

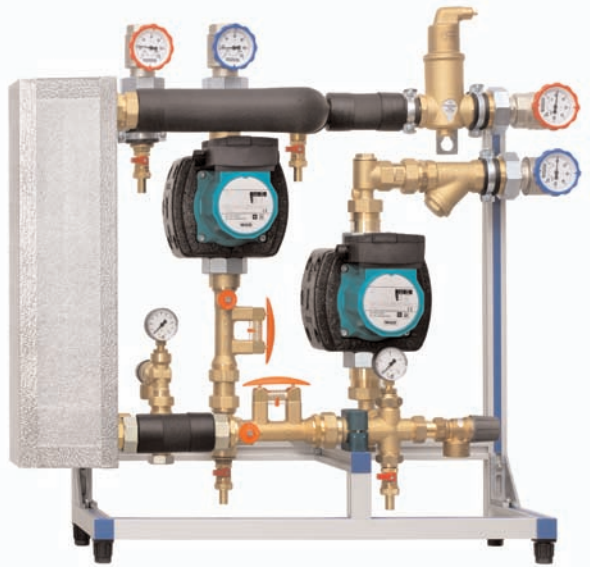
Solar Station XXL

Meibes Solar XXL Pump Station

Meibes Solar XXL Pump Stations are a proven, cost effective solution and the heart of any solar thermal system. They have been specifically designed for larger solar thermal installations with up to 1,615ft² (150m²) of collector area. These heavy-duty commercial solar pumping stations integrate all the major functional and safety components into one compact, pre-assembled unit. Each system includes a stainless steel, flat plate heat exchanger along with two large circulation pumps for the primary and secondary circuits. The components are installed on an aluminum frame with 1-1/4" connections.

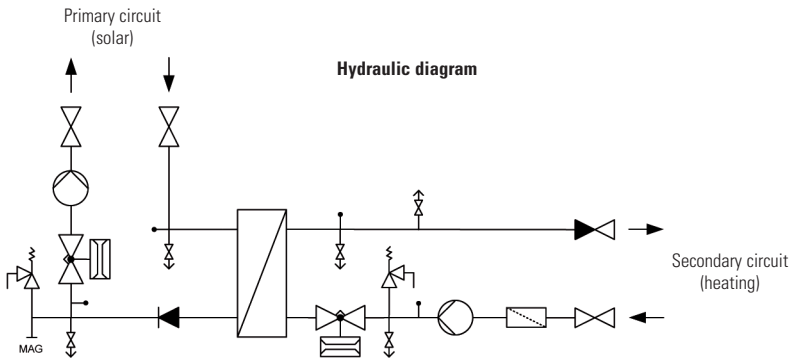
The integration of components saves installation time and money by eliminating the need to purchase and install separate components (e.g. pumps, pressure relief valves, gauges, isolation and check valves, flow control/sight glass and fill/drain connections). Every unit is factory tested prior to shipment, so there are fewer opportunities for errors than on-site fabrication and reliability is increased.

- Commercial solar pump station specifically designed for larger solar thermal systems up to 1615 ft² (150m²)
- Completely preassembled system includes 2 circulation pumps, safety valve, airvent, connection for expansion tank, pressure & temperature gauges, back flow preventers and shut-off valves
- Highly efficient heat transfer with stainless steel heat exchanger
- Compact, space saving design with all components installed on an aluminum frame with leveling feet
- Flexible installation - can be either floor standing or wall mounted
- Approved for use with most solar heat transfer fluids



