

9 September 2013

Subject: ASME coded vessel standards as they apply to Blacoh Fluid Control manufactured products

To Whom It May Concern:

This letter describes how most Blacoh dampeners are exempt per the ASME Section VIII Div. 1 standard, section U-1.c.2.i:

*ASME VIII*

*"U-1(c)(2)* Based on the Committee's consideration, the following classes of vessels are not included in the scope of this Division...:

*"U-1(c)(2)(i)* vessels having an inside diameter, width, height, or cross section diagonal not exceeding 6 in. (152 mm), with no limitation on length of vessel or pressure;"

Although the dampeners are technically not ASME coded vessels, Blacoh does follow the intent of the standard. Blacoh design calculations and testing standards are established to meet or exceed the ASME standards, to ensure that the units are designed for use in areas where large pressure variances can occur. The dampeners are specifically designed to operate in varying harsh environments, and to withstand several times the maximum operating pressure of the system that they are used in.

Blacoh's quality program is per requirements of CSA-B51-03 Annex F, and is audited by Hartford Steam Boiler to assure the production of safe pressure equipment for all customers and end users. Blacoh can also offer vessel wall thickness calculations per ASME Boiler and Pressure Vessel Code, Section VIII part UG (UG-27) when requested.

Please let us know if you have any questions or require further clarification.

Signed,  
BLACOH FLUID CONTROL, INC.



James Burke, Director of Engineering



Please contact our Asia Pacific distributor:

**H2O Rx**

Phone: 0409 784 236 or 0421 795 353

[info@h2orx.com.au](mailto:info@h2orx.com.au)

[www.h2orx.com.au](http://www.h2orx.com.au)