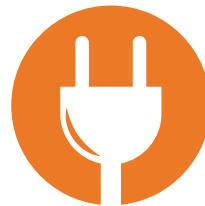# UMA® SOLAR

2023 Product Catalog

www.UMASolar.com • 800-79-SOLAR

WHO IS UMA?

UMA® Solar is the leading solar thermal and solar electric distributor

- In the Solar Industry for more than 40 years
- Residential & Commercial Sized Systems
- Ongoing Research and Development for Innovation
- Products Include:
  - Solar Pool Heating Systems
  - Domestic Hot Water Heating Systems
  - Solar Electric Systems and Components
  - Solar Energy Storage and more

- Turnkey Solar Solutions
- Three Strategically-Located Distribution Centers
- Internal Sales and Customer Support Staff

UMADealer.com

The New UMA Dealer site is a complete Dealer Resources for:

- **Department Communication**
- **Company & Product Updates**
- **Marketing Materials**
- **Links to Videos & Trainings**
- **Downloadable Resources**

LOCATIONS

UMA has 3 locations to better serve you!

Proudly servicing the United States, Canada and the Caribbean Islands

Northern CA

Southern CA

Florida

About Us

SHIPPING & DELIVERY

Offering Solar Nationwide

Our logistics specialists will help coordinate shipping and delivery or you can pick up directly from one of our warehouse locations in Florida & California

ENGINEERING SERVICES

Providing professional solutions for various types of business

- Commercial & Residential Solar Pool Heating and Solar Thermal System Design for UMA Products
- Commercial & Residential Solar PV and Energy Storage System Design for All UL-Listed Products
- Preliminary Roof and Equipment Layouts
- Structural Load and Electrical Calculations
- Full Plans Set for Permitting
- Full Support with AHJ Issues

STRUCTURAL & ELECTRICAL CERTIFICATION IN FLORIDA

COMPETITIVE RATES

EXCELLENT CUSTOMER SERVICE & PROJECT COMMUNICATION

EASE OF ORDERING, REVIEW & MAKE CHANGES ONLINE

FAST TURNAROUND

PLANS AVAILABLE IN DIGITAL OR PAPER FORMAT

UMA SOLAR

800-79-SOLAR
Email: orderdesk@umasolar.com

DEPARTMENT CONTACTS

VISIT UMASOLAR.COM/CONTACT-US

Sales
Ext. 8200
sales@umasolar.com

Engineering
Ext. 1114
engineering@umasolar.com

Service & Warranty
Ext. 1105
support@umasolar.com

Accounts Receivable
Ext. 1117
ar@umasolar.com

Accounts Payable
Ext. 1116
ap@umasolar.com

Order Desk
Ext. 8105
orderdesk@umasolar.com

UMA UNIVERSITY

VISIT UMAUNIVERSITY.COM

For complete training on Solar Pool Heating System installation, parts, safety, troubleshooting and sales training!

