

Andrew Mulligan

From: Sharon King <sking@hydro-int.com>
Sent: 26 April 2024 16:22
To: Andrew Mulligan
Cc: David Middleton
Subject: RE: Hydro-Brake Optimum Blockage Risk

Follow Up Flag: Follow up
Flag Status: Completed

Hi Andrew

In our opinion yes we would say it would be low, as preventive measures have been accounted for given the low flow rates which are to be achieved. The mesh guards are very popular for this type of design with low flows, and to date we've not had any problems.

Many thanks

Sharon King
Applications Engineer
Direct Dial: 01275 337924



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Think Before You Print 

From: Andrew Mulligan <Andrew.Mulligan@carleydaines.co.uk>
Sent: Friday, April 26, 2024 4:20 PM
To: Sharon King <sking@hydro-int.com>

Cc: David Middleton <david.middleton@carleydaines.co.uk>

Subject: RE: Hydro-Brake Optimum Blockage Risk

Hello Sharon,

Thanks very much for your email and time on the phone earlier.

Considering the HydroBrake unit types we require, and the installation of a mesh guard and sump chamber as per design details; would Hydro International classify the risk of blockage of the HydroBrake therefore as low?

Thanks,

Andrew.

Regards

Andrew Mulligan
Civil Engineer BEng (Hons)



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From: Sharon King <sking@hydro-int.com>

Sent: Friday, April 26, 2024 4:16 PM

To: Andrew Mulligan <Andrew.Mulligan@carleydaines.co.uk>

Subject: Hydro-Brake Optimum Blockage Risk

Good Afternoon Andrew

Please accept my sincere apologies for not coming back to you sooner.

With regards to our conversation regarding blockage risk for the attached Hydro-Brakes, as discussed we can offer a mesh guard to prevent blockages given the size of orifice that has been determined by the flow rates which you need to achieve.

Following the DCG guidance it does make reference to the upstream system is open or where the inlets are gullies a minimum orifice size of 100mm is required, but with the design flow rates and design heads which you have been given its not possible to achieve a 100mm orifice unless the flow rate can be increased. Therefore we would suggest the inclusion of a Mesh Guard which would prevent debris entering the system. Please note that when a Mesh Guard is provided with the unit, a bypass door will not be available on the Hydro-Brake.

Should you have any other queries please feel free to contact me.

Many thanks

Sharon King
Applications Engineer
Direct Dial: 01275 337924



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