



TECHNICAL DATA SHEET

Sprinkler Cabinets

1. DESCRIPTION AND INTENDED USE

The Viking sprinkler cabinet is intended to be used with fire sprinkler systems, as allowed by applicable approval authorities. The sprinkler cabinet must be used in accordance FM Global or with NFPA 13 requirements. The NFPA 13 requirements include:

- Having a representative number of each sprinkler head type and temperature rating in the cabinet. (See section 1.1 below for more details concerning spare sprinklers.)
- Having a special sprinkler wrench in the cabinet.

FM Global's requirements may vary. Refer to the latest revision of the FM 2-0 data sheet for current requirement details.



1.1 Spare Sprinklers Per System

The required number of spare sprinklers depends on the size of the sprinkler system:

Number of Sprinklers in System	Minimum Number of Spare Sprinklers Required
Under 300	6
300 - 1,000	12
Over 1,000	24

Governmental codes, ordinances, and standards may apply and may differ from one another.

2. TECHNICAL SPECIFICATIONS

2.1 Material Standards

The sprinkler cabinet should be located adjacent to the main system riser.

Description	Value
Sprinkler cabinet mounting holes diameter	3/16" (4.8 mm)
Spacing between mounting holes	3-1/2" (88.9 mm) length
Description	Materials
Sprinkler cabinet	Cold-rolled steel
Finish	Painted high-gloss red enamel (interior and exterior)
Door knob	Chrome-plated



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2.2 Sprinkler Cabinet Part Numbers and General Information

