



TECHNICAL DATA

PREACTION FOAM/WATER SYSTEM SUPPLIED BY FOAM A PUMP

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058

Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com

1. DESCRIPTION

A Preaction Foam/Water System Supplied by a Foam Pump is a standard preaction system capable of discharging foam/water solution automatically through any discharge device supplied from the preaction system piping. A preaction foam/water system with a hydraulically actuated Halar® coated concentrate control valve consists of the following: a Viking deluge valve complete with standard deluge trim, riser check valve, supervisory air supply, detection and releasing devices on the water supply line, an In-line Balanced Proportioner Assembly (proportioning device), which includes a concentrate controller, listed orifice plate, spool balancing valve and swing check valve, hydraulically actuated Halar® coated concentrate control valve on foam concentrate line, a foam concentrate atmospheric tank and trim and foam concentrate agent.

2. LISTINGS AND APPROVALS

No formal approval as a system. Main component approvals listed below.

- Deluge Valve and Trim
UL Listed - Guide VLFT
FM - Automatic Water Control Valves
- EZR Swing Check Valve and Trim
UL Listed - Guide HMER
FM - Single Check Valves
- Concentrate Controller (Proportioner)
UL Listed - Guide GFGV
FM Approved - Low Expansion Foam Systems
- Halar® Coated Concentrate Control Valve (CCV)
UL Listed - Guide VLFT
FM Approved - Automatic Water Control Valve as standard deluge valve. No formal approval available for coating.
- Foam Concentrate
UL Listed - Guide GFGV
FM Approved - Low Expansion Foam Systems

3. TECHNICAL DATA

Specifications:

Refer to individual component technical data page.

Material Standards:

Refer to individual component technical data page.

Ordering Information:

Refer to Tables 1 through 4.

Viking Technical Data may be found on
The Viking Corporation's Web site at
<http://www.vikinggroupinc.com>.
The Web site may include a more recent
edition of this Technical Data Page.

4. INSTALLATION

A. Discharge Devices

- Standard Spray Sprinklers
- Hose reels and hand lines
- Listed discharge devices are tested with specific concentrates and may have different listed densities than what is listed in various NFPA standards. AR-AFFF foam concentrates are listed with specific discharge devices and the fuels they are to protect.

B. General Instructions and Warnings

1. Refer to Warnings and General Notes on pages 2a-d in the "Foam Design" section of the Viking foam data book.
2. Refer to specific technical data sheets, acceptable installation standards, codes and Authority Having Jurisdiction for additional installation, operation, and maintenance instructions.
3. Inspections – It is imperative that the system is inspected and tested on a regular basis. See Section 6 - Inspections, Tests, and Maintenance.

Warning – Any system maintenance or testing that involves placing a control valve or detection system out of service may eliminate the fire protection of that system. Prior to proceeding, notify all Authorities Having Jurisdiction. Consideration should be given to employment of a fire patrol in the effected area.

4. The valve, trim ,and assembly must be installed in an area not subject to freezing temperatures or physical damage.



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C. Design and Installation

Warning: Locate all portions of the foam/water system subject to freezing in a heated area.

1. Refer to the Special Notes section on page 41d and Warnings and General Notes on pages 2a-d in the "Foam Design" section of the Viking foam data book.
2. Install the deluge valve and trim (A) in accordance with *Viking Engineering and Design Data* book. The preaction system will be limited to systems that operate as wet pipe systems. The choice for preaction systems that operate as wet pipe systems would be limited to single interlocked preaction systems.
3. Install the proportioning device, ILBP assembly (B), in the riser at least 5 pipe diameters past the riser check valve (2). (The ILBP assembly must be installed 5 pipe diameters of straight piping past a valve or change of direction. The same 5 pipe diameters of straight pipe is required on the discharge side of the ILBP as well to ensure proper proportioning)
4. Install foam solution test valve (8) and system isolation valve (9). These valves are required to facilitate annual foam proportioning tests. The system isolation valve (9) is in the normally open position when the system is in operation. The solution test valve (8) is in the normally closed position when the system is in operation. When the system is to be tested annually for proportioning, the system isolation valve (9) is closed to eliminate foam water solution from entering the system piping. The solution test valve (8) is opened once a flow rate is established in the riser. The solution test valve is normally sized the same size as the riser piping to accept the design flow of the system. The discharge of the solution test valve is normally piped to a test header with 2 1/2" angle valves to aid in controlling the discharge of affluent.
5. Install the hydraulically actuated Halar[®] coated concentrate control valve (C) and associated trim as indicated on trim charts or technical data pages.
6. A concentrate shut-off valve (5) located upstream of the Halar[®] coated concentrate control valve (C) is required to isolate the Halar[®] coated concentrate control valve when setting up the system or when repairs are to be made to the foam/preaction system.
7. Install the foam pump skid assembly and atmospheric storage tank in accordance with manufacturer's instructions.
 - a. Install the foam pump skid and foam atmospheric storage tank. Install the concentrate piping from the discharge of the foam pump skid to the concentrate shut-off valve (5). Locate the concentrate shut-off valve as close as practical to the ILBP assembly. Note: Allow enough room around the foam pump and atmospheric storage tank for service.
 - b. Allow access to atmospheric storage tank for filling from barrels of foam concentrate.
 - c. All valves and devices should be located for easy access for operation and maintenance.

