FireDos Foam Concentrate Proportioners

For use with FM Approved concentrates and their FM Approved discharge devices. Use of an FM Approved proportioning system with concentrates and discharge devices that are not FM Approved is outside the scope of the proportioning system's Approval.

Positive displacement, water motor-powered, self contained, preassembled proportioning systems. Available for horizontal and vertical mounting. Provide preassembled flushing and test piping.

Suitable for use with foam concentrates with viscosities ranging from 1 to 500 centipoise for Newtonian fluids and up to 3500 centipoise for non-Newtonian fluids at 70°F (21°C).

Available Volumetric Flow Rate Add-On Packages as described in BEAN-043 version 6 and later have been evaluated by FM Approvals and are considered FM Approved configurations for all proportioning systems listed below. The VOMK-004 water flow measurement add-on package is only recommended for use at or above 25% of the maximum rated volumetric flow rate of extinguishing water. The EGSA extinguishing agent flow meter packages provide acceptable measurement of extinguishing agent throughout the entire flow range as specified by the manufacturer.

An additional control switch kit for electric monitoring of 3-way ball valves is available for constant monitoring of versions with a flow measurement return line.

The cylinder cut off method as described in BEAN-043 version 6 and later Section 7.3.2; where the proportioning rate can be factory adjusted by cutting off one or more individual cylinders in the plunger pump to achieve a 2 percent proportioning rate is FM Approved. Minimum total solution flow rates associated with the 3 percent assemblies as described below shall be used for any 2 percent configuration. Maximum total solution flow rates as described below shaal be used for any 2 percent configuration.

For use in temperatures ranging from 40° to 120°F (5° to 50°C), Requires atmospheric concentrate storage tank, Proportioning ratios of 1 and 3 percent.

Systems shall be configured, installed, operated and maintained per FireDos Instruction Manuals as follows:

The English version of the manual has been reviewed and is part of the FM Approval. Versions of the manual produced in other languages are strictly for the convenience of the end user. Requirements in the English version shall take precedent over other language versions of the manual.

BEAN-043-06, 13 January 2012 (English)

BEAN-042-05, 13 January 2012 (German)

BEAN-062-05, 16 February 2012 (French)

BEAN-063-05, 21 February 2012 (Italian)

BEAN-064-05, 24 February 2012 (Lithuanian)

BEAN-065-05, 27 February 2012 (Dutch)

BEAN-066-05, 29 February 2012 (Polish)

BEAN-067-05, 03 March 2012 (Swedish)

BEAN-068-05, 05 March 2012 (Slovakian)

BEAN-069-05, 12 March 2012 (Spanish)

BEAN-070-05, 07 March 2012 (Czech)

BEAN-071-05, 14 March 2012 (Hungarian)

BEAN-073-05, 15 January 2012 (Estonian)

BEAN-074-05, 24 February 2012 (Latvian)

BEAN-075-05, 09 March 2012 (Portuguese)

BEAN-078-05, 21 February 2012 (Greek)

BEAN-079-05, 01 March 2012 (Romanian)

BEAN-117-05, 13 March 2012 (Turkish)

BEAN-120-05, 03 April 2012 (Russian)

BEAN-121-05, 16 January 2012 (Finnish)

Proportioner Model	*Minimum Flow Rate gal/min (L/min)*	*Maximum Flow Rate gal/min (L/min)*	*Nominal Water line Size (in.)*	*Proportioning Ratio percent*
FD500/3-PP-S	16 (61.5)	132 (500)	2	1
FD500/3-PP-S	24 (90)	132 (500)	2	3
FD1000/1-PP-S	40 (150)	264 (1000)	2-1/2	1
FD1000/3-PP-S	58 (220)	264 (1000)	2-1/2	3
FD1600/1-PP-S	53 (200)	423 (1600)	4	1
FD1600/3-PP-S	69 (260)	423 (1600)	4	3
FD2500/1-PP-S	79 (300)	660 (2500)	4	1
FD2500/3-PP-S	92 (350)	660 (2500)	4	3
FD4000/1-PP-S	58 (220)	1057 (4000)	6	1
FD4000/3-PP-S	106 (400)	1057 (4000)	6	3
FD6000/1-PP-S	132 (350)	1585 (6000)	8	1
FD6000/3-PP-S	92 (350)	1585 (6000)	8	3
FD8000/1-PP-S	132 (500)	2113 (8000)	10	1
FD8000/3-PP-S	106 (400)	2113 (8000)	10	3
FD10000/1-PP-S	106 (400)	2642 (10,000)	12	1
FD10000/3-PP-S	79 (300)	2642 (10,000)	12	3
FD15000/1-PP-S	211 (800)	3963 (15,000)	14	1
FD15000/3-PP-S	211 (800)	3963 (15,000)	14	3
FD20000/1-PP-S	132 (500)	5284 (20,000)	16	1
FD20000/3-PP-S	528 (2000)	5284 (20,000)	16	3

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Company Address:	Auf der Kaulbahn 6, DE-61200 Wölfersheim, Germany
Company Website:	http://www.firedos.de
New/Updated Product Listing:	No
Listing Country:	Germany
Certification Type:	FM Approved