

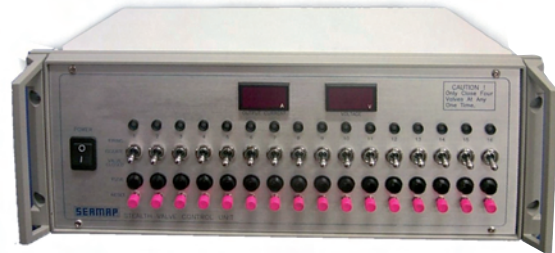


Stealth Valve | Vessel Operated Air Gun Shut Off Valve

- Provides a simple method of control by switching off the air supply to seismic air guns.
- Easy installation utilizing the existing firing lines to control the valve.
- Built-in safety return valve ensures the gun cannot remain charged when umbilicals are depressurized.
- Valve is available in custom wiring configurations to match existing electrical and air line connectors.
- Manufactured in 316 stainless steel housing with high quality components to withstand the harsh environment.
- Standard 19" rack mount on-board controller activating the valve by the flick of a switch.



Valve



Valve Controller

The Seamap Stealth Shut Off Valve provides the seismic crew with full control of the air flow to a seismic gun using existing gun umbilical firing lines.

The valve is fitted with three mounting holes to allow easy installation on the gun chain plate or float base.

The valve utilizes the existing umbilical firing lines. Installation is quickly completed by inserting the valve in between the main umbilical and the firing line pigtail and by moving the air hose on the gun to the valve and running a short jumper air line from the valve to the gun. The valve is available in custom wiring configurations to match your existing electrical and air connectors. You only need to supply the additional short jumper air line.

The valve is normally open and is closed by a solenoid which operates on a constant current supply. The solenoid is wired in parallel to the firing solenoid of the air gun with

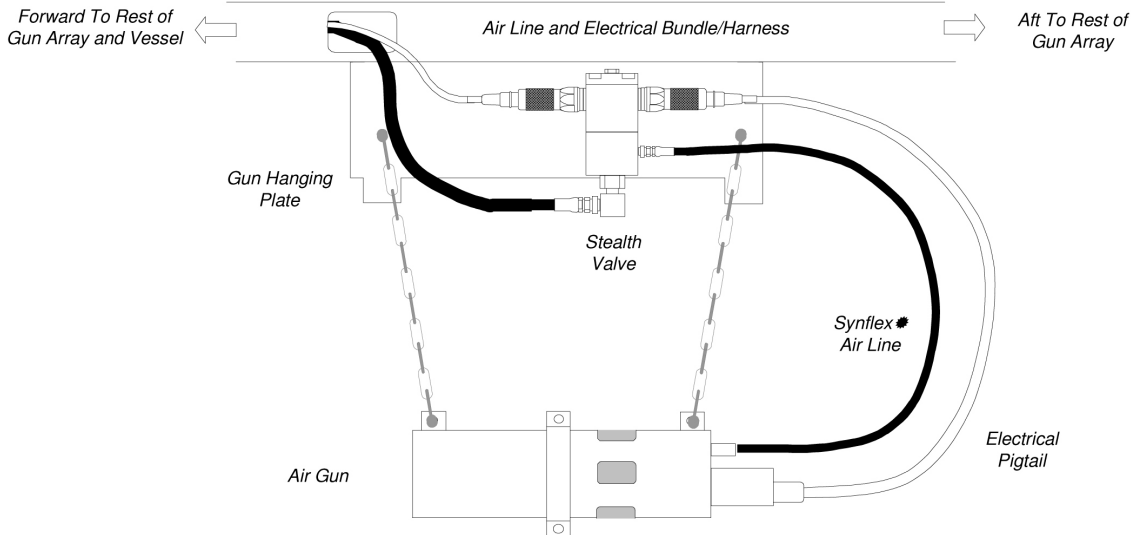
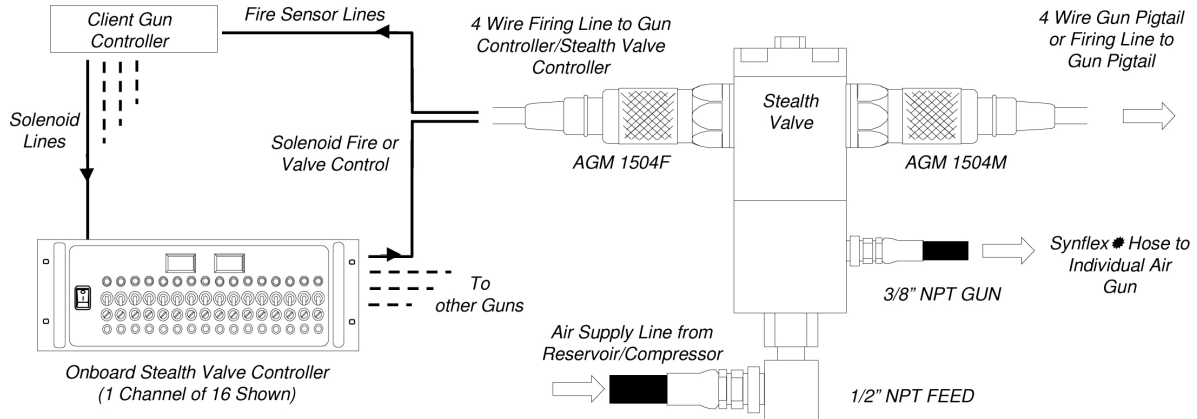
additional circuitry to ensure that the firing of the gun does not operate the valve. On board the vessel the gun valve controller is wired in between the gun controller solenoid power supply and the gun firing lines.

In normal operation, the firing lines are connected directly to the solenoid power supply through the valve controller. When the operator flicks the switch on the valve controller to close a particular valve, the gun solenoid power supply is disconnected from the gun line and a constant current source is applied. This causes the air valve to close but does not effect the gun.

The valve can be opened again at any time by returning the switch to the firing position.

Stealth Valve

Installation



Specifications

Valve	
Maximum Working Pressure	2,500 PSI
Maximum Open Flow Rate	2,500NM ³ /hr. @ 2,500PSI
Electrical Connector	Standard AGM 1504M/F or to client's specification
Air Connector	Standard 1/2" NPT or to client's specification
Size	18.5 x 7.5 x 5 cm
Weight	5.7 Kg
Gun Compatibility	10 cu in. to 1,000 cu in.

Controller	
No. of Channels	16
Output Power	4 channels @ 1A each
Front Panel Displays	Output current and voltage meters
Input Power	100 to 240 Volt AC, 50/60 Hz;
Dimensions	48 x 38 x 9 cm



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