D. Placing System in Service

1. Verify that the water supply control valve (1) is closed, then place preaction system (C) in service as follows (see instructions on Viking Technical Data Sheet). Open System isolation valve (9) if closed. Close solution test valve (8) if open.
2. Set preaction release system according to installation instructions for type of preaction system used.
3. Prime both the Viking Deluge valve and Halar[®] coated concentrate control valve (A & C) by opening the priming valve on the deluge valve trim. Bleed off any air pressure trapped in the priming line (3) to the Viking Halar[®] coated concentrate control valve (C) by opening the 3-way pressure gauge valve (7).
4. Ensure that all outlets on sprinkler system piping are closed. Place supervisory air pressure on system piping.
5. Open the water supply control valve (1) after the deluge valve has been primed. There should not be any water flowing from trim outlets. If water is discharging from trim outlets, refer to Viking technical data pages for trouble shooting and proper installation of trim piping.
6. Place foam pumping system in service. The concentrate shut-off valve (5) will be in the closed position until foam pump system is placed in service. Foam concentrate pressure will be indicated on the foam concentrate pressure gauge (4) located upstream of the of the concentrate shut-off valve (5). Once pressure is indicated on concentrate pressure gauge (4), slowly open foam concentrate shut-off valve.
7. Once foam concentrate shut-off valve (5) is opened, verify that foam concentrate is not passing by the Halar[®] coated concentrate control valve by opening the 1/2" foam concentrate auxiliary drain valve (6). If foam concentrate appears, close concentrate shut-off valve (5) immediately. If foam concentrate is passing by the Halar[®] coated concentrate control valve (C), the valve is not seating and is most likely fouled. Debris must be removed from seat of Halar[®] coated concentrate control valve (C).

E. Removing the System from Service

1. For system and riser piping maintenance and service.
 - a. Close water supply control valve (1).
 - b. Close concentrate shut-off valve (5).
 - c. Close air supply valve to system piping.



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- d. Open drain valve on system riser to remove air pressure from riser piping.
- e. Open all drain valves on deluge system.
- f. Leave system isolation valve (9) open.
- g. Refer to instructions for removing deluge valve (A) from service in the *Viking Engineering and Design Data* book.
- h. Perform maintenance and service on system and riser piping.
- i. If maintenance is required to be performed on concentrate piping, remove foam pump and foam jockey pump if applicable from service. Open concentrate drain valve (10) to relieve pressure from concentrate supply piping.

NOTE: If repairs or modifications are required on the foam concentrate supply piping, the deluge may be kept in service for protection, while repairs to the foam system concentrate piping are performed.

5. OPERATION

Actuation of the release system of the pre-action system relieves the priming pressure of the deluge valve and the priming pressure present in the Halar[®] coated concentrate control valve valve. Once the deluge valve opens, water passes through the concentrate controller of the ILBP (In-Line Balanced Proportioner). The foam pump will provide foam concentrate at a higher pressure than the water pressure passing through the riser. The pressures will be balanced by the spool balancing valve that is integral to the ILBP. The foam pump is normally started on a pressure loss in the concentrate piping line. The foam pump may also start through the water pressure switch on the deluge valve trim. If more than fifty feet of overhead concentrate piping is present on the discharge side of the foam pump or if any of the piping is installed underground, a means of checking the tightness of the piping is required per NFPA. This necessitates a foam jockey pump to maintain the pressure on the concentrate line.

Once water passes through the ILBP, foam concentrate is discharged into the ILBP through an orifice listed and approved for the foam concentrate to be utilized. The foam and water mix and create a foam/water solution. A foam blanket is created once it has discharged through the discharge device(s). A foam blanket is produced through one of two actions, agitation as what would happen when discharged through a standard sprinkler head, or aeration as what would happen when discharged through a foam chamber or foam maker. The foam blanket that is created by the discharge device is part of the listing or approval obtained with the foam concentrate testing.

6. INSPECTIONS, TESTS AND MAINTENANCE

NOTICE: The owner is responsible for maintaining the fire protection system and devices in proper operating condition. For minimum maintenance and inspection requirements, refer to recognized standards such as those produced by NFPA, LPC, and VdS, which describe care and maintenance of sprinkler systems. In addition, the Authority Having Jurisdiction may have additional maintenance, testing, and inspection requirements that must be followed.

WARNING: Any system maintenance or testing that involves placing a control valve or detection system out of service may eliminate the fire protection of that system. Prior to proceeding, notify all Authorities Having Jurisdiction. Consideration should be given to employment of a fire patrol in the affected area.

