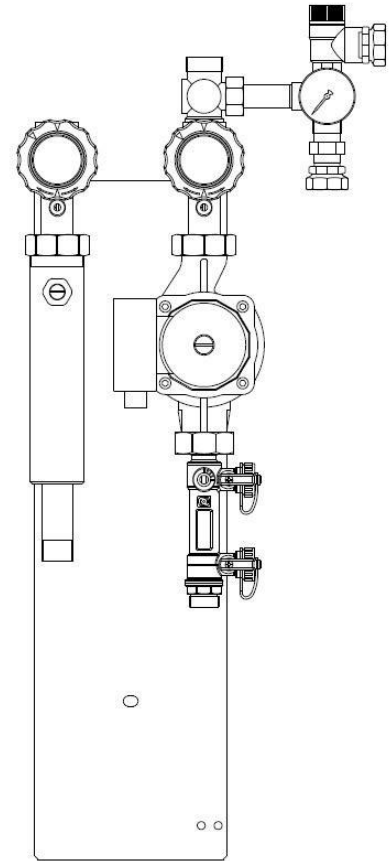


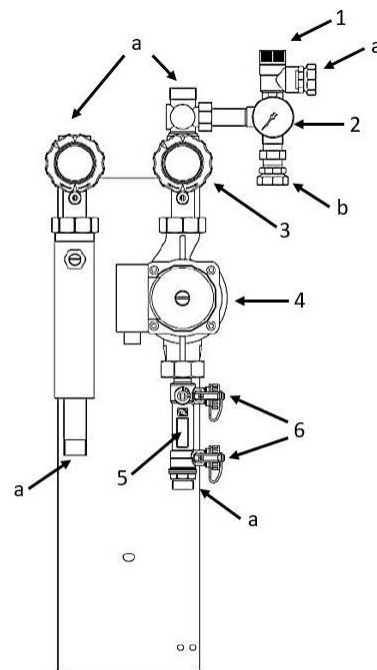
Technical Details	
Model:	UniMaxx-PLUS-SC500-AC-V3
Height with insulation (in)/(mm)	18.66/474
Width with insulation (in)/(mm)	12.13/308.1
Distance Axis/Wall (in)/(mm)	3.94/100.1
Circulation Pump	WILO Star S30 U-25-180 (1/10 HP)
Pipe Connections	¾" Compression
Max. Admissible Pressure (psi)/bar	145/10
Safety Valve (psi)/bar	87/6
Pressure Gauge (psi)/bar	0-87/0-6
Spring Pressure of Non-Return Valve	2 x 0.66' head = 1.32' head
Temperature Gauges (°F)/(°C)	32-320/0-160
Flowmeter (depending on version) (gpm) / (lpm)	1 – 10/3.8 – 37.9
Fittings	Brass
Permissible temperature range (°F)/(°C)	14 – 230/-10 – 110
Mains connection	115/120 V, 60 Hz
Protection class	IP 44
Threaded connection	Rp ½ and Rp 1
Max. operating pressure (psi)/bar	145/10
Power consumption (HP)	1/10 HP
Max Amperage (A)	1.5
Insulation	EPP, l = 0,041 W/(m*K); max. 120°C continuous; and 180°C intermittent
Materials	
Pump housing	Grey cast iron
Impeller	Polypropylene
Shaft	Stainless steel insulation EPP
Fittings	Brass
Seals	Viton/Teflon
Bearing	Carbon



Certifications & Standards

- ✓ U.S.Green Building Council Membership
- ✓ ISES Certification
- ✓ ASES Certification
- ✓ Colorado Solar Energy Association

List of components	
1)	Pressure relief valve
2)	Pressure gauge (145 psi / 10 bar)
3)	Ball valve with temperature gauge in the return (320°F / 160°C)
4)	Solar pump - UNIMAXX-PLUS-SC-S30-R
5)	Flowmeter
6)	Drain Valves
7)	Ball valve with temperature gauge in the supply (320°F / 160°C)
List of connections	
a)	UniMaxx Quick Connect fittings: UNIMAXX-PLUS-SC-500-ADPT-3/4IN-CF (or 1IN-CF)
b)	Expansion tank fittings 3/4in GxNPT - XMAXX-HW-3/4IN-3/4IN-G-NPT



Below, the pressure drop characteristic of UNIMAXX-PLUS-SC-S30-R solar pump, which is the heart of the solar hot water pumping system, is presented:

