SPITFIRE

ADDRESSABLE PERFORATING SWITCHES

VIGOR USA
THROUGH INNOVATION WE EVOLVE

When Consistency and Reliability Matters...

SPITFIRE addressable perforating switch system utilizes our latest innovative TAF technology. You can be assured of a reliable, safe, consistent operation during the entire selective firing process. SPITFIRE utilizes a unique switch recognition pattern, enabling selective perforations that communicate with the ground control panel in real-time.

FEATURES AND BENEFITS

» Simple T A F Operation
» SKIP function in the event of misfire
» Up to 40 guns can be run on a single string
» Real-time monitoring of ignition voltage, current and well temperature
» By-pass function in the event of misfire
» Bi-directional communication system provides accurate, reliable and safe operations
» Temperature rating up to 347 Deg F
» Comprehensive touch screen and button interface
» All operations can be logged and saved for future reference
» RF safe

TECHNICAL PARAMETERS

CONTROL SWITCH SPECIFICATIONS

Environment Rating	
Storage Temperature Range [°C]	-30 to 75
Operation Temperature Range [°C]	-10 to 55
Humidity	10% to 95% RH/No Dew
Adapt to Altitude/ft	10000 ft

Electric Performance	
Power AC	100-240 VAC
Power Frequency	50-60 Hz, Single Phase, 2-Wires +Ground
Voltage Output	0 to -400 VDC
Current Output	0 to 1.0A
Power Output	400W (400V/1A)

Other Parameter	
Size [mm]	420x326x182
Weight [kg]	10 kg
Accessory Wire	10A/250V, 3 Copper Core 7ft

CONTROL PANEL SPECIFICATIONS

Environment Rating	
Storage Temperature Range [°C]	-40 to 150
Operation Temperature Range [°C]	-20 to 150
Thermal Deformation °C/min [°C]	5
Vibration Test	10/min, 3.5 ft
Humidity	10% to 95% RH/No Dew
Adapt to Altitude/ft	10000 ft

Electric Performance	
Operation Voltage	-10 to -400 VDC
Communication Current	25.0mA
Max Fire Current	1.0A/12s
Communication Mode	Intercommunication

Compatibility	
Detonator	EBW 55Ω or Higher，Magnetic, EFI
Igniters-setting tool	50-60Ω
Size	57X23X11mm
Maximum Switches in a Gun String	40
All detonators or igniters are fired using negative voltage.	

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