Inspections: It is imperative that the system is inspected and tested on a regular basis. Refer to NFPA 25 for the standard requirements. The frequency of the inspections may vary due to contaminated or corrosive water supplies and corrosive atmospheres. In addition, the alarm devices or other connected equipment may require more frequent inspections. Refer to the technical data, system description, applicable codes, and Authority Having Jurisdiction for minimum requirements. Prior to testing the equipment, notify appropriate personnel.

7. AVAILABILITY

The Preaction Foam/Water System Supplied by a Foam Pump is available through a network of domestic and international distributors. See the Viking Corp. web site for closest distributor or contact The Viking Corporation.

8. GUARANTEE

For details of warranty, refer to Viking's current list price schedule or contact Viking directly.

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SPECIAL NOTES

- A. Provide a minimum of 5 pipe diameters of straight pipe on the inlet and outlet of the in-line balanced pressure proportioner (ILBP) (B) to minimize the turbulence inside the ILBP. WARNING! If the outlet to the foam solution test valve (5) is located closer than 5 pipe diameters, there may be turbulence at high flow rates.
- B. The release of the Halar[®] coated concentrate control valve (C) and the flow control valve (A) must NOT be combined. The concentrate control valve must be primed and released separately from the pressure regulating deluge valve to ensure open position of the concentrate control valve clapper.
- C. Figures 1-3 are a general schematic of the required piping arrangement. Refer to the appropriate technical data page for specific information regarding the valve, tank, and related trim and devices.
- D. The technical information, statements and recommendations contained in this manual are based on information and tests which, to the best of our knowledge, we believe to be dependable. It represents general guidelines only, and the accuracy or completeness thereof are not guaranteed since conditions of handling and usage are outside our control. The purchaser should determine the suitability of the product for its intended use and assumes all risks and liability whatsoever in connection therewith.
- E. A strainer is not required in the foam concentrate discharge piping of bladder tank systems per NFPA Standards.
- F. The foam concentrate control deluge valve (C) does not require any trim, except for a ½" priming line, ½" auxiliary drain valve (29), and gauge with 3-way valve. Plug all remaining valve trim outlets. Refer to the "Valves" section of this data book to find the correct trim kit part number for the corresponding size of foam Halar[®] coated concentrate control valve (C) required.