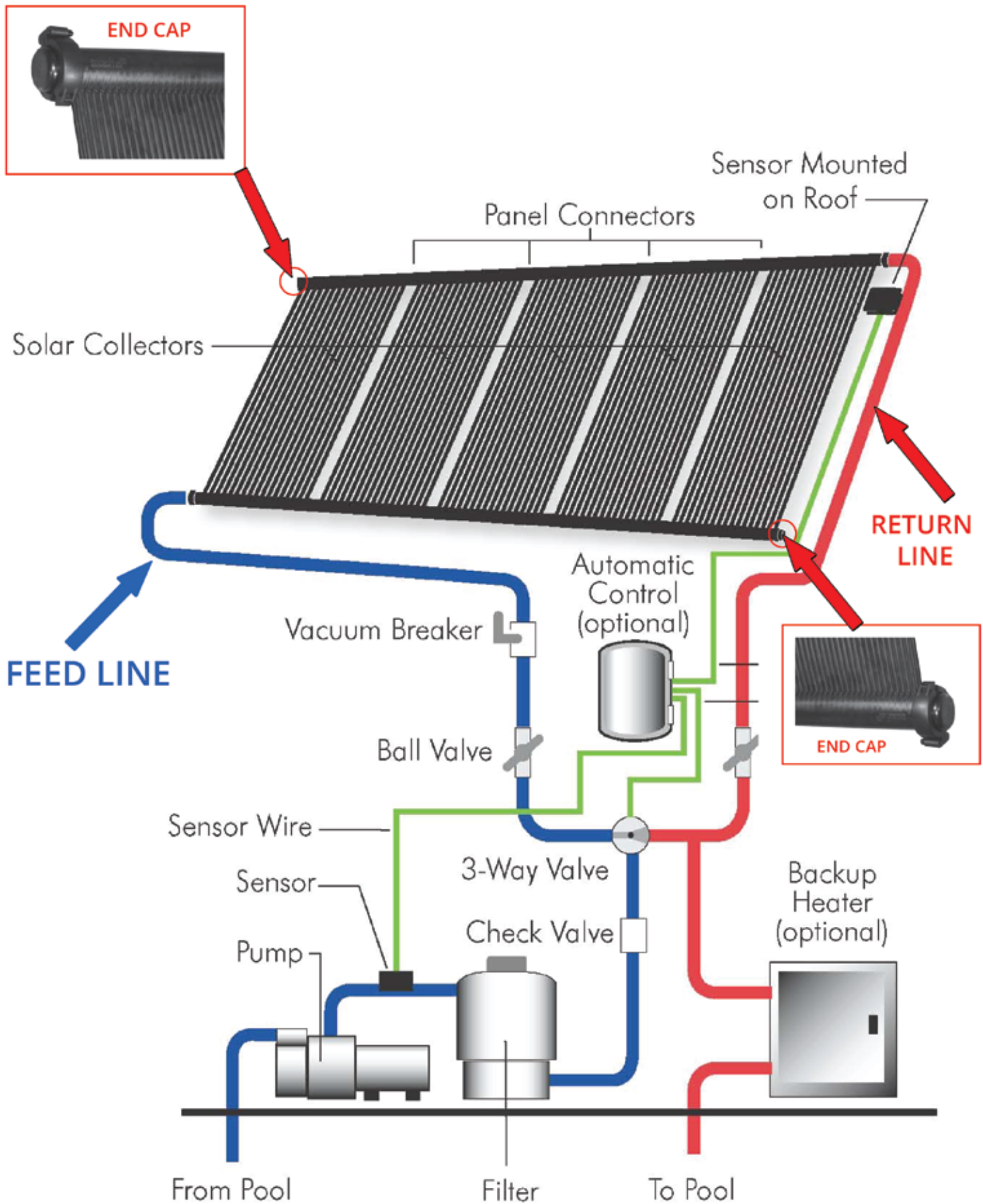800-79-SOLAR
Email: orderdesk@umasolar.com

SOLAR POOL HEATING

UMA offers solar pool heating panels by Magen eco-Energy

With innovative, over-molding injection technology, Magen enables the manufacturing of seamless, leak-proof, integrally-molded thermoplastic units.

The benefits of solar pool heating include being environmentally friendly, maintenance-free, low operating costs while enjoying longer swim seasons in your heated pool.

HELIOCOL
SOLAR POOL HEATING. ENGINEERED FOR LIFE.

SUNSTAR
SOLAR POOL HEATING

eco SPARK

SunValue
Capture the sun

UNIVERSOL
SOLAR POOL HEATING

ISO 9001:2015 — IQC — Institute of Quality & Control — Certified Quality Management System

ISO 14001:2015 — IQC — Institute of Quality & Control — Certified Environmental Management System

SRCC — OG-100 CERTIFIED

NSF.
NSF-50

END CAP

Sensor Mounted
on Roof

Panel Connectors

Solar Collectors

RETURN LINE

FEED LINE

Vacuum Breaker

Automatic
Control
(optional)

END CAP

Ball Valve

Sensor Wire

3-Way Valve

Sensor

Backup
Heater
(optional)

Pump

Check Valve

From Pool

Filter

To Pool

SOLAR POOL HEATING. ENGINEERED FOR LIFE.™

Heliocol solar pool heating collectors are constructed like no other, designed to give you efficient energy with minimal maintenance. Unique design characteristics and innovative engineering make Heliocol the best solar pool heating system available for both residential and commercial applications, balancing design, excellence, and durability.

