SOLAR/STIRLING MODELS

...OR BUY A MODEL ‘READY MADE’

SOLAR #1 THE “ORIGINAL” STIRLING CYCLE HOT AIR ENGINE
This miniature Stirling Cycle Engine measures 7” x 4-1/4” and comes complete with built-in alcohol burner. The model comes completely assembled and ready to run accompanied by the “Stirling Cycle Engines” book.
#Solar-1 $124.00

SOLAR #3 THE FLAME EATER
The Fantastic Vacuum Engine
Measures 6” x 8-1/2” and comes with its own alcohol burner. Completely assembled, factory-tested and ready to fascinate you and your audiences with speeds up to 1,000 RPM.
#Solar-3 $354.00

SOLAR #4 THE SUN RUNNER
A solar-powered Stirling Cycle Engine that offers a dramatic demonstration of energy conversion. Can be attached to any conventional camera tripod. Unit comes complete with motor, parabolic mirror, and wick. Can also run as a horizontal engine with our standard alcohol burner.
#Solar-4 $249.00

SOLAR #6 STIRLING CYCLE MOTOR DRIVEN FAN
Completely assembled. The fan is 14” high, fan blade is 6-1/2” with a 19° pitch, the motor is a coaxial Stirling Cycle. We recommend denatured alcohol as fuel.
#Solar-6 $290.00

FOR MORE INFORMATION OR TO PLACE AN ORDER CALL TOLL FREE 800-872-6500

ACCESSORIES FOR SOLAR ENGINES AND MODEL ENGINES

#68 Flexible Drive Belt (pkg. of 5) Each belt is 10” long. $6.25
#80 Chimney $9.00
With chrome plated body and nickel plated lid, it will improve efficiency and solve problems created by drafts.
#81 Dry Fuel Platform (Solar #1 engine) $1.65
This platform will directly replace the alcohol wick assembly in your Solar #1 engine. We recommend using the “ESBIT” tablets.
#82-1 ESBIT Dry Fuel 20 tablets, 4 grams each $4.00
#82-2 ESBIT Dry Fuel 12 tablets, 14 grams each $8.00
ESBIT is manufactured in West Germany. Ideal for Hot Air and Steam Engines. You’ll be amazed at the results.
#90 Alcohol Burner $15.50
Use this if you prefer to use denatured alcohol to run your “Thinking Man’s Engine” or other model. Specify the model.

ACCESSORIES FOR STEAM ENGINE AND BOILER KITS

MODEL #LUB-1 DISPLACEMENT LUBRICATOR
For cylinders from 1/2” up to 2”. This lubricator should be attached to the steam chest or fitted to the steam line close to the engine by a tee. Body is 5/8” diameter, total height 2-1/2”, threaded 1/4”-40, made of brass.
#LUB-1 $25.00
#CYL-OIL cylinder oil $7.00/qt

CHECK VALVES $17.00 each
Authentic scale model Check Valves in cast bronze with stainless steel balls.
#CVH3 horizontal #CVA3 angle 3/16-40
#CVH4 horizontal #CVA4 angle 1/4-40
#CVH5 horizontal #CVH5 angle 5/16-27

GLOBE VALVES
Authentic Scale Model in cast bronze $27.00 EACH
Straight Angle
#GV3 #GAV3 angle 3/16-40
#GV4 #GAV4 angle 1/4-40
#GV5 #GAV5 angle 5/16-27

GLOBE VALVE KITS
Complete with four cast bronze valve bodies and handles plus all required bar stock, packing material and complete working drawings to make four globe valves or angle globe valves.
#GVK3 $13.00 #GVK4 $15.00 #GVK5 $20.00

TAPS AND DIES
31640MPT* 3/16-40 tap $5.50
1440MPT* 1/4-40 tap 5.75
51627MPT** 5/16-27 tap (11/16 NPT) 12.65
31640MPTD 3/16-40 die 1” OD 11.00
1440MPTD 1/4-40 die 1” OD 11.25
51627MPTD** 5/16-27 die 1” OD 17.65
*Model Pipe Straight Thread
**Model Pipe Tapered Thread

MODEL #SV-1 SAFETY VALVE
Stainless steel ball & spring in brass body. Set to blow at 60 psi. approx. Threaded 5/16-27 female (1/16 npt).
#SV-1 $15.00

AIR LOGIC GAUGE
#PG-AL100 0-100 PSI $17.00 each

MODEL #WG-1 WATER GAUGE
Plain water gauge without drain or stock cocks, all brass, threaded 1/4”-40, 3/16” glass, with bushings.
#WG-1 $17.85

GLASS TUBING
GT16 3/16” OD x 6” L $2.25
GT416 1/4” OD x 6” L $2.25

#PB-1S PRESSURE GAUGE WITH SYPHON (imported)
Gauge: 3/4” dia. 0-100 lbs. Syphon: threaded 3/16-40 $59.00
#PG-1S Pressure Gauge w/syphon $59.00
#PG-1 Pressure Gauge (separately) $47.00
#PGS-1 Syphon (separately) 17.00

One Foot Brass Model Pipe
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<td>P5</td>
<td>3.60/ft</td>
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</tbody>
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