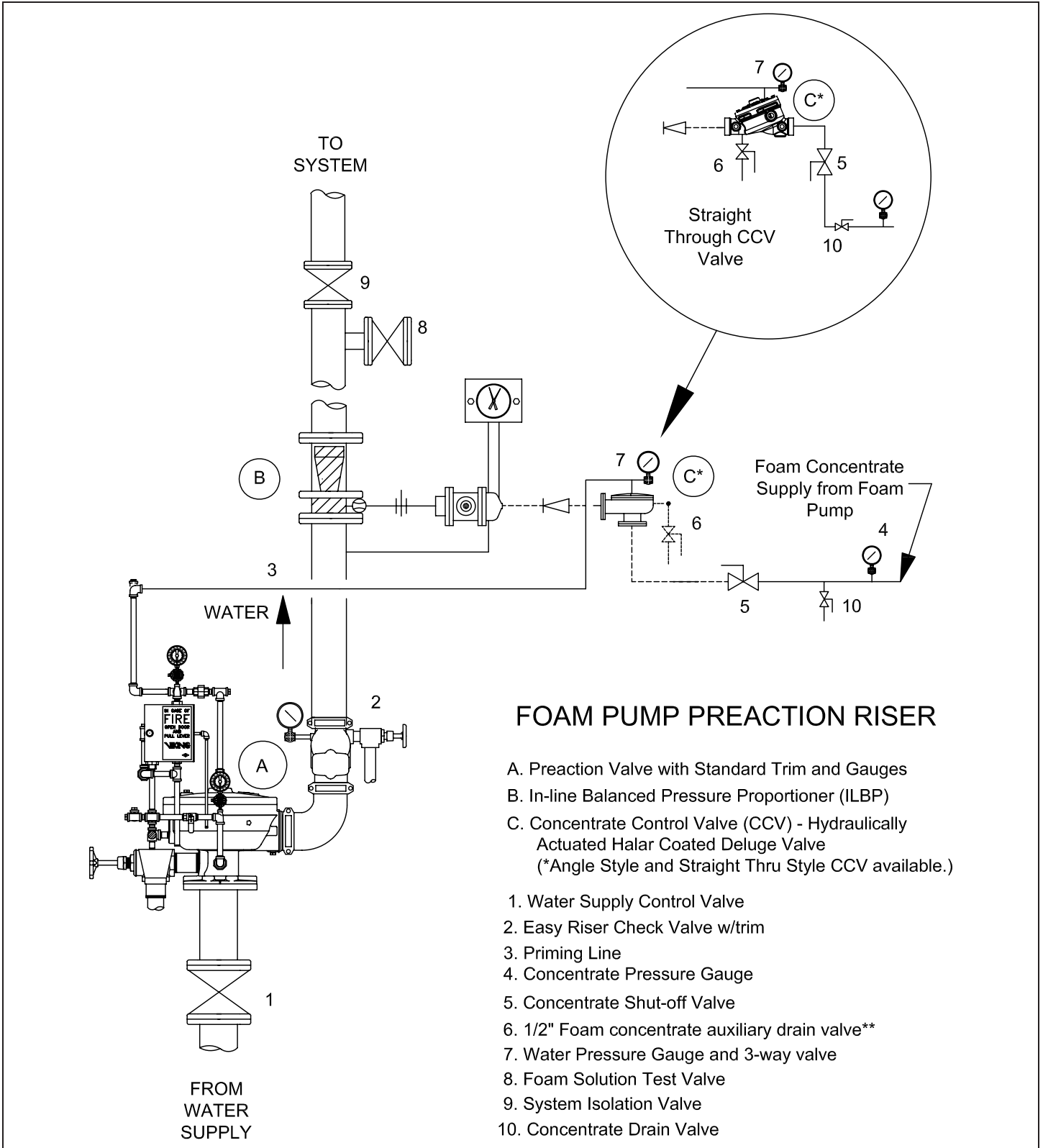


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FOAM PUMP PREACTION RISER

- A. Preaction Valve with Standard Trim and Gauges
- B. In-line Balanced Pressure Proportioner (ILBP)
- C. Concentrate Control Valve (CCV) - Hydraulically Actuated Halar Coated Deluge Valve (*Angle Style and Straight Thru Style CCV available.)

1. Water Supply Control Valve
2. Easy Riser Check Valve w/trim
3. Priming Line
4. Concentrate Pressure Gauge
5. Concentrate Shut-off Valve
6. 1/2" Foam concentrate auxiliary drain valve**
7. Water Pressure Gauge and 3-way valve
8. Foam Solution Test Valve
9. System Isolation Valve
10. Concentrate Drain Valve

Figure 1

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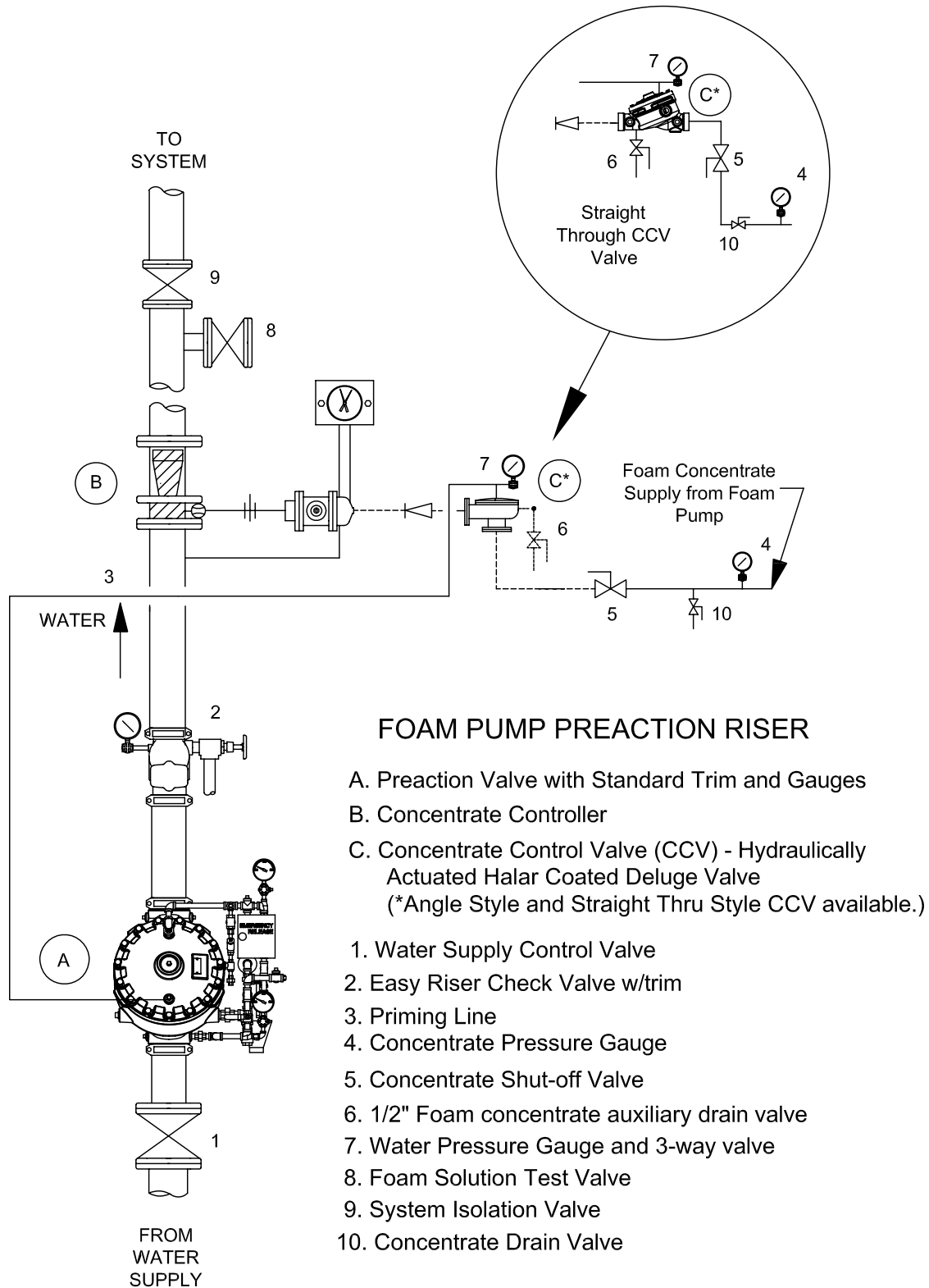