PART NUMBER	DESCRIPTION	BOX QUANTITY
2-1000-008	Heliocol HC-8 – 1x8 SPH Collector	45
2-1000-009	Heliocol HC-9.5 – 1x9.5 SPH Collector	45
2-1000-010	Heliocol HC-10 – 1x10.5 SPH Collector	45
2-1000-012	Heliocol HC-12 – 1x12.5 SPH Collector	45
2-1000-030	Heliocol HC-30 – 4x8 SPH Collector	20
2-1000-038	Heliocol HC-38 – 4x9.5 SPH Collector	20
2-1000-040	Heliocol HC-40 – 4x10.5 SPH Collector	20
2-1000-050	Heliocol HC-50 – 4x12.5 SPH Collector	16

SUNSTAR
SOLAR POOL HEATING

SunStar solar pool heating offers all the benefits of traditional pool heating with reduced energy costs over time, all backed by a 12-year warranty. In addition, SunStar's energy-efficient floating-panel technology provides a maintenance-free heating solution that extends your swim season. An excellent option for both home and commercial pools, SunStar does not disappoint when it comes to performance and durability.

PART NUMBER	DESCRIPTION	BOX QUANTITY
2-1100-008	SunStar STR-8 – 1x8 SPH Collector	40
2-1100-009	SunStar STR-9.5 – 1x9.5 SPH Collector	40
2-1100-010	SunStar STR-10 – 1x10.5 SPH Collector	40
2-1100-012	SunStar STR-12 – 1x12.5 SPH Collector	40
2-1100-030	SunStar STR-30 – 4x8 SPH Collector	20
2-1100-038	SunStar STR-38 – 4x9.5 SPH Collector	20
2-1100-040	SunStar STR-40 – 4x10.5 SPH Collector	20
2-1100-050	SunStar STR-50 – 4x12.5 SPH Collector	12

SunValue
Capture the sun

With the SunValue solar pool heating system, you'll be able to extend your swim season well past the summer, all while enjoying the reduced carbon footprint and lower energy costs of solar pool heating. The slim, lightweight design of SunValue makes installation easier than ever. With more than 40 years of experience and a proven track record in manufacturing solar collectors, you can rest easy knowing you chose SunValue as your reliable and efficient pool heating system.
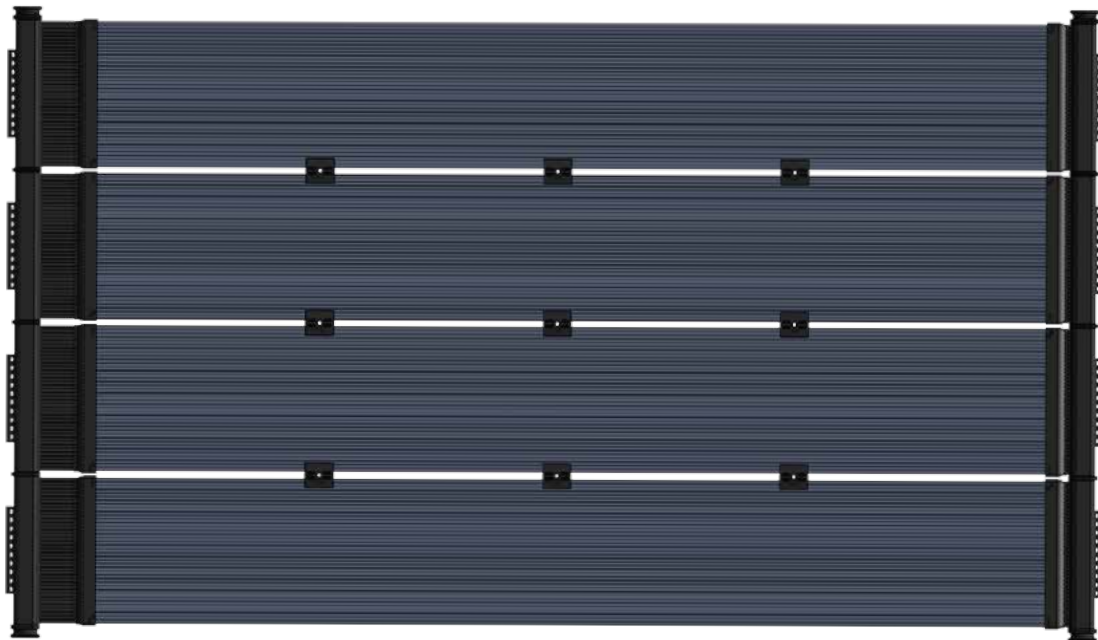
PART NUMBER	DESCRIPTION	BOX QUANTITY
2-1400-083	SunValue SV-8 – 1x8 SPH Collector	45
2-1400-103	SunValue SV-10 – 1x10 SPH Collector	45
2-1400-123	SunValue SV-12 – 1x12 SPH Collector	45
2-1400-033	SunValue SV-32 – 4x8 SPH Collector	22
2-1400-043	SunValue SV-40 – 4x10 SPH Collector	22
2-1400-053	SunValue SV-48 – 4x12 SPH Collector	16

