.00	7.00	417 x 203 x 230	12.80
SPR-E-040	4.00	9.00	417 x 203 x 230	14.30
SPR-E-055	5.50	12.00	417 x 246 x 230	14.30
SPR-E-075	7.50	17.00	417 x 246 x 230	14.30
SPR-E-110	11.00	23.00	417 x 246 x 230	20.50
SPR-E-150	15.00	32.00	417 x 246 x 230	20.50
SPR-E-185	18.50	38.00	417 x 246 x 230	30.00
SPR-E-220	22.00	44.00	417 x 246 x 230	30.50
SPR-E-300	30.00	60.00	417 x 246 x 230	31.50

Order information

Type	Article no.	Approx. weight (kg)
SPR-E-007, 0.75 kW	560.6100.731	
SPR-E-015, 1.50 kW	560.6101.531	
SPR-E-022, 2.20 kW	560.6102.231	
SPR-E-030, 3.00 kW	560.6103.031	
SPR-E-040, 4.00 kW	560.6104.031	
SPR-E-055, 5.50 kW	560.6105.531	
SPR-E-075, 7.50 kW	560.6107.531	
SPR-E-110, 11.00 kW	560.6111.031	
SPR-E-150, 15.00 kW	560.6115.031	
SPR-E-185, 18.50 kW	560.6118.531	
SPR-E-220, 22.00 kW	560.6122.031	
SPR-E-300, 30.00 kW	560.6130.031	
Accessories		
Pressure sensor 0 - 10 bar, G ¼, 4 - 20 mA	500.8500.015	0.20
Pressure sensor 0 - 16 bar, G ¼, 4 - 20 mA	500.8500.016	0.20
Pressure sensor 0 - 25 bar, G ¼, 4 - 20 mA	500.8500.025	0.20
Pressure sensor 0 - 40 bar, G ¼, 4 - 20 mA	500.8500.019	0.20
Vacuum sensor -1 - 0 bar, G ¼, 0 - 10 V	391.8380.168	0.20
Temperature sensor -50 - +150 °C, 4 - 20 mA	500.8500.017	0.20
Sensor cable 2 m, with plug	500.8500.102	0.10
Sensor cable 5 m, with plug	500.8500.105	0.30
Sensor cable 10 m, with plug	500.8500.110	0.50
Sensor cable 30 m, with plug	500.8500.130	1.30
Submersible pressure sensor 0 - 0.4 bar, 4 - 20 mA, 15 m cable	500.8500.029	1.00
Submersible pressure sensor 0 - 0.4 bar, 4 - 20 mA, 30 m cable	500.8500.028	1.80
3m extension cable for display	560.6900.005	0.30
Commissioning (net)	INBK02	