

Type Approval Certificate

This is to certify that the undernoted products have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	Georg Fischer JRG AG Hauptstrasse 130, 4450 Sissach, Switzerland
Places of Production	<ul style="list-style-type: none">• HakaGerodur AG, Giessenstrasse 3, 8717 Benken SG, Switzerland• Georg Fischer Rohrleitungssysteme AG, Ebnetstrasse 111, 8201 Schaffhausen, Switzerland• Georg Fischer JRG AG, Hauptstrasse 130, 4450 Sissach, Switzerland• Georg Fischer Wavin AG, Industriestrasse 24, 4553 Subingen, Switzerland• Georg Fischer Rohrleitungssysteme AG, Löslweg 26, 7212 Seewis-Pardisla, Switzerland• Georg Fischer PFCI S.r.l., Via degli Imprenditori 24/26, 37067 Valeggio sul Mincio, Verona – Italy• Georg Fischer DEKA GmbH, Kreuzstrasse 22, 35232 Dautphetal-Mornshausen, Germany
Type	Plastic pipes, fittings and valves
Description	Polybutylene (PB) plastic pipes, fittings and valves, jointing technique either compression, fusion or electro fusion.
Trade Name	INSTAFLEX (PB)
Application	Cold and hot water piping systems on open decks, within tanks, cofferdams, void spaces, pipe tunnels and ducts, on board ships, where flame endurance tests according to IMO Res. A753 (18) are not required.
Specified Standard	Lloyd's Register's Rules and Regulations for the Classification of Ships, July 2022. IMO Resolution A.753(18) except fire endurance, toxicity and smoke generation test. Flame spread tests