eco-SPARK is the next generation of solar pool heating. By extruding the collector tubes right inside a special glazing material, eco-SPARK significantly increases the performance of the collectors. This glazing material creates a greenhouse effect which preserves energy—resulting in more warmth in your pool when you need it most.

PART NUMBER	DESCRIPTION	BOX QUANTITY
2-1200-008	eco Spark SLES-8 – 1x8 SPH Collector	40
2-1200-010	eco Spark SLES-10 – 1x10.5 SPH Collector	40
2-1200-030	eco Spark SLES-30 – 4x8 SPH Collector	10
2-1200-040	eco Spark SLES-40 – 4x10.5 SPH Collector	10

Plumbing Connectors & Repair

Innovative plumbing connections utilize the Plastic Panel Clamp system as an alternative to low-quality rubber fittings and increase system longevity. CPVC Pipe Connectors allow for direct connection either 1-1/2" or 2" PVC piping. Vacuum Relief Valves quickly and efficiently facilitate system draindown and protect the system from freeze damage.

PART NUMBER	DESCRIPTION	BOX QUANTITY
2-1810-005	CPVC Pipe Connector	125
2-1810-013	End Cap	140
2-1810-015	Plastic Pipe Connector (PPC) Bottom	400
2-1810-017	Plastic Pipe Connector (PPC) Gasket	400
2-1810-018	Plastic Pipe Connector (PPC) Latch	400
2-1810-020	Plastic Pipe Connector (PPC) Top	400
2-1810-029	Vacuum Relief Valve	12
2-1020-007	Repair Plug for Heliocol	---
2-1120-001	Repair Plug for SunStar/eco Spark/SunValue	---
2-1810-007	Repair Pin Insert Tool	---
2-1910-008	Reapir Chisel Tool	---

SOLAR POOL REPAIR KIT

DEALER PRICE $279

The perfect Solar Pool Repair Kit to stock your service department and trucks to handle various types of repairs. Visit UMASolar.com for service tips on our resources page!

- 20 Panel Clamps (Top, Bottom, Gasket, Latch)
- 20 CPVC Pipe Connectors
- 4 End Caps
- 3 Vacuum Relief Valves
- 1 Repair Pin Insert Tool
- 1 Repair Chisel Tool
- 50 Repair Plugs

System Automation

System automation is highly recommended for the best solar pool heating performance. Control systems from leading industry suppliers offer robust options for system automation using motorized valves and temperature sensors.

