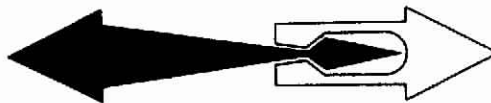


REACTION LABS

SOLID PROPELLANT MOTORS



REACTION LABS

Reaction Labs was developed in an effort to provide reliable high performance solid propellant motors for hobby enthusiast, educational use, research and development as well as industrial applications at an affordable price. Our company philosophy is simple... a quality product at a reasonable price.

REACTION LABS PROVIDES SOLID PROPELLANT ROCKET MOTORS THAT WORK FOR YOU.

INDUSTRIAL- Reaction Labs has provided several Hollywood production companies with rocket motors for special effects.

AEROSPACE- Many of our motors have been utilized by aerospace companies.

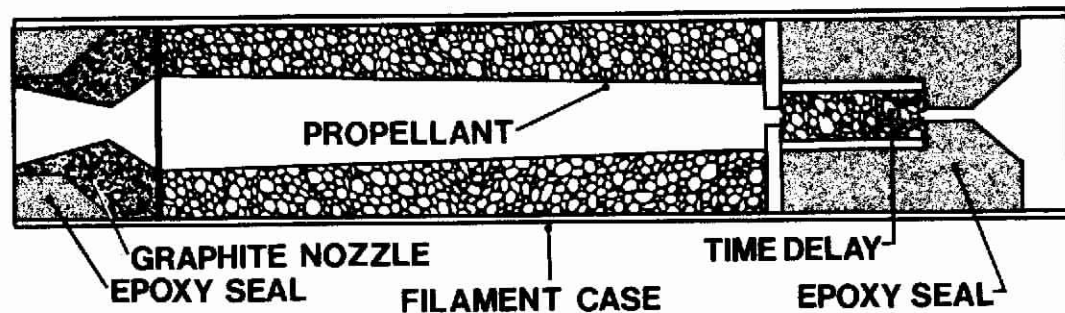
INSTITUTIONS- Several colleges have worked with Reaction Labs to provide graduate students with "hands on data" that is virtually invaluable for those choosing to enter the field of ballistics or propellant engineering.

REACTION LABS SOLID PROPELLANT MOTORS OFFER EFFECTIVE, ECONOMICAL ANSWERS.

In addition to providing proven performance, all Reaction Labs motors cost less than motors from other well established companies. As a result, our motors can be cost-effective replacements for many-if not all-of the motors you use now.

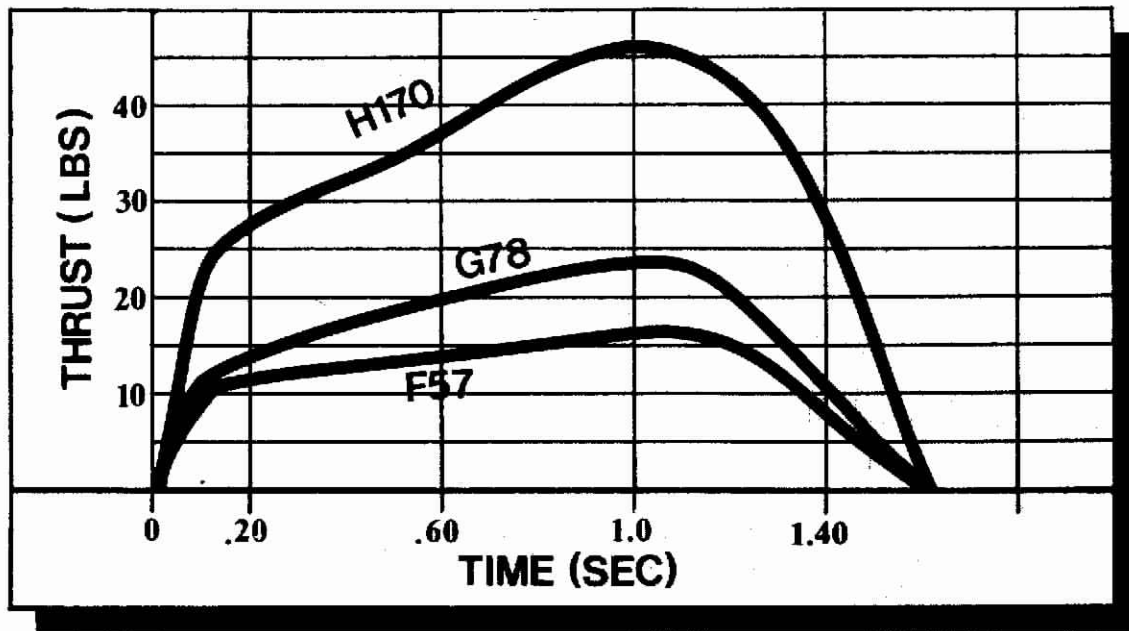
We achieve lower pricing because of our unique manufacturing technique based on modular components. For a given diameter, nozzle parts, propellant tooling, delay components, and closure methods are all interchangeable. For example, the same parts and tooling for the G78 are also used to build the H170. This system reduces the time and cost of manufacturing. Plus, when combined with our direct sales policy, Reaction Labs continues to lead the market with our wide selection and lowest prices.

