

The Viking Corporation

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Viking Pre-Action Systems (Pre-Action Control Valves descriptions)

Product Name	Size(s) (mm)	Mounting Attitude	Body Material	Type	Max. Working Pressure (bar)	Connections	LPCB Ref. No.
Type 1 Single-Interlocked Pre-action system	50	Angle style	Ductile Iron	E-1	16	Screwed/Screwed	096f/01
	80, 100, 150	Angle Style	Ductile Iron	E-1	16	Flange/Flange Flange/Groove	096f/02
	50	Angle Style	Ductile Iron	E-1	16	Screwed/Screwed	096f/03
Type 1 Surefire (TM) Single-Interlocked Pre- action system	80, 100, 150,	Angle Style	Ductile Iron	E-1	16	Flange/Flange Flange/Groove	096f/04
	50	Angle Style	Ductile Iron	E-1	16	Screwed/Screwed	096f/05
	80, 100, 150	Angle Style	Ductile Iron	E-1	16	Flange/Flange Flange/Groove	096f/06
Type 2 Non-Interlocked Pre-action system	50	Angle Style	Ductile Iron	E-1	16	Screwed/Screwed	096f/05
	80, 100, 150	Angle Style	Ductile Iron	E-1	16	Flange/Flange Flange/Groove	096f/06

Notes

1. The above systems are approved for use with hydraulic, pneumatic and pneu-lectric release systems.
2. The above systems are available with TrimPac™
3. The above systems are available as TotalPac™

Approval Conditions:

1. The above pre-action system employs duplicate solenoid valves. For details of the solenoid valves contact Viking. The solenoid valves shall be LPCB approved.
2. Solenoid valves shall be installed in parallel.
3. Solenoid valves shall function in pneumatic conditions only, and be protected by a strainer.
4. LPCB Certificated detectors compatible with the control and indicating equipment shall be used.
5. Suitable electrical detection control and indicating equipment and pneumatic systems which are compatible with the equipment identified above shall be used. The control and indicating equipment should be LPCB approved/certificated.
6. Connecting cables shall comply with BS 6387:1994, classification C, W, Z evidenced by LPCB certification.
7. The system shall be electrically monitored to demonstrate that it is in a 'ready to operate' state at all times.
8. Clean dry air shall be used.
9. The equipment must be installed, operated and maintained as prescribed in the Viking Corporation installation, operating and maintenance manual.
10. The pre-action system shall be configured in accordance with Viking Corporation's datasheets.
11. The pre-action systems shall comply with the details specified in LPC Technical Bulletin TB208: Supplementary Requirements for Sprinkler Installations which can operate in the dry mode.
12. The Viking Corporation is the firm responsible for the complete pre-action station.

Sprinkler system re-cycling systems for use under the *LPC Rules for Automatic Sprinkler Installations* have been approved to a schedule of requirements developed by LPCB (please contact LPCB for further details). The products shall be installed and maintained in accordance with the manufacturers instructions.

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Approved Products

		LPCB Ref. No.
Viking Firecycle III Cyling (single interlocked) System	Flow control valves (Model H-1) 50mm 80mm 100mm 150mm Control panel (Model B-1) Heat detectors (Type FC 1002 - 140° F) M1 cable used for connecting the heat detectors in a series circuit	096d/02
Viking Firecycle III Cyling (double interlocked) System	Flow control valves (Model H-1) 50mm 80mm 100mm 150mm Control panel (Model E-1) Heat detectors (Type FC 1002 - 140o F)	096d/03

Approval Conditions:

1. The above Firecycle systems employs duplicate solenoid valves. For details of the solenoid valves contact Viking. The solenoid valves shall be LPCB approved.
2. Solenoid valves shall be installed in parallel.
3. Solenoid valves may function in hydraulic or pneumatic conditions, and be protected by a strainer.
4. Heat detectors compatible with the control and indicating equipment shall be used.
5. Suitable electrical detection control and indicating equipment which is compatible with the equipment identified above shall be used. The control and indicating equipment should be LPCB approved/certificated.
6. Connecting cables shall comply with BS 5839-1: 2002 and be LPCB approved.
7. The system shall be electrically monitored to demonstrate that it is in a 'ready-to-operate' state at all times.
8. Clean dry air shall be used where applicable.
9. The equipment must be installed, operated and maintained as prescribed in Viking Corporation's installation, operating and maintenance manual.
10. The Firecycle III systems shall be configured in accordance with Viking Corporation's specifications.
11. The Firecycle III systems shall comply with the details specified in LPC Technical Bulletin 208 Supplementary Requirements for sprinkler installations which can operate in dry mode.
12. Viking Corporation are the firm responsible for the complete Firecycle III station, including electrics.