PART NUMBER	DESCRIPTION	BOX QUANTITY
2-3070-007	Pentair SolarTouch Controller	1
2-3070-008	Pentair SolarTouch Combo (Controller, 2" x 2-1/2" 3-way Valve, Actuator, Sensors)	1
2-3070-039	Hayward AquaSolar GL-235 Controller	1
2-3070-040	Hayward AquaSolar GL-235 Combo (Controller, 1-1/2" x 2" 3-way Valve, Actuator, Sensors)	1
2-3070-041	Hayward AquaSolar GL-235 Combo (Controller, 2" x 2-1/2" 3-way Valve, Actuator, Sensors)	1

TEMPERATURE SENSORS & WIRE		
PART NUMBER	**DESCRIPTION**	**BOX QUANTITY**
2-3070-047	Sensor - 10K Thermistor - 1/2" Threaded Brass	5
2-3070-052	Sensor - 10K Thermistor - Plastic, Full Immersion	100
1-6500-017	Sensor Wire - 18 Ga.- 2-conductor, shielded, UV and fire resistant cable	1000

WIRE MANAGEMENT & CONDUIT		
PART NUMBER	**DESCRIPTION**	**BOX QUANTITY**
1-6500-005	Cable Tie - Black 14-1/2" - 120 lb Break Strength	100
1-6500-006	Cable Tie - Black 14-1/2" - 50 lb Break Strength	100
1-6500-010	Cable Tie - Black 11" - 50 lb Break Strength	100
2-3020-007	Gear Clamp - 1/2" x 2"-3" - Stainless Steel	1
1-6500-013	1/2" Non-metallic Flexible Conduit	100
1-6500-014	1/2" NMFC 90 deg. Connector	10
1-6500-015	1/2" NMFC Straight Connector	25

VALVE ACTUATORS		
PART NUMBER	**DESCRIPTION**	**BOX QUANTITY**
2-3070-042	Valve Actuator - 24 VAC (Hayward)	12
2-3070-045	Valve Actuator - 24 VAC (Intermatic)	6
2-3070-049	Valve Actuator - 24 VAC (Pentair)	1

PVC Valves

Various types of valves direct & isolate water flow as well as protect equipment within a solar pool heating system. Valves used are the same as in the the swimming pool trade.

PART NUMBER	DESCRIPTION	BOX QUANTITY
2-2015-004	3-Way Diverter Valve - 2" x 2-1/2" (Non-Positive, Jandy)	12
2-2015-068	3-Way Diverter Valve - 2" x 2-1/2" (Non-Positive, Praher)	12
2-2015-066	3-Way Diverter Valve - 1-1/2" x 2" (Non-Positive, Praher)	12
2-2015-007	3-Way Diverter Valve - 2" x 2-1/2" (Positive, Jandy)	12
2-2015-067	3-Way Diverter Valve - 2" x 2-1/2" (Positive, Praher)	12
2-2015-001	3-Way Diverter Valve - 1-1/2" x 2" (Positive, Jandy)	12
2-2015-065	3-Way Diverter Valve - 1-1/2" x 2" (Positive, Praher)	12
2-2015-071	3-Way Diverter Valve - 1-1/2" x 2" (Positive, Hayward)	20
2-2015-002	2-Way Diverter Valve - 1-1/2" x 2" (Positive, Jandy)	12
2-2015-003	2-Way Diverter Valve - 2" x 2-1/2" (Positive, Jandy)	12
2-2015-063	2-Way Diverter Valve - 1-1/2" x 2" (Positive, Praher)	12
2-2015-064	2-Way Diverter Valve - 2" x 2-1/2" (Positive, Praher)	12
2-2015-010	PVC Check Valve - 2" Spring Check - Magic Plastics (Clear Top)	12
2-2015-053	PVC Check Valve - 2" Spring Check - FlowVis (Integreated Flow Meter)	24
2-2015-015	PVC Check Valve - 2" Swing Check (Slip x Slip)	12
2-2015-018	PVC Check Valve - 2" Swing Check (Slip x Slip Union)	12
2-2015-089	PVC Check Valve - 2" Spring Check (Slip x Slip)	15
2-2015-017	PVC Check Valve - 2" Spring Check (Slip x Slip Union)	12
2-2015-016	PVC Check Valve - 1-1/2" Spring Check (Slip x Slip Union)	12
2-2015-019	PVC Ball Valve - 2" (Slip x Slip)	20
2-2015-037	PVC Ball Valve - 1-1/2" (Slip x Slip, Spears)	20
2-2015-054	PVC Ball Valve - 1-1/2" (Slip x Slip)	48

PVC Pipe Fittings

Schedule 40 PVC pipe & fittings are used to connect solar pool heating collectors to the pool equipment. CPVC pipe and fittings are also available for systems requiring higher temperature resistance. Check with your UMA Solar Sales Represntative for availablility your area.