TYPICAL SECTIONAL VIEW

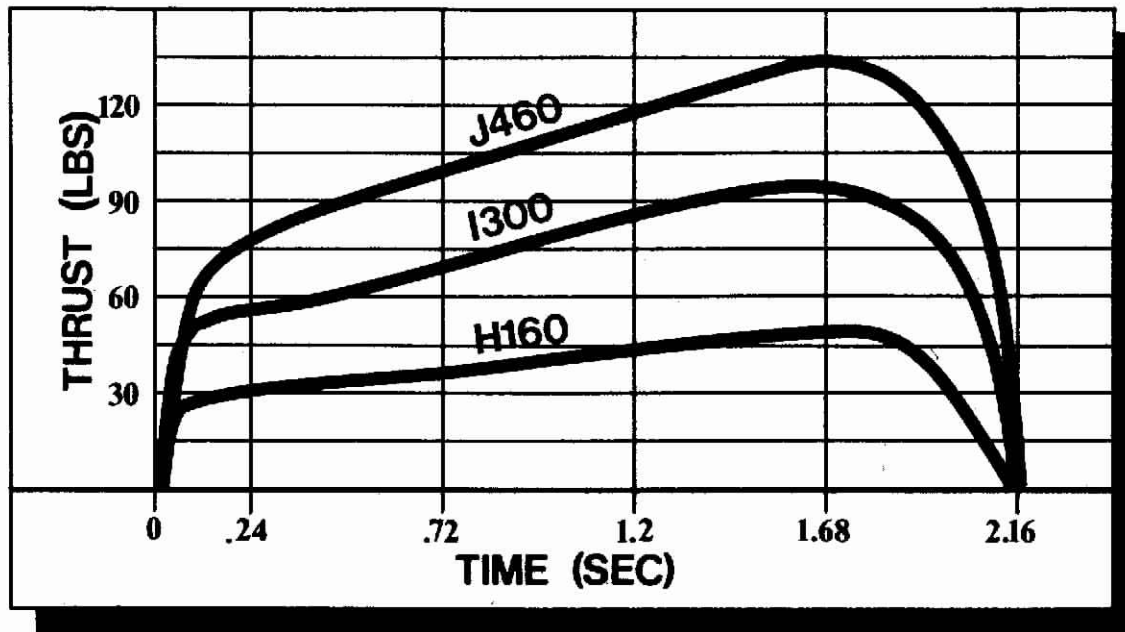


While Reaction Labs motors are inexpensive—they are never "cheap"! Our motors utilize "state of the art" propellant technology as well as quality hardware components.