Figure 2

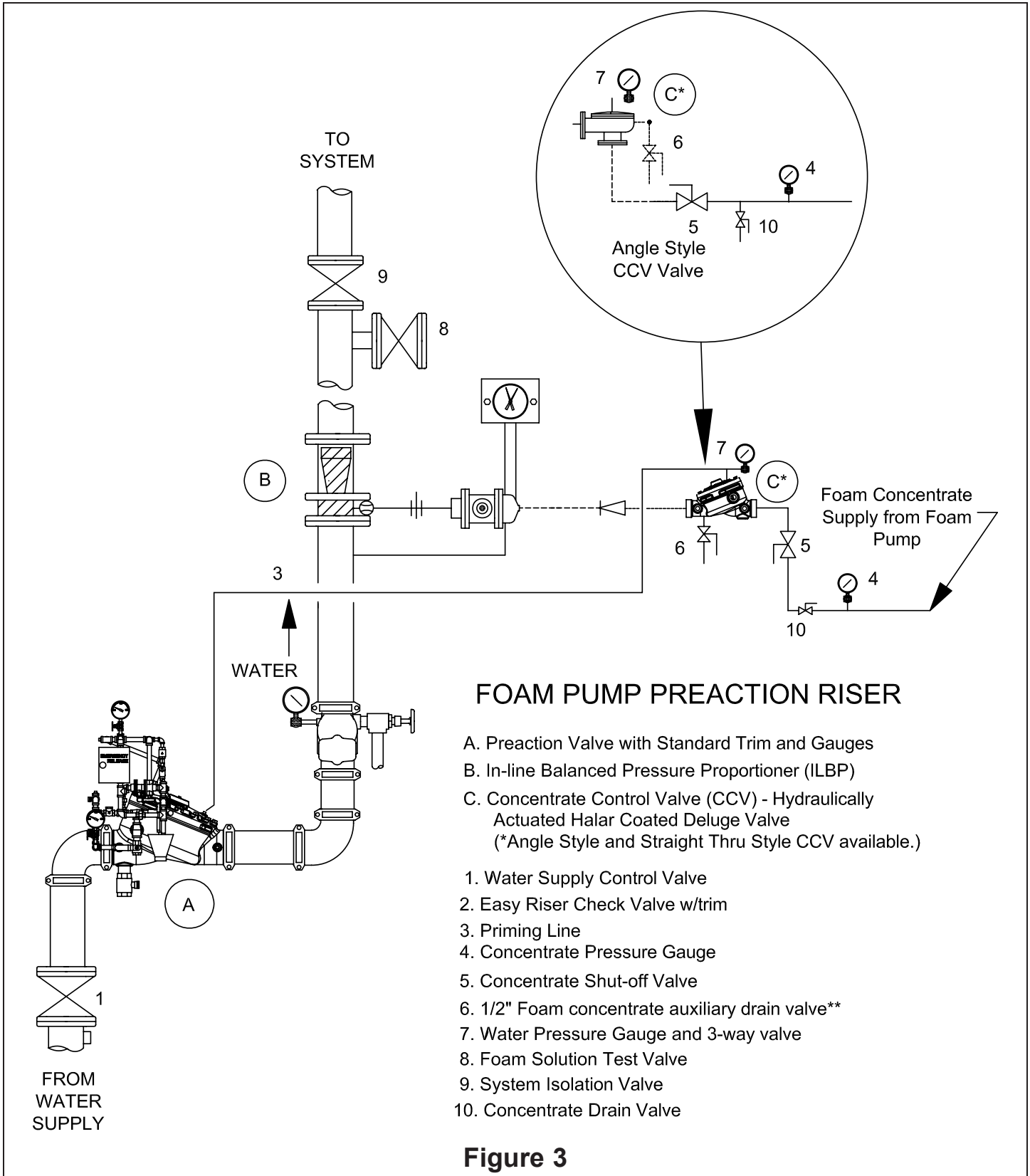


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For complete Preaction Foam/Water System Supplied by Foam Pump, select Deluge Valve and Trim, Release Trim, Foam Concentrate Control Valve and Trim, Easy Riser® Swing Check Valve and Trim, Foam Concentrate, ILBP, and Accessories.