PART NUMBER	DESCRIPTION	BOX QUANTITY
2-2000-006	PVC Pipe - 2" Sch. 40 (Black)	---
2-2000-007	PVC Pipe - 2" Sch. 40 (Black - CALIFORNIA ONLY)	---
2-2000-005	PVC Pipe - 1-1/2" Sch. 40 (Black)	---
2-2000-003	PVC Pipe - 2" Sch. 40 (White)	---
2-2000-004	PVC Pipe - 2" Sch. 40 (White - CALIFORNIA ONLY)	---
2-2000-024	PVC Pipe - 1-1/2" Sch. 40 (White)	---
2-2015-021	PVC 45 Deg. Elbow - 1-1/2" (Slip x Slip - Black)	50
2-2015-022	PVC 45 Deg. Elbow - 1-1/2" (Slip x Slip - White)	50
2-2015-023	PVC 45 Deg. Elbow - 2" (Slip x Slip - Black)	25
2-2015-024	PVC 45 Deg. Elbow - 2" (Slip x Slip - White)	25
2-2015-039	PVC 90 Deg. Elbow - 1-1/2" (Slip x Slip - Black)	50
2-2015-040	PVC 90 Deg. Elbow - 1-1/2" (Slip x Slip - White)	50
2-2015-041	PVC 90 Deg. Elbow - 2" (Slip x Slip - Black)	25
2-2015-042	PVC 90 Deg. Elbow - 2" (Slip x Slip - White)	25
2-2015-044	PVC Cap -2" (Slip - Black)	50
2-2015-045	PVC Cap -2" (Slip - White)	50
2-2015-046	PVC Coupling - 1-1/2" (Slip x Slip - Black)	50
2-2015-047	PVC Coupling - 1-1/2" (Slip x Slip - White)	50
2-2015-048	PVC Coupling - 2" (Slip x Slip - Black)	25
2-2015-049	PVC Coupling - 2" (Slip x Slip - White)	25
2-2015-058	PVC Male Adapter - 1-1/2" (Slip x MPT - White)	100
2-2015-080	PVC Reducer Bushing - 2" x 1/2" (Slip x FPT - White)	20
2-2015-082	PVC Reducer Bushing - 2" x 3/4" (Slip x FPT - White)	50
2-2015-083	PVC Reducer Bushing - 2" x 3/4" (Spigot x FPT)	50
2-2015-076	PVC Reducer Bushing - 3/4" x 1/2" (MPT x FPT - White)	50
2-2015-090	PVC Street 90 Deg. Elbow - 1-1/2" (Slip x Slip - Black)	50
2-2015-092	PVC Street 90 Deg. Elbow - 2" (Slip x Slip - Black)	20
2-2015-093	PVC Street 90 Deg. Elbow - 2" (Slip x Slip - White)	20
2-2015-097	PVC Tee - 1-1/2" (Slip x Slip x Slip - Black)	25
2-2015-098	PVC Tee - 1-1/2" (Slip x Slip x Slip - White)	25
2-2015-099	PVC Tee - 2" (Slip x Slip x Slip - Black)	25
2-2015-100	PVC Tee - 2" (Slip x Slip x Slip - White)	25
2-2015-025	PVC Union - 2" (Slip x Slip - White)	5

CPVC PIPE & FITTINGS		
PART NUMBER	DESCRIPTION	BOX QUANTITY
2-2000-014	CPVC Pipe - 2" Sch. 40 (Grey)	2800
2-2015-028	CPVC Tee - 2" (Slip x Slip x Slip - Grey)	15
2-2015-029	CPVC 90 Deg. Elbow - 2" (Slip x Slip - Grey)	10
2-2015-030	CPVC 45 Deg. Elbow - 2" (Slip x Slip - Grey)	10
2-2015-035	CPVC Coupling - 2" (Slip x Slip - Grey)	10

PVC Cement & Tools

Pool heating systems from UMA Solar may be installed on a variety of different roof types and support structures. Using the proper anchors, methods, and sealants to support collectors and piping on the roof is essential to a quality installation.

