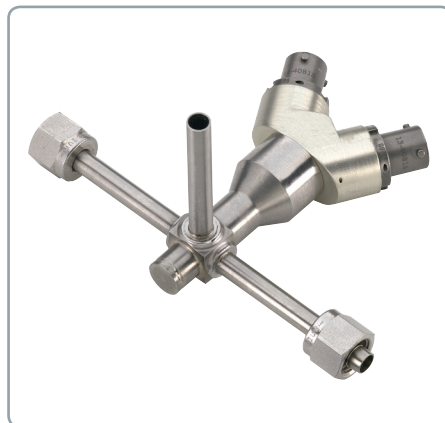
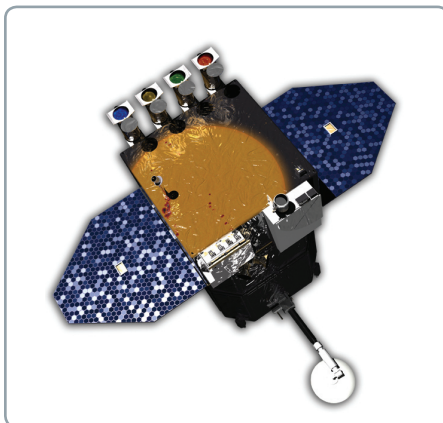
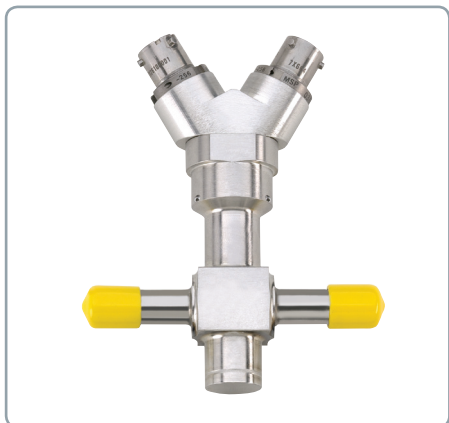


The most important thing we build is trust



Applications

Critical satellite and launch vehicle propulsion systems.

Physical Specifications

Type	Normally Closed (N/C)	Normally Open (N/O)
Size	1/4 inch (0.635cm)	3/8 inch (0.953 cm)
	1/2 inch (1.27 cm)	1 inch (2.54 cm)
	Other sizes available.	

- Initiator NSI or equivalent
- Shear Fitting, Valve Body Material and Weight customized for project needs.
- Low Pressure and High Pressure valves are available with varying operating ranges and valve characteristics.
- Extremely low leakage, low pressure drop and wide range of operating temperature.

Performance Characteristics (Service Options)

Air	Argon	Carbon Dioxide
Carbon Monoxide	Cyanide	Distilled Water
Freon	Hydrazine	Hydrogen
Hydraulic	Isopropanol	JP-10
Methane	MMH	Nitrogen Tetroxide
Oxygen	SF6	Xenon

Programs Include

A2100	Atlas	AXAF
BSS 601,702, 703	Delta II	LRO Mars 03
Mars Surveyor	SDO	Targets & Countermeasures
Taurus	WINDS	Superbird-7

Spaceflight and in-service proven, highly reliable pyrovalves are critical to satellite, launch and other vehicle propulsion systems. As an early pioneer in the field, developing the very first “metal to metal” seal pyrovalve over 40 years ago, Cobham pyrovalves are recognized for their reliability, low weight and flight heritage. All sizes, pressure ratings, types (normally open, normally closed), materials and media compatible pyrovalves are available.

Valve Operation:

Upon receipt of the firing current, the initiator ignites a booster charge located within the valve body. During normally closed valve operation, the booster output drives the interference fit cutter downward, shearing and removing a parent metal fitting and opening the flow path. With normally open pyrovalves, the interference fit ram is driven downward to close the flow path. Cobham’s proven “metal to metal” seal technology ensures isolation of pyrotechnic combustion products.

These pyrovalves are compatible with NASA Standard Initiators and NSI equivalents and are fully flight qualified. There are over 40 different configurations in production based upon customer’s unique requirements.

Cage Code 62323
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