

Ref: TB16-03	Date: Dec 2016	Eberspächer move from copper pipe to all-hose installations	BSS Check(s) 2.10.2; 2.11; C2.14; C2.15
<p><u>Reasons for inclusion</u></p> <p>Eberspächer has announced that its marinisation kits are now all-hose arrangements, using ISO 7840 hose. The inland waterway boat installation kits with copper fuel pipe are now discontinued.</p> <p>The purpose of this article is purely to let you know the change so that as you carry out BSS examinations you'll not be surprised to find all-hose supplies in growing numbers over time.</p>			
<p><u>Description / scenario</u></p> <p>For narrowboat installation the kit includes a fuel tank stand pipe and fuel valve and for standard sized models such as Hydronic D4WSC, D5WSC and Airtronic D2, D4 and D5, this valve has a 6mm compression fitting at one end to secure it to the stand pipe and a 4mm hose tail fitting the other. 3.5mm I.D. ISO 7840 hose is connected to the fuel valve hose tail by using a stainless steel fuel hose clip.</p> <p>If the heater has an external fuel pump, then the pump has a bead or swage on the intake and output spigots and the hose is once again secured with stainless clips. The heater itself has a stainless steel fuel spigot and this also has a bead on the end to secure the hose from the pump, again another stainless clip is used to secure it.</p> <p>Eberspächer's larger heaters, such as the Hydronic MII 8, 10 or 12kW use 5mm I.D. ISO 7840 hose from the tank to the pump, for a maximum length of 2m.</p> <p>By using hose on appliances with external fuel pumps, Eberspächer say that they have eliminated a possible eight connections, or potential leak points and for heater models having internal fuel pumps such as Hydronic D4WSC and D5WSC; using hose means only two connections in the fuel supply system to the appliance.</p>			
<p><u>Implications for BSS examinations</u></p> <p>On the face of it the arrangements meet BSS compliance and so there is no impact on the BSS Examination Checking Procedures beyond carrying out your normal checks such as ensuring the ISO 7840 hose has been used and any hose connections are not leaking fuel.</p>			
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