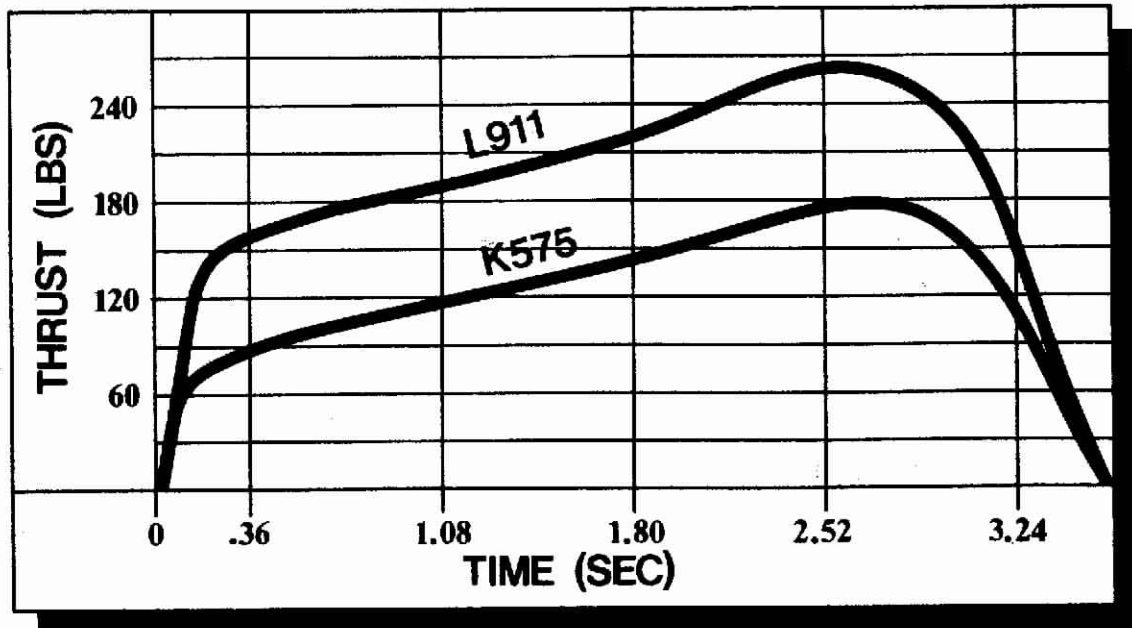
Review the Reaction Labs motors in the catalog and consider how and where they could work for you. If you order from us, we would appreciate any positive or negative feedback from you. Any and all suggestions will be given utmost priority. We appreciate being able to serve you!



MOTOR DESIGNATION:	F57	G78	H170
TOTAL IMPULSE:	80 N/SECONDS	120 N/SECONDS	240 N/SECONDS
INITIAL THRUST:	9.9 POUNDS	12.3 POUNDS	26.9 POUNDS
FINAL THRUST:	17.0 POUNDS	22.7 POUNDS	47.8 POUNDS
DIMENSIONS:	1.125" X 5.0"	1.125" X 6.5"	1.125" X 11.0"
THRUST DURATION:	1.45 SECONDS	1.45 SECONDS	1.45 SECONDS
PROPELLANT WEIGHT:	39 GRAMS	58 GRAMS	116 GRAMS
AVG. PRESSURE:	500 PSI	500 PSI	500 PSI
DELAYS TIMES:	6,9,15 SECONDS	6,9,15 SECONDS	6,9,15 SECONDS
DOT SHIPPING CLASS:	CLASS C EXPLOSIVE	CLASS C EXPLOSIVE	CLASS B EXPLOSIVE