PART NUMBER	DESCRIPTION	BOX QUANTITY
2-2020-004	E-Z Weld 204 PVC Cement (Clear, Medium Body, 1 Gal.)	6
2-2020-009	E-Z Weld 203 PVC Cement (Blue, Medium Body, 1 Qt.)	12
2-2020-011	E-Z Weld 205 PVC Cement (Clear, Regular Body, 1 Qt.)	12
2-2020-012	E-Z Weld 214 Pipe Cleaner (Clear, 1 Gal.)	6
2-2020-013	E-Z Weld 214 Pipe Cleaner (Clear, 1 Qt.)	12

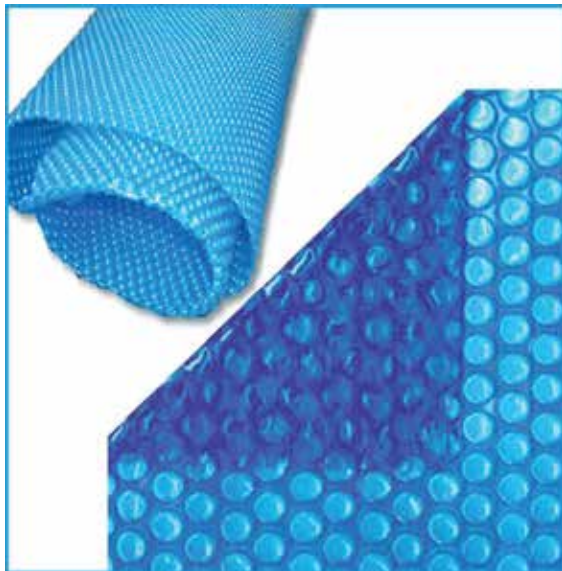| MISCELLANEOUS & TOOLS		
PART NUMBER	DESCRIPTION	BOX QUANTITY
2-2000-010	PVC Pipe Cable Saw (24" long)	1
2-2000-011	PVC Pipe Cutter (1-1/2" - 2" Pipe)	1
1-5120-010	Tough Boy Heavy Duty Cleaning Towels (70 ct.)	1
1-5120-006	Teflon Tape (1/2" width)	100
1-6500-011	Electrical Tape (3/4" width, black)	100

Roof Attachments

Pool heating systems from UMA Solar may be installed on a variety of different roof types and support structures. Using the proper anchors, methods, and sealants to support collectors and piping on the roof is essential to a quality installation.

PART NUMBER	DESCRIPTION	BOX QUANTITY
1-5060-011	1/4" x 4" Stainlees Steel Lag Screw (Hex Head)	100
1-5060-064	1/4" x 2-1/2" Stainlees Steel Lag Screw (Hex Head)	100
2-1020-003	1/4" x 1-1/4" Ultracon Concrete Anchors	100
2-1020-004	1/4" x 1-3/4" Ultracon Concrete Anchors	100
2-1060-007	Universal Standing Seam Clamp (For Short Gator)	1
2-1060-008	Universal Standing Seam Clamp (For Long Gator)	1
3-6060-075	S-5! Protea Bracket	75
3-6060-077	S-5! S-5-S Mini Clamp	50
3-6060-218	Dynamic Fasteners DGDC-U Clamp	30
3-6060-055	7" Aluminum Standoff Mount	1
1-5060-071	Roof Tech RT-MINI II Mount	100
1-5060-072	Roof Tech RT-MINI Mount Screws (5x60 mm Screws)	100
1-5060-082	1/4-20 x 1" Stainless Steel Hex Bolt (For Gator/Mounting Pad to RT-MINI II)	100
1-5060-083	1/4-20 Stainless Steel Hex Nut (For Gator/Mounting Pad to RT-MINI II)	100