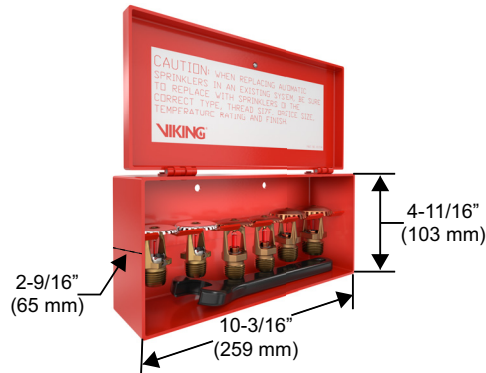


Figure – 1: Cabinet 01724A

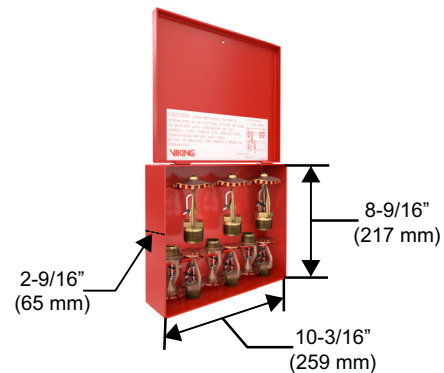


Figure – 2: Cabinet 01725A

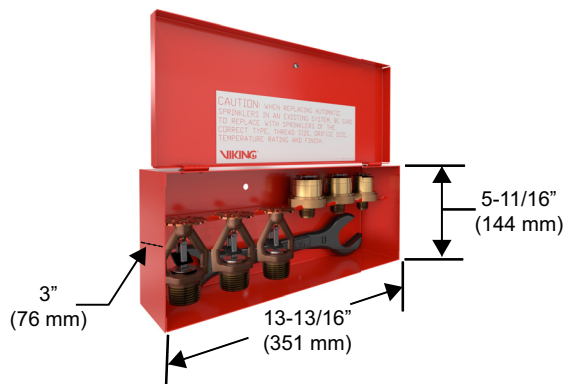


Figure – 3: Cabinet 01731A

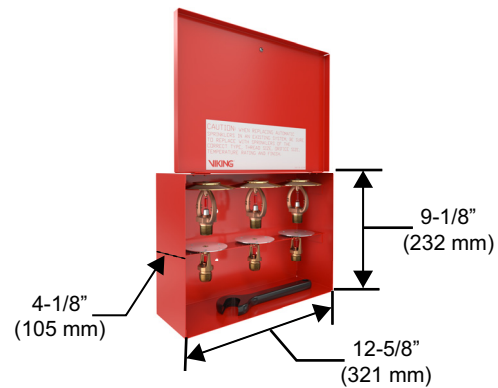


Figure – 4: Cabinet 03985A

Associated Sprinkler Model(s)	Cabinet Capacity	Cabinet Part Number	Size		
			Length	Height	Depth
Viking frame-style sprinklers (Model M and XT1)	6 sprinklers	01724A (Available since 1971)	10-3/16" (259 mm)	4-11/16" (103 mm)	2-9/16" (65 mm)
Viking frame-style sprinklers, ESFR K14 sprinklers, K16.8 pendent sprinklers, and K25.2 EC sprinklers	12 sprinklers (6 K25.2 EC sprinklers)	01725A (Available since 1971)	10-3/16" (259 mm)	8-9/16" (217 mm)	2-9/16" (65 mm)
Viking concealed and flush-style sprinklers, ESFR K22.4, K25.2, and K28.0 pendent sprinklers, and K19.6 CMSA sprinklers	5-6 sprinklers	01731A (Available since 1971)	13-13/16" (351 mm)	5-11/16" (144 mm)	3" (76 mm)
High Challenge® sprinklers, upright ESFR sprinklers, and Intermediate Level sprinklers	6 sprinklers	03985A (Available since 1977)	12-5/8" (321 mm)	9-1/8" (232 mm)	4-1/8" (105 mm)



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2.3 Sprinkler Cabinet Screw Dimensions