DESCRIPTION	NOMINAL SIZE	PART NUMBER	DATA PAGE	
Deluge Valves - Angle Style				
Threaded	Model & Pipe O.D.	Painted Red		
	Model E-3 48 mm	1½" / DN40	09889 209 a-h	
	Model E-1 60 mm	2" / DN50	05852C 210 a-h	
	Model & Pipe O.D.	Halar® Coated		
	Model E-4 48 mm	1½" / DN40	09890Q/B 212 a-j	
	Model E-2 60 mm	2" / DN50	08361Q/B 213 a-j	
Flange/Flange	Flange Drilling	Model E-1	Painted Red	
	ANSI	3"	05912C	
	ANSI	4"	05909C	
	ANSI	6"	05906C	
	ANSI/Japan	6"	07136	
	PN10/16	DN80	08626	
	PN10/16	DN100	08629	
	PN10/16	DN150	08631	
	Flange Drilling	Model E-2	Halar® Coated	
	ANSI	3"	08362Q/B	
	ANSI	4"	08363Q/B	
	ANSI	6"	08364Q/B	
	PN10/16	DN80	08862Q/B	
	PN10/16	DN100	08863Q/B	
	PN10/16	DN150	08864Q/B	
	Flange/Groove	Flange Drilling / Pipe O.D.	Model E-1	Painted Red
		ANSI / 89 mm	3"	05835C
		ANSI / 114 mm	4"	05839C
ANSI / 168 mm		6"	05456C	
PN10/16 / 89 mm		DN80	09539	
PN10/16 / 114 mm		DN100	09540	
PN10/16 / 168 mm		DN150	05456C	
Flange Drilling / Pipe O.D.		Model E-2	Halar® Coated	
ANSI / 89 mm		3"	11064Q/B	
ANSI / 114 mm		4"	11065Q/B	
ANSI / 168 mm		6"	11001Q/B	
PN10/16 / 168 mm		DN150	11001Q/B	

DESCRIPTION	NOMINAL SIZE	PART NUMBER	DATA PAGE	
Deluge Valves - Straight Through				
Flange/Flange	Flange Drilling	Model F-1	Painted Red	
	ANSI	3"	12014	
	ANSI	4"	11953	
	ANSI	6"	11955	
	ANSI	8"	11991	
	ANSI/Japan	6"	11964	
	PN10/16	DN80	12026	
	PN10/16	DN100	11965	
	PN10/16	DN150	11956	
	PN10	DN200	11995	
	PN16	DN200	11999	
	Flange Drilling	Model F-2	Halar® Coated	
	ANSI	3"	12015Q/B	
	ANSI	4"	11960Q/B	
	ANSI	6"	11962Q/B	
	ANSI	8"	11992Q/B	
	PN10/16	DN80	12027Q/B	
	PN10/16	DN100	11966Q/B	
PN10/16	DN150	11963Q/B		
PN10	DN200	11996Q/B		
PN16	DN200	12000Q/B		
Flange/Groove	Flange Drilling / Pipe O.D.	Model F-1	Painted Red	
	ANSI / 89 mm	3"	12018	
	ANSI / 114 mm	4"	11952	
	ANSI / 168 mm	6"	11954	
	PN10/16 / 89 mm	DN80	12030	
	PN10/16 / 114 mm	DN100	11958	
	PN10/16 / 165 mm	DN150	12640	
	PN10/16 / 168 mm	DN150	11954	
	Flange Drilling / Pipe O.D.	Model F-2	Halar® Coated	
	ANSI / 89 mm	3"	12019Q/B	
	ANSI / 114 mm	4"	11959Q/B	
	ANSI / 168 mm	6"	11961Q/B	
	PN10/16 / 89 mm	DN80	12644Q/B	
	PN10/16 / 114 mm	DN100	12645Q/B	
	PN10/16 / 165 mm	DN150	12641Q/B	
	PN10/16 / 168 mm	DN150	11961Q/B	
	Groove/Groove	Pipe O.D.	Model F-1	Painted Red
		48 mm	1½" / DN40	12125
60 mm		2" / DN50	12057	
73 mm		2½" / DN65	12403	
76 mm		DN80	12729	
89 mm		3" / DN80	12022	
114 mm		4" / DN100	11513	
165 mm		DN150	11910	
168 mm		6" / DN150	11524	
219 mm		8" / DN200	11018	
Pipe O.D.		Model F-2	Halar® Coated	
48 mm		1½" / DN40	12127Q/B	
60 mm		2" / DN50	12058Q/B	
73 mm		2½" / DN65	12404Q/B	
76 mm		DN80	12730Q/B	
89 mm		3" / DN80	12023Q/B	
114 mm		4" / DN100	11514Q/B	
165 mm		DN150	11911Q/B	
168 mm	6" / DN150	11525Q/B		
219 mm	8" / DN200	11118Q/B		

