



HIGH-PRESSURE
PNEUMATICS

PNEUMATIC / FIRING VALVE



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Pneumatic Ejection Valve System

Marotta's Pneumatic Ejection Valve Manifold Assembly System consists of a firing valve, integral accumulator, relief valve, manual vent valve, integrated latch points, pitch control valve and dual outlet ports all in a high performance package.



High-pressure pneumatics is proving to be the most high performance, low maintenance, reusable ways for the war fighter to release stores and jettison weapons in milliseconds.

Features:

- Consistent shot-to-shot ejection profiles
- High flow design for maximum performance using minimum stored volume
- Fast response time: full flow <25 milliseconds
- Integral high pressure accumulator
- Integral latch actuator
- No-flow prior to unlatch
- Safety interlocks
- No required preventive maintenance
- No pyrotechnic charges
- High strength-to-weight ratio materials
- Ultra low leakage rates for extended time at pressure
- Precision inverted relief valve design
- Temperature Range: -40F to 178F
- Operating Pressure: 5,100 psi
- Proof Pressure: 8,750 psig
- Burst Pressure: 12,750 psig
- Relief Valve Set Point: 5,400 psig
- Qualified to MIL-STD-810



Unit shown is in service for the USAF

Small Diameter Bomb

Customizable for any application

MIL-STD-810

High Reliability

Millisecond Operation

Pneumatically Operated

 **MAROTTA®**

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**WHEN IT COMES TO
HIGH PRESSURE PNEUMATICS
WE'RE IN CONTROL**