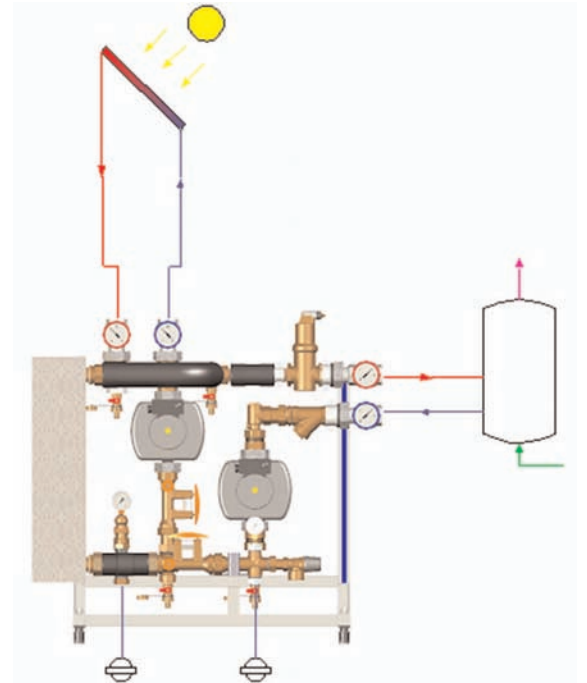
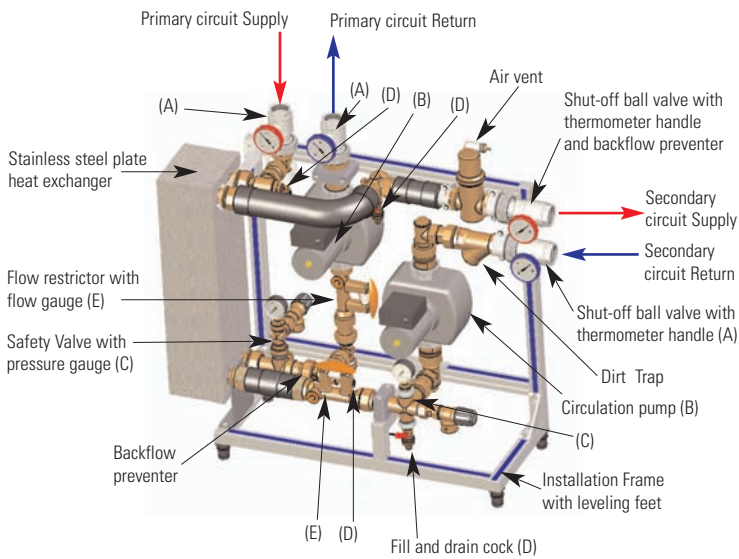
Technical data

Collector surface	Up to 1615 sq ft (150 sq m)
Dimensions H/W/D in	32" x 35" x 11" (820mm x 890mm x 290mm)
Connections	1 1/4" female
Axial separation	4in (103mm)
Safety valves	3/4" x 1"
(Response pressure primary: 80psi (5,5bar); secondary 45psi (3bar))	
Max. permissible operating temperature: 230°F (110°C)	



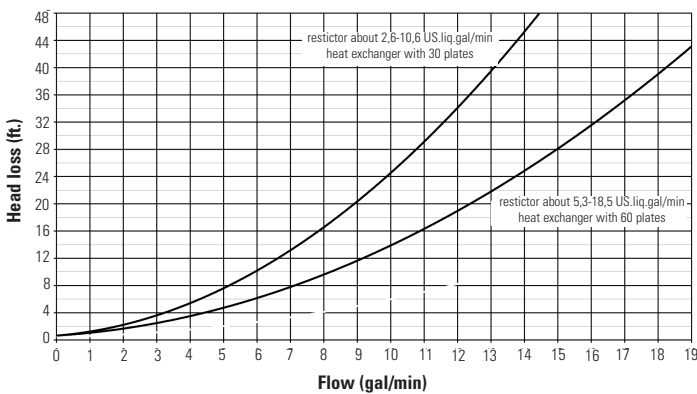
Key:

- Ball valve
 - Ball valve with backflow preventer
 - Pump
 - Dirt trap
 - Backflow preventer
 - Volumetric flow rate limiter
 - Venting
 - Plate heat exchanger
 - Safety valve
 - Immersion sleeve for sensor
 - Fill / drain valve tap
 - Diaphragm - expansion vessel connection
- MAG

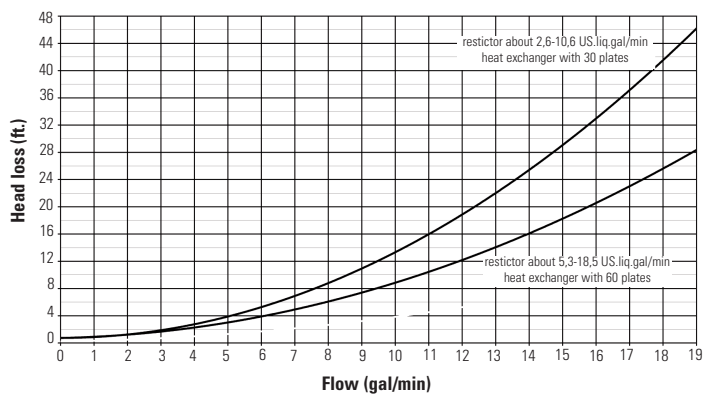


Flow diagrams

volume flow pressure loss diagram solar XXL primary side



volume flow pressure loss diagram solar XXL secondary side



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