DESCRIPTION	NOMINAL SIZE	PART NUMBER	DATA PAGE	
Deluge Valves - Straight Through				
Threaded	Pipe O.D.	Model F-1	Painted Red	
	NPT 48 mm	1½"	12126	
	NPT 60 mm	2"	12059	
	NPT 65 mm	2½"	12401	
	BSP 48 mm	DN40	12682	
	BSP 60 mm	DN50	12686	
	Pipe O.D.	Model F-2	Halar® Coated	
	NPT 65 mm	2½"	12402Q/B	

Table 1



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DESCRIPTION		NOMINAL SIZE	PART NUMBER		DATA PAGE
Deluge Valve Trim					
Use with Angle Style Valves			Galvanized	Brass	
		1½" / DN40	14629-1	14629-2	225 a-c
		2" / DN50	14630-1	14630-2	226 a-c
		3" / DN80	14631-1	14631-2	227 a-c
		4" / DN100	14632-1	14632-2	
		6" / DN150	14633-1	14633-2	
Use with Straight Through Valves	Horizontal	1½" / DN40	14635-1	14635-2	235 a-c
		2" / DN50			
		2½" / DN65	14637-1	14637-2	239 e-g
		3" / DN80			
		4" / DN100			
		6" / DN150	14640-1	14640-2	241 a-c
	8" / DN200	14643-1	14643-2	242 a-c	
	Vertical	1½" / DN40	14634-1	14634-2	235 e-g
		2" / DN50			
		2½" / DN65	14636-1	14636-2	239 e-g
		3" / DN80			
		4" / DN100			
		6" / DN150	14641-1	14641-2	241 a-c
		8" / DN200	14643-1	14643-2	242 e-g

DESCRIPTION		PART NUMBER		DATA PAGE
RELEASE TRIM PACKAGES				
Use with Angle or Straight Through Valves		Galvanized	Brass	
	Pneumatic Release	10809	10811	265 b
	Electric Release	10830	10832	265 a
	Electric / Pneumatic Release	12661-1	12661-2	266 a
	Pneumatic / Pneumatic Release	12662-1	12662-2	266 b

DESCRIPTION		NOMINAL SIZE	PART NUMBER		DATA PAGE
Trimpac®					
Includes Conventional Trim, Release Trim, and Flexible Hose Kit	Single Interlock				
			Galvanized	Brass	
	Electric Release		13792B-3	13792B-3B	248 a-s
	Pneumatic Release		13793B-4	13793B-4B	249 a-i
	Double Interlock				
			Galvanized	Brass	
Electric/Pneumatic Release		13794B-5	19794B-5B	250 a-s	
Electric/Pneumatic Release		13796B-6	13796B-6B	251 a-s	
Drain Package					
Use with TrimPac (above)	1½" / DN40		11894-1		See Trimpac Data Pages
	2" / DN50		11894-2		
	2½" / DN65		11894-3		
	3" / DN80		11894-3		
	4" / DN100		11894-4		
	6" / DN150		11894-4		
8" / DN200		11894-4			

DESCRIPTION		NOMINAL SIZE	PART NUMBER	DATA PAGE	
FOAM CONCENTRATE CONTROL VALVE HALAR® COATED					
Angle Style					
Threaded NPT	Model & Pipe O.D.			61a-f	
	Model E-4 48 mm	1½" / DN40	09890Q/B		
	Model E-2 60 mm	2" / DN50	08361Q/B		
Straight Through					
Threaded NPT	Pipe O.D.	Model F-2			
	NPT 65 mm	2½"	12402Q/B		
Groove/Groove	Pipe O.D.	Model F-2			
	48 mm	1½" / DN40	12127Q/B		
	60 mm	2" / DN50	12058Q/B		
	73 mm	2½" / DN65	12404Q/B		

DESCRIPTION		NOMINAL SIZE	PART NUMBER	DATA PAGE
FOAM CONCENTRATE CONTROL VALVE TRIM				
Use with Angle Style Valve			Galvanized	
	1½" / DN40		08098	
	2" / DN50		08099	
			Brass	
	1½" / DN40		09694	
Use with Straight Through Valves	2" / DN50		09695	
			Galvanized	
	1½" / DN40		12848-1	
	2" / DN50		12848-1	
	2½" / DN65		12929-1	
			Brass	
	1½" / DN40		12848-2	
2" / DN50		12848-2		
2½" / DN65		12929-2		

Table 2



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DESCRIPTION	NOMINAL SIZE	PART NUMBER	DATA PAGE
Easy Riser® Swing Check Valve			
Flange/ Flange	Flange Drilling	Model F-1	
	ANSI	3"	08505
	ANSI	4"	08508
	ANSI	6"	08511
	ANSI/Japan	DN100	09039
	ANSI/Japan	DN150	09385
	ANSI/Japan	DN200	14023
	PN10/16	DN80	08796
	PN10/16	DN100	08797
	PN10/16	DN150	08835
	PN10	DN200	08836
	PN16	DN200	12355
Flange/ Groove	Flange Drilling / Pipe O.D.	Model F-1	
	ANSI / 89 mm	3"	08506
	ANSI / 114 mm	4"	08509
	ANSI / 168 mm	6"	08512
	ANSI / 219 mm	8"	08515
	PN10/16 / 89 mm	DN80	12648
	PN10/16 / 114 mm	DN100	12649
	PN10/16 / 165 mm	DN150	12652
	PN10/16 / 168 mm	DN150	08512
	PN10 / 219 mm	DN200	12651
	PN16 / 219 mm	DN200	12650
	Groove/ Groove	Pipe O.D.	Model E-1
73 mm		2½" / DN65	07929
76 mm		DN65	13516
Pipe O.D.		Model F-1	
89 mm		3" / DN80	08507
114 mm		4" / DN100	08510
165 mm		DN150	12356
168 mm		6" / DN150	08513
219 mm	8" / DN200	08516	

