

Table 1: Standard Auxiliary Switches

Valve	Part Numbers	
Manual Reset 1518 1518E 1518-8	VCS-1	VOS-2
	R947-1000	R947-1002
	R947-1004	R947-1006
Motorized 1519 1519E	R947-1000	R947-1002
	R947-1004	R947-1006

Standard switches

VCS-1 is a SPDT "proof-of-closure".
VOS-2 is a DPDT "proof-of-open".

Special switches (120 V ac hermetically sealed or for dc operation) are available at extra cost. Valves with special switches do not carry agency approval labels. Contact North American for these special applications.

Table 2: Replacement Solenoid Kits

Valve	Size	115/60	115/50	230/60	230/50
1518 1519	-0 thru -3 All	R947-1101	R947-1102	R947-1103	R947-1104
	-4 thru -6 Except -E	R947-1105	R947-1106	R947-1107	R947-1108
	-5-E thru -7-E All	R947-1109	R947-1110	R947-1112	R947-1113
1518	-8	R947-1109	R947-1110	R947-1112	R947-1113

Table 3: Replacement Motor Operators

Valve	Operator number		Opening times	
	115/60/50	230/60/50	60 Hz	50 Hz
1519 Except -E	R947-1200	R947-1205	6 Seconds	7.2 Seconds
1519-E All	R947-1200	R947-1205	6 Seconds	7.2 Seconds
1519-X All	R947-1206	R947-1207	10 Seconds for -7 14 Seconds for -8	12 Seconds for -7 17 Seconds for -8

All valve opening times are nominal, contingent on actual voltage, Hz, temperature, inlet pressure, etc.

WARNING: Situations dangerous to personnel and property may exist with the operation and maintenance of any combustion equipment. The presence of fuels, oxidants, hot and cold combustion products, hot surfaces, electrical power in control and ignition circuits, etc., are inherent with any combustion application. Components in combustion systems may exceed 160°F (71°C) surface temperatures and present hot surface contact hazard. Fives North American Combustion, Inc. suggests the use of combustion systems that are in compliance with all Safety Codes, Standards, Regulations and Directives; and care in operation.

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