SOLAR/STIRLING MODELS

BUILD IT YOURSELF FROM A KIT...

...OR BUY A MODEL ‘READY MADE’

SOLAR #13 The Thinking Man’s Engine Kit
An ideal project for the beginning model builder. Easy to assemble, all machining has been done for you. A dry fuel platform and a test quantity of “ESBIT” dry fuel is supplied. Size: 7-1/2” L x 3-1/2” H x 4” W.
#Solar-13 $92.00

SOLAR #15 The Glassworks Kit
Build this Stirling engine with glass cylinders, runs up to 1500 RPM. Size 7-1/2” x 4” x 3-1/2”. Comes with sample of ESBIT dry fuel. Kit is complete with 3 castings, bar stock, screws, hardware, drawings, machining and assembly required.
#Solar-15 $148.00

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 wrenches. 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

ACCESSORIES FOR SOLAR ENGINES AND MODEL ENGINES

#68 Flexible Drive Belt (pkg. of 5) Each belt is 10” long. $10.95
#80 Chimney $15.90
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) $4.90
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” bore. 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 $12.00/qt

CHECK VALVES $17.00 each
Authentic scale model Check Valves in cast bronze with stainless steel balls.
#CVH3 horizontal #CV3 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 valves. #GVK3 $13.00 #GVK4 $15.00 #GVK5 $20.00

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

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
#GT316 3/16” OD x 6” L 2.10
#GT416 1/4” OD x 6” L 2.25

AIR LOGIC GAUGE
#PGAL100 0-100 PSI $17.00 each

TAPS AND DIES

3/16 OD x 1/8 ID P1 1.25/ft
3/16 OD x 3/16 ID P2 2.25
1/4 OD x 3/16 ID P3 1.80/ft
1/4 OD x 1/4 ID P4 2.10/ft
5/16 OD x 3/16 ID P5 3.60/ft

One Foot Brass Model Pipe

For more information or to place an order call toll free 800-872-6500

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