[815 a-g](#)

DESCRIPTION	NOMINAL SIZE	PART NUMBER	DATA PAGE
Easy Riser® Swing Check Trim			
		Galvanized	Brass
Model E-1	2½" / DN65	07236	07236-1
	3" / DN80	07236	07236-1
Model F-1	4" / DN100	07237	07237-1
	6" / DN150	07237	07237-1
	8" / DN200	07237	07237-1

[815 a-g](#)

Table 3



TECHNICAL DATA

PREACTION FOAM/WATER SYSTEM SUPPLIED BY FOAM A PUMP

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058

Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com

DESCRIPTION	NOMINAL SIZE	PART NUMBER	DATA PAGE
Foam Concentrate Swing Check Valve			
	1½" / DN40	99S-0150	-
	2" / DN50	99S-0200	-
	2½" / DN65	05497C	803 a-d
Foam Solution Test Valve			
Grooved Butterfly Valve	2½" / DN65	01G-0250	-
	3" / DN80	01G-0300	
	4" / DN100	01G-0400	
	6" / DN150	01G-0600	
	8" / DN200	01G-0800	
System Isolation Valve			
Grooved Butterfly Valve	2½" / DN65	01G-0250	-
	3" / DN80	01G-0300	
	4" / DN100	01G-0400	
	6" / DN150	01G-0600	
	8" / DN200	01G-0800	
Water Supply Control Valve			
OS & Y	2½" / DN65	8068A-0250	-
	3" / DN80	8068A-0300	
	4" / DN100	8068A-0400	
	6" / DN150	8068A-0600	
	8" / DN200	8068A-0800	
Foam Concentrate Shut-Off Valve			
Ball Valve	1½" / DN40	T595Y66-0150	-
	2" / DN50	T595Y66-0200	
ACCESSORIES FOR FOAM/WATER SPRINKLER SYSTEMS			
Model D-1 PORV	½" / DN15	13598	287 a-b
1/8" / 3 mm Restricted Orifice	½" / DN15	06555A	-
Soft Seat Check Valve	½" / DN15	03945A	-
Y Strainer	½" / DN15	01054A	-
Ball Valve	½" / DN15	10355	-
Concentrate Control Valve Priming Connection Pkg.			
Required to connect priming chamber		10985	-
Bladder Tank Water Supply Control Valve			
Ball Valve	1½" / DN40	WBV-0150	-
Ball Valve	2" / DN50	WBV-0200	
OS & Y	2½" / DN65	8068A-0250	
OS & Y	3" / DN80	8068A-0300	

FOAM CONCENTRATES AND ILBP ASSEMBLIES					
FOAM CONCENTRATE			ILBP ASSEMBLY		
DESCRIPTION	BASE PART NUMBER	FOAM CONCENTRATE DATA PAGE	NOMINAL SIZE	VIKING PART NUMBER	ILBP DATA PAGE
1% AFFF C103	F14969	100 a-b	2½"	F15006/A	171 a-d
			3"	F15012/A	
			4"	F15018/A	
			6"	F15025/A	
3% AFFF C303	F14970	101 a-b	8"	F15032/A	
			2½"	F15006/B	
			3"	F15012/B	
			4"	F15018/B	
3% AFFF C303	F14970	101 a-b	6"	F15025/B	
			8"	F15032/B	
			2½"	F15006/C	
			3"	F15012/C	
3% AFFF MS C301 MS	F14971	102 a-b	4"	F15018/C	
			6"	F15025/C	
			8"	F15032/C	
			2½"	F15006/D	
3% - 6% AFFF @ 3% C363	F14973	103 a-b	3"	F15012/D	
			4"	F15018/D	
			6"	F15025/D	
			8"	F15032/D	
3% - 6% AFFF @ 3% C363	F14973	103 a-b	2½"	F15006/E	
			3"	F15012/E	
			4"	F15018/E	
			6"	F15025/E	
3% AR-AFFF CUG	F14972	104 a-b	8"	F15032/E	
			2½"	F15006/J	
			3"	F15012/J	
			4"	F15018/J	
2% Hi Ex C2	F14974	105 a-b	6"	F15025/J	
			8"	F15032/J	
			2½"	F15006/H	
			3"	F15012/H	
2% Hi Ex C2	F14974	105 a-b	4"	F15018/H	
			6"	F15025/H	
			8"	F15032/H	

Table 4

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