DRY PIPE SYSTEM
VIKING PRODUCT SPECIFICATIONS

1. **MODEL D-2 ACCELERATOR ..... Page 111a**
   Where required, the sprinkler system quick opening device shall be a UL Listed and Factory Mutual Approved accelerator with an internal anti-flooding device. Accelerator shall have an air source from a dependable air source regulated through an approved air maintenance device. Accelerator shall be constructed so that device does not have to be drained after operation. Accelerator shall not require to be removed from dry valve trim piping if servicing of accelerator is necessary. Accelerator shall be of the same manufacturer as the dry pipe valve or deluge valve and shall be listed for use together. Accelerator manufacturer to be The Viking Corporation. Accelerator Model to be D-2.

2. **MODEL F-1 or F-2 3"- 6" DRY VALVE ..... Page 120a or 135a**
   All dry pipe systems shall be equipped with a dry pipe valve. The dry pipe valve shall be a positive latching clapper, differential type dry valve. Dry pipe valve shall be resettable with a resetting bar and not require priming. Dry valve shall be UL Listed and Factory Mutual Approved. Air pressure to water pressure area differential to be approximately 6 to 1. Dry valve trim piping shall be galvanized and include a connection for a non-interruptible circuit closer. Valve body shall be ductile iron. Dry Pipe Valve manufacturer to be The Viking Corporation. Dry Pipe Valve Model to be F-1 or F-2.

3. **MODEL E-1 ACCELERATOR ..... Page 122a**
   Where required, the sprinkler system quick opening device shall be an accelerator with a separate external anti-flooding device. Accelerator shall be UL Listed and Factory Mutual Approved. Accelerator shall have an air source from a tank mounted air compressor, plant air and approved air maintenance device. Accelerator shall be of the same manufacturer as the dry pipe valve or deluge valve and be listed for use together. Accelerator manufacturer to be The Viking Corporation. Accelerator Model to be E-1.

4. **MODEL B-1 ANTI-FLOOD DEVICE ..... Page 123a**
   Accelerators installed on sprinkler systems shall be equipped with an external anti-flooding device. Anti-flooding device shall be of a brass body. Anti-flooding device shall be UL Listed and Factory Mutual Approved for installation with accelerator installed. Anti-Flooding Device manufacturer to be The Viking Corporation. Anti-Flooding Device Model to be B-1.

5. **MODEL D-2 AIR MAINTENANCE DEVICE ..... Page 127a**
   Air supplies provided for sprinkler systems from plant air or tank mounted air compressors shall be equipped with an automatic air pressure maintenance device. Air maintenance device shall be equipped with a ¼" air supply bypass with a field adjustable air pressure regulator with a built-in ball check valve to eliminate air loss when system is in service. Air maintenance device shall have a factory setting of 40 PSI (276 kPa). Air supply shall be from an air reservoir or a tank mounted compressor. Air Maintenance Device manufacturer to be The Viking Corporation. Air Maintenance Device Model to be D-2.

6. **DEHYDRATOR ..... Page 231**
   When air supplies for dry pipe or preaction sprinkler systems are subject to moisture or condensation into the system piping, an air dehydrator shall be installed in the air supply piping to the system. The air dehydrator shall be equipped with a means of visually indicating if the medium used to remove moisture is saturated. Air dehydrator shall have a drying capacity of 4400 sc ft of air at -45°F and be capable of maximum air flow of 10 sc ft/min at 100 PSI. Air Dehydrator manufacturer shall be The Viking Corporation, part number 01285A.

7. **MODEL F-1 AIR MAINTENANCE COMPRESSOR ..... Page 131c**
   Sprinkler systems requiring an air supply with a capacity of 150 gallons or less shall be equipped with a riser mounted, electric motor-driven, air-cooled, single-stage, oil-less compressor. Air compressor motor shall be ¼ horsepower in size and produce 1.5 SCFM at 50 PSI. The field adjustable pressure range of air compressor shall be 14-60 PSI. Air compressor discharge outlet shall be equipped with a pressure relief valve with a factory setting of 65 PSI. Air compressor discharge piping will include a ¼" check valve to prevent system air pressure loss. Maintenance air compressor shall be UL 2125 approved. Air Compressor manufacturer to be Viking Corporation. Air Compressor Model shall be F-1.

8. **MODEL B-1 & B-2 FLOAT CHECK VALVE ASSEMBLY ..... Page 134a**
Sprinkler systems that are using pneumatic devices, which may be subject to water column pressure shall incorporate a float check valve assembly. The float check valve assembly shall have a corrosion resistant brass body with a 250-psi pressure rating. The float check valve shall utilize a polypropylene ball, which makes contact with a gasketed seat to prevent water pressure from reaching the pneumatic device. The float check valve shall be UL listed and FM approved. The float check valve manufacture to be the Viking Corporation. The float check valve assembly model to be B-1 or B-2.

9. **MODEL LD-1 ANTI-COLUMN DEVICE ..... Page 136a**
Dry pipe and preaction sprinkler systems that are using pneumatic devices, which may be subject to water column, shall incorporate an automatic anti-column device. The anti-column device shall have a stainless steel body. The anti-column device shall utilize a stainless steel float ball which rises when water in the system accumulates to the level of the anti-column device. When the float ball rises, water is automatically drained from the system. The anti-column device shall be UL listed and FM approved. The anti-column device shall be manufactured by the Viking Corporation. The anti-column device model to be LD-1.