MOTOR DESIGNATION:	H160	I300	J460
TOTAL IMPULSE:	320 N/SECONDS	640 N/SECONDS	960 N/SECONDS
INITIAL THRUST:	25.0 POUNDS	46.8 POUNDS	71.8 POUNDS
FINAL THRUST:	46.9 POUNDS	87.6 POUNDS	132.8 POUNDS
DIMENSIONS:	1.65" X 7.5"	1.65" X 12.7"	1.65" X 18.0"
THRUST DURATION:	2.15 SECONDS	2.15 SECONDS	2.15 SECONDS
PROPELLANT WEIGHT:	160 GRAMS	320 GRAMS	480 GRAMS
AVG. PRESSURE:	650 PSI	575 PSI	575 PSI
DELAYS TIMES:	6, 9, 15, 20 SECONDS	6, 9, 15, 20 SECONDS	6, 9, 15, 20 SECONDS
DoT SHIPPING CLASS:	CLASS B EXPLOSIVE	CLASS B EXPLOSIVE	CLASS B EXPLOSIVE



MOTOR DESIGNATION:	K575	L911
TOTAL IMPULSE:	1920 N/SECONDS	2880 N/SEC
INITIAL THRUST:	73.7 POUNDS	186.5 POUNDS
FINAL THRUST:	111.8 POUNDS	282.9 POUNDS
DIMENSIONS:	2.25" X 18.0"	2.25" X 24.0"
THRUST DURATION:	3.50 SECONDS	3.50 SECONDS
PROPELLANT WEIGHT:	960 GRAMS	1440 GRAMS
AVG. PRESSURE:	600 PSI	600 PSI
DELAYS TIMES:	6,9,15,20 SECONDS	SOLID BULKHEAD

DoT SHIPPING CLASS: CLASS B EXPLOSIVE

CLASS B EXPLOSIVE

***** REPLACEMENT IGNITORS *****

Replacement ignitors for all coreburning-type motors. Our design ensures rapid ignition. Great for use in clusters! All ignitors are continuity safe and include full instructions.

6" leads for E, F, G motors
CATALOG# IG-1 (6 pack)

12" leads, double coated for G, H, I motors
CATALOG# IG-2 (6 pack)

HALO-WIRE ignitors for larger composites. 36" leads, continuity safe.
CATALOG# IG-3 (single pack)

***** REACTION LABS T-SHIRTS *****

Attractive silver-gray T-shirt with the Reaction Labs logo in orange and royal blue. Available in medium, large, and extra large.
CATALOG# TS-1 (include size)

***** HOW TO ORDER *****

Please use our order form when making an order. Our minimum order amount is \$15.00. Class C motors can be sent via UPS or US Mail. Please contact us before placing any order containing Class B products. All motor orders are shipped with ignitors and full instructions. All 1.65" diameter motors include an adapter to allow the motor to be flown in any 2-1/8" motor mount. Consult the order form for full ordering instructions.



REACTION LABS

1987 SUMMER PRICE LIST

F57...	\$5.95	G78...	\$8.95
H170..	\$11.95	H160..	\$16.95
I300..	\$29.95	J460..	\$44.95
K575..	\$79.95	L911..	\$119.95

***** IGNITOR OPTION *****

Upon request, all of our motors can be equipped to accept a high-energy, field-installed ignitor. This integral ignitor, replaces "standard" nozzle inserted ignition methods and can be designed to meet specific ignition requirements.

- 1.125" motors (CATALOG# MI-12) \$7.50
- 1.650" motors (CATALOG# MI-16) \$9.00
- 2.250" motors (CATALOG# MI-22) \$15.00

NOTE: No time delay can be included in the motor when this option has been installed.

***** DELAY OPTION *****

A redundant solid delay can be included in any 1.65" or 2.25" motor for increased recovery reliability for expensive payloads.

- 1.650" motors (CATALOG# MRD-16) \$5.00
- 2.250" motors (CATALOG# MRD-22) \$6.50

***** REPLACEMENT IGNITORS *****

- 6- 6" leads (CATALOG# IG-1) \$4.25
- 6- 12" leads (CATALOG# IG-2) \$4.95
- 1- HALO-WIRE 36" lead (CATALOG# IG-3) \$2.00

***** REACTION LABS T-SHIRTS *****

Sizes: medium, large, and extra-large
(CATALOG# TS-1) \$8.50