

# Low Expansion Foam System Using HD AFFF 3F-C6 Foam Concentrate

## Product Description

### Foam Concentrates

Used as a component of foam systems. Concentrates are only Approved for use with the specific proportioning, bladder tank, foam water sprinklers, and discharge devices listed below.

Use of a concentrate with other devices or outside the listed ranges may result in solutions too lean or rich or may produce foam unable to provide the required extinguishing or sealing performance.

Concentrate below is compatible with both fresh and sea water.

Product	Concentrate Type	Concentrate % in Water	Configuration	Approved Fuel Hazards
HD AFFF 3F-C6 3%	AFFF C6	3%	For use with proportioners specifically tested with this concentrate, pre-mixed solution, or other proportioning equipment Approved for a range of viscosities and which is determined to be compatible with the concentrate specified in this listing. For use with discharge devices evaluated with the specific concentrate only	Hydrocarbon

### Bladder Tanks

For use with the concentrate specified in this listing within the specifications identified in the table below.

Product	Type of Equipment	Concentrate % in Water	Configuration	Approved Fuel Hazards	CCV Part No	CCV Valve Size		CCV Min Actuator Pressure		CCV Max Operating Pressure		Type	Max Operating Pressure		Sizes	
						in	(mm)	psi	(bar)	psi	(bar)		psi	(bar)	gal	(L)
Vertical Bladder Tank	Bladder Tank	3%	Vertical	Hydrocarbon	Model CV	1, 1 1/2, 2	(25, 40, 50)	30	(2.1)	175	(12)	ASME Section VIII Division 1	175	(12)	36- 2000	(136- 7571)
Horizontal Bladder Tank	Bladder Tank	3%	Horizontal	Hydrocarbon	Model CV	1, 1 1/2, 2	(25, 40, 50)	30	(2.1)	175	(12)	ASME Section VIII Division 1	175	(12)	36- 4000	(136- 15142)

### Proportioners

For use with the concentrate specified in this listing within the specifications identified in the table below.

Product	Type of Equipment	Concentrate % in Water	Configuration	Approved Fuel Hazards	Approved Flow Range		Approved Pressure Range		Connection	Construction Material	Sizes	
					gpm	(Lpm)	psi	(bar)			in	(mm)
Model 3A BTP WS Ratio Controllers	Ratio Controller	3%	For use with 3A bladder tanks and discharge devices as appear in the FM Approval Guide only.	Hydrocarbon	27-420	(102-1590)	30-175	(2-12)	Wafer (3A BTP WS)	Bronze (B) or Stainless Steel (S)	2 1/2	(65)
Model 3A BTP WS Ratio Controllers	Ratio Controller	3%	For use with 3A bladder tanks and discharge devices as appear in the FM Approval Guide only.	Hydrocarbon	77-790	(290-2990)	30-175	(2-12)	Wafer (3A BTP WS)	Bronze (B) or Stainless Steel (S)	3	(80)
Model 3A BTP WS Ratio Controllers	Ratio Controller	3%	For use with 3A bladder tanks and discharge devices as appear in the FM Approval Guide only.	Hydrocarbon	159-1598	(600-6050)	30-175	(2-12)	Wafer (3A BTP WS)	Bronze (B) or Stainless Steel (S)	4	(100)
Model 3A BTP WS Ratio Controllers	Ratio Controller	3%	For use with 3A bladder tanks and discharge devices as appear in the FM Approval Guide only.	Hydrocarbon	317-3027	(1200-11460)	30-175	(2-12)	Wafer (3A BTP WS)	Bronze (B) or Stainless Steel (S)	6	(150)

**Note:** Maximum static pressure is 200 psi (13.8 bar)

### Topside Discharge Devices

For use with the concentrate specified in this listing within the specifications identified in the table below.

Product	Type of Equipment	Concentrate % in Water	Configuration	Approved Fuel Hazards	Approved Flow Range		Approved Pressure Range		Connection	Construction Material	Sizes	
					gpm	(Lpm)	psi	(bar)			in	(mm)
Model 3A FCC-65 and 3A FCS-65 Foam Chambers	Foam Chamber	3%	For use with 3A bladder tanks and discharge devices as appear in the FM Approval Guide only.	Hydrocarbon	41-140	(155-531)	40-100	(2.8-7)	Flanged	Carbon Steel or Stainless Steel (S)	2 1/2	(65)
Model 3A FCC-80 and 3A FCS-80 Foam Chambers	Foam Chamber	3%	For use with 3A bladder tanks and discharge devices as appear in the FM Approval Guide only.	Hydrocarbon	81-300	(308-1135)	40-100	(2.8-7)	Flanged	Carbon Steel or Stainless Steel (S)	3	(80)

Product	Type of Equipment	Concentrate % in Water	Configuration	Approved Fuel Hazards	Approved Flow Range		Approved Pressure Range		Connection	Construction Material	Sizes	
					gpm	(Lpm)	psi	(bar)			in	(mm)
Model 3A FCC-100 and 3A FCS-100 Foam Chambers	Foam Chamber	3%	For use with 3A bladder tanks and discharge devices as appear in the FM Approval Guide only.	Hydrocarbon	164-671	(620-2540)	40-100	(2.8-7)	Flanged	Carbon Steel or Stainless Steel (S)	4	(100)
Model 3A FCC-150 and 3A FCS-150 Foam Chambers	Foam Chamber	3%	For use with 3A bladder tanks and discharge devices as appear in the FM Approval Guide only.	Hydrocarbon	391-872	(1480-3300)	40-100	(2.8-7)	Flanged	Carbon Steel or Stainless Steel (S)	6	(150)
Model 3A FMC-50 and 3A FMS-50 Foam Maker	Foam Maker	3%	For use with 3A bladder tanks and discharge devices as appear in the FM Approval Guide only.	Hydrocarbon	25-92	(95-350)	40-100	(2.8-7)	Flanged	Carbon Steel or Stainless Steel (S)	2	(50)
Model 3A FMC-65 and 3A FMS-65 Foam Maker	Foam Maker	3%	For use with 3A bladder tanks and discharge devices as appear in the FM Approval Guide only.	Hydrocarbon	92-147	(349-557)	70-100	(4.9-7)	Flanged	Carbon Steel or Stainless Steel (S)	2 1/2	(65)

Foam Chambers are fitted with glass or graphite vapor seals designed to rupture upon system discharge. Maximum permissible back pressure is 1 psi.

## Details

<b>Category</b>	Foam Extinguishing Systems, Low Expansion
<b>Class of Work</b>	5135 - Low Expansion Foam Systems
<b>Approval Standard</b>	FM 5130 - Foam Extinguishing Systems
<b>Certification Type</b>	FM Approved
<b>Concentrate Type</b>	AFFF C6
<b>Listing Country</b>	Turkiye

## Company

### 3A Köpüklü Yangın Korunum

Sistemleri San. ve Tic. Ltd. Sti, Kultur Mahallesi, Efil Sokak No:2/414, Tatvan, Bitlis 13200, Türkiye