PIPING SUPPORT & ANCHORS		
PART NUMBER	**DESCRIPTION**	**BOX QUANTITY**
1-5060-001	#14 x 1-1/2" Stainless Steel Wood Screw (Slotted Hex Head)	100
1-5060-002	#14 x 2" Stainless Steel Wood Screw (Slotted Hex Head)	100
2-2000-001	Pipe Strap - 2" - Two Hole, Aluminum (Mill)	240
2-2000-002	Pipe Strap - 2-1/2" - Two Hole, Aluminum (Mill)	168
2-2000-008	Pipe Strap - 2" - Two Hole, Aluminum (Black)	240
2-2000-009	Pipe Strap - 2-1/2" - Two Hole, Aluminum (Black)	168
2-2000-012	Pipe Strap - 2" - Two Hole, Galv. Steel	50
2-2000-013	Pipe Strap - 2-1/2" - Two Hole, Galv. Steel	25
2-2000-016	Pipe Strap - 2" - Two Hole, Vinyl-Coated Steel (Black)	50
2-2000-017	Pipe Strap - 2-1/2" - Two Hole, Vinyl-Coated Steel (Black)	25
2-2000-018	Pipe Strap - 2" - Two Hole, Vinyl-Coated Steel (White)	50
2-2000-019	Pipe Strap - 2-1/2" - Two Hole, Vinyl-Coated Steel (White)	25

CONSTRUCTION SEALANT		
PART NUMBER	**DESCRIPTION**	**BOX QUANTITY**
2-2020-017	CRL M66 Contruction Sealant (11 oz. Tube, Dark Bronze)	30
2-2020-021	ChemLink M-1 Adhesive/Sealant (10.1 oz. Tube, Gray)	24
2-2020-023	ChemLink 1-Part Pourable Sealant (0.5 gal. Pouch)	4
2-2020-022	ChemLink E-Curb 4" Diameter Round Form	12
2-2020-025	ASI 55 Hybrid Sealant/Adhesive (10.2 oz Tube, Bronze)	24
2-2020-026	ASI 55 Hybrid Sealant/Adhesive (10.2 oz Tube, Black)	24

Pool Blankets

Using a pool blanket will significantly increase the effectiveness of a solar pool heating system by mitigating nocturnal heat loss.

PART NUMBER	DESCRIPTION	BOX QUANTITY
2-3020-012	Pool Blanket - 15' x 30' 8 mil.	1
2-3020-014	Pool Blanket - 16' x 32' 8 mil.	1
2-3020-016	Pool Blanket - 18' x 36' 8 mil.	1
2-3020-018	Pool Blanket - 20' x 40' 8 mil.	1
2-3020-008	Pool Blanket - 12' x 24' 12 mil.	1
2-3020-010	Pool Blanket - 14' x 28' 12 mil.	1
2-3020-011	Pool Blanket - 15' x 30' 12 mil.	1
2-3020-013	Pool Blanket - 16' x 32' 12 mil.	1
2-3020-015	Pool Blanket - 18' x 36' 12 mil.	1
2-3020-017	Pool Blanket - 20' x 40' 12 mil.	1
2-3020-019	Pool Blanket - 25' x 50' 12 mil.	1
2-3020-031	Pool Blanket - 15' x 30' 12 mil. "Space Age"	1
2-3020-032	Pool Blanket - 16' x 32' 12 mil. "Space Age"	1
2-3020-033	Pool Blanket - 18' x 36' 12 mil. "Space Age"	1

REELS FOR POOL BLANKETS		
PART NUMBER	DESCRIPTION	BOX QUANTITY
2-3020-004	Caster Kit for GLI Reels	1
2-3020-005	GLI 16' Aluminum Deck Reel	1
2-3020-006	GLI 20' Aluminum Deck Reel	1

UMA® SOLAR

BUILDING A BRIGHTER FUTURE *with Solar*
ONE HOME AT A TIME!

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Escondido, CA
236 N. Hale Ave
Escondido, CA 92029
760-747-6527

UMA Solar - Headquarters
950 Sunshine Lane
Altamonte Springs, FL 32714
407-831-1941

Benicia, CA
537 Stone Rd Suite B
Benicia, CA 94510
707-863-7723