



22 June 2017

Gary Sample
Director of Pricing and Business Development
Georg Fischer Harvel, LLC
7777 Sloane Drive
Little Rock, AR 72206

Dear Mr. Sample:

Please find our clarification concerning installation deviations to the Georg Fischer Harvel ABS Type Approvals 15-HS1441017-1-PDA (EcoFIT), 15-HS1456205-1-PDA, (SeaDrain), 15-HS1456206-1-PDA (PVC Marine), 15-HS1456209-1-PDA, (SeaDrain Plus), 15-HS1456207-1-PDA, (CPVC Marine Grade), and 15-HS1456208-1-PDA, (SeaCor). ABS Type Approval requires testing and ratings that only encompass components manufactured by or supplied to Georg Fischer such as 90's, 45's, tee's, P traps or similar fittings as per the Georg Fischer (GF) Parts Catalogue.

For onboard installation in ABS classed systems, all components must be supplied from a GF approved source. Installation shall be carried out by suitably trained technicians in accordance with the GF piping manufacturer's guidelines who have been issued a GF ASME B31.3 bonder qualification card. This card verifies that the bearer has completed and passed the GF training course on solvent welding exclusively for SeaCor™ and GF Marine Grade piping systems. The Georg Fischer B31.3 qualification card shall be retained by the technician and is non-transferable. The ABS Type Approval does not allow for mixing of system components with parts from another manufacturer. ABS Type approved GF parts are manufactured at George Fischer Harvel, Little Rock AR USA. This facility retains an exclusive manufacturing assessment from ABS to produce the piping components covered under the aforementioned Product Design Assessments (PDA).

Should you have further questions please let me know.

Very Truly Yours,

Demetri Stroubakis
Corporate Classification
Assistant Chief Surveyor
Global Materials & Equipment