

FM Approvals
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22 July 2009

Mr. Heinrich David
FireDos GmbH
Auf der Kaulbahn 6
DE-61200 Wolfersheim
Germany

Subject: Examination for Possible Approval of the Client's FireDos® Foam Concentrate Proportioning Pumps for Use with Low Expansion Foam Extinguishing Systems
Certificate of Compliance
FM Approvals Project 3029243

Dear Mr. David:

In response to your inquiry with regard to amending our Certificate of Compliance to include applications other than for low expansion foam fire extinguishing systems, please let me offer the following.

I am afraid that we cannot honor your request. FM Approvals considers foam extinguishing equipment for Approval as a part of systems, only.

Normally, this means that we establish the fire extinguishing performance of a concentrate, at a specific mixing ratio, with specific discharge devices. Completing the system requires that we also qualify specific proportioning equipment with each concentrate at each mixing ratio, over a specified range of flows.

Because the FireDos device mechanically couples a positive displacement water motor to a positive displacement pump we were able to qualify it for proportioning various unspecified concentrates over a range of viscosities, instead. However, it is only Approved for use with currently Approved concentrates and discharge devices, within the scope of their Approvals, to create an acceptable system.

Further, the FireDos devices have only been Approved for 1 and 3 percent mixing ratios. Since FM Approvals has only Approved high expansion foam systems using mixing ratios of 1.5 and 2 percent, we cannot Approve these devices for use in high expansion foam systems.

Similarly, FM Approvals does not Approve medium expansion foam systems because FM Global has no recommended applications for these systems.

The Certificate of Compliance and the listings in the FM Approvals Guide define the scope of the Approval.





Member of the FM Global Group

Please feel free to use this letter to aid interested third parties in understanding the wording of the certificate.

I am available to address any further questions you may have.

Very truly yours,

A handwritten signature in black ink that reads "Brandao".

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