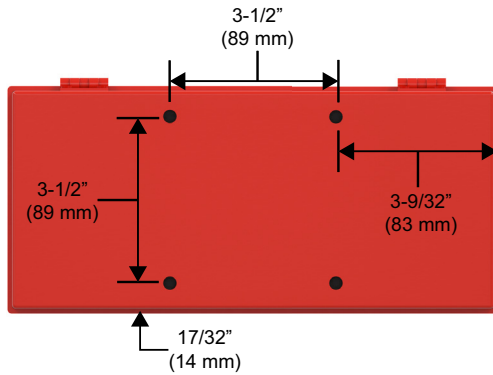


Figure – 5: Cabinet 01724A

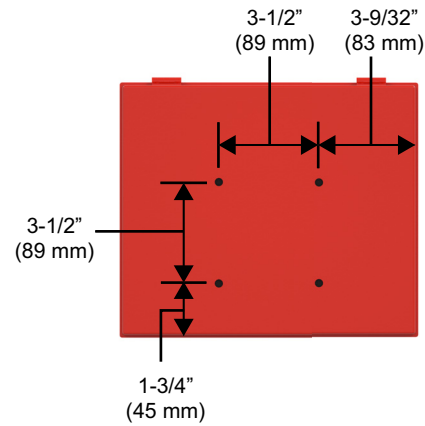


Figure – 6: Cabinet 01725A

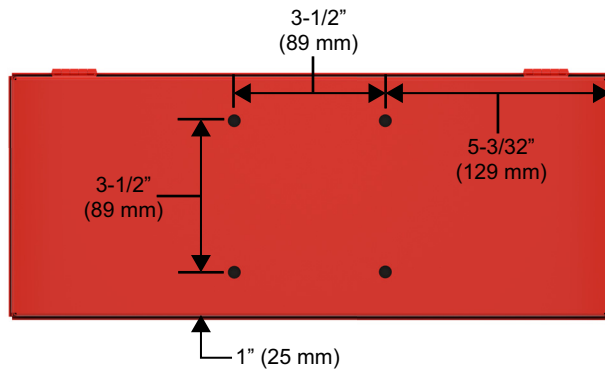


Figure – 7: Cabinet 01731A

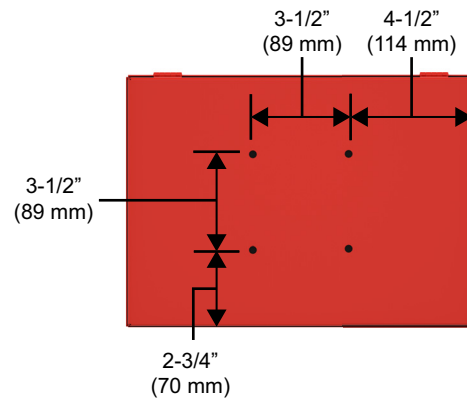


Figure – 8: Cabinet 03985A

Cabinet Part Number	Hole Size	Hole to Hole (Vertically)	Hole to Hole (Horizontally)	Hole to Cabinet Edge (Vertically)	Hole to Cabinet Edge (Horizontally)
01724A	9/32" (7 mm)	3-1/2" (89 mm)	3-1/2" (89 mm)	17/32" (14 mm)	3-9/32" (83 mm)
01725A	9/32" (7 mm)	3-1/2" (89 mm)	3-1/2" (89 mm)	1-3/4" (45 mm)	3-9/32" (83 mm)
01731A	19/64" (7 mm)	3-1/2" (89 mm)	3-1/2" (89 mm)	1" (25 mm)	5-3/32" (129 mm)
03985A	9/32" (7 mm)	3-1/2" (89 mm)	3-1/2" (89 mm)	2-3/4" (70 mm)	4-1/2" (114 mm)



3. INSTALLATION

Refer to the specific sprinkler or spray nozzle technical data page(s) for details.

4. INSPECTIONS, TESTS, AND MAINTENANCE

Refer to NFPA 25 for details concerning inspections, testing, and maintenance.

5. ORDERING PROCEDURE

1. Determine the appropriate cabinet (see table above) for use with the specific sprinkler model/number of sprinklers to be contained in the cabinet.
2. Specify the cabinet part number and quantity needed.

NOTE: Sprinklers and sprinkler wrenches are not supplied with the cabinets. They must be ordered separately.

6. SPRINKLER CABINET REQUIREMENTS

- The sprinkler cabinet must be easily accessible.
- The sprinkler cabinet must not be exposed to corrosive atmospheres or temperatures above 100°F (38°C).
- The stock of spare sprinklers should include an adequate number of sprinklers of each type and temperature rating.
- The stock of sprinklers must be in good condition.
- The cabinet must include the appropriate wrenches for the sprinklers in the system.
- Orient sprinklers and sprinkler wrenches.

CAUTION

When replacing automatic sprinklers in an existing system, be sure to replace them with sprinklers of the correct type, thread size, temperature rating, and finish.

7. CARE AND HANDLING

Refer to Bulletin Form No. F_091699 for proper care and handling. Also refer to the appropriate sprinkler data page(s).

Viking sprinklers and spray nozzles are designed to be installed in accordance with the latest Viking technical data, the latest NFPA, FM Global, LPCB, APSAD, and VdS standards, among other similar organizations, and the latest government codes, ordinances, and standards where applicable.

The use of certain sprinkler types may be limited due to occupancy and hazard. Refer to the Authority Having Jurisdiction (AHJ) prior to installation.



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8. CONTACT

The sprinkler wrenches are available through Viking distributors only. Contact your local Viking sales office, which can be found on our website:

Americas and Asia: www.vikinggroupinc.com/locations OR Europe, Middle East, Africa (EMEA): www.viking-emea.com/contact

Manufacturer:

The Viking Corporation
5150 Beltway SE
Caledonia, MI 49316
Tel.: (800) 968–9501
Fax: 269–818–1680
Technical Services: 1–877–384–5464
techsvcs@vikingcorp.com

Importer EU:

Viking S.A.
21, Z.I. Haneboesch
L–4562 Differdange / Niederkorn
Tel.: +352 58 37 37 – 1
Fax: +352 58 37 36
vikinglux@viking-emea.com

Asia Pacific (APAC) Main Office:

The Viking Corporation (Far East) Pte. Ltd.
69 Tuas View Square
Westlink Techpark, Singapore 637621
Tel: (+65) 6 278 4061
Fax: (+65) 6 278 4609
vikingAPAC@vikingcorp.com

9. CARE AND HANDLING

9.1 Warranty

For warranty details, refer to Viking's current list price schedule at www.vikinggroupinc.com, or contact Viking Corp directly.