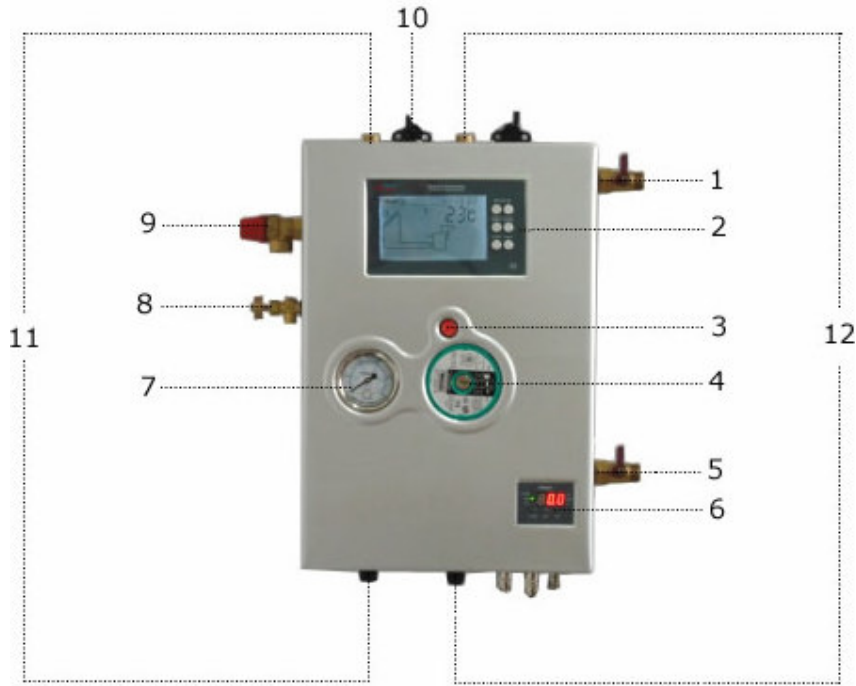


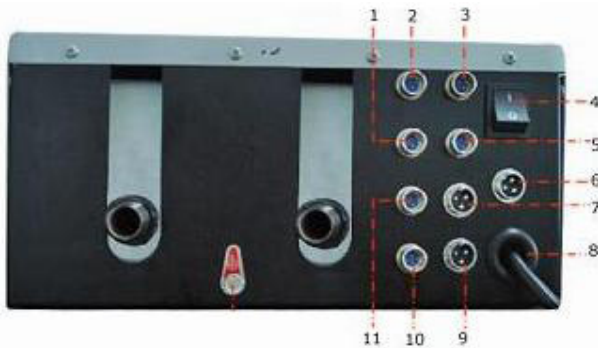


Solar Energy Systems

Solar Pump Station SPS228



1. Fill valve (inject the medium)
2. Operating screen
3. Pump speed switch
4. Solar pump
5. Expansion tank connector /Flush valve
6. Flow rate and temperature indicator
7. Manometer
8. Air relief valve
9. Safety valve
10. Wall mounting bracket
11. Collector supply line connector
12. Collector return line



1. T3 connector
2. T2 connector
3. T0 connector
4. Power switch
5. T1 connector
6. P2 pump
7. P0 pump or R1 three-way electromagnetic valve
8. Power supply and auxiliary heating
9. R2 three-way electromagnetic valve
10. T5 connector
11. T4 connector

Main Function

1. Security valve
2. Displaying flow rate (flowmeter)
3. Displaying system pressure (manometer)
4. Solar thermal pump WILO with three speed levels
5. Displaying clock and week
6. Displaying temperature
7. Temperature difference circulation
8. Three periods time controlled circulation of hot water pipeline
9. Three periods time controller auxiliary heating
10. Memory function
11. Frost protection for heat collector
12. Overheating protection for water tank
13. Auxiliary heating function
14. Emergency cut-off function
15. Force heating
16. Error indication
17. Reset
18. Holiday function
19. Anti-legionella function
20. 8 systems available for choosing
21. Manual vent
22. Filling and flushing connection

Main technical data

1. Externality size: 450mm*310mm*150mm
2. Max. self consumption: ≤3W
3. Accuracy of temperature measuring: ±2C
4. Range of temperature measuring: 0~150C
5. Power of controlled pumps: ≤600W
6. Electronic booster power: ≤3000W
7. Input signal: 6 temperature sensors (PT1000 for heat collector, NTC 10k B=3950 for water tank)
8. Output signal: 5 (electronic booster, 4 pumps or 3 pumps and 1 three way electromagnetic valve)
9. System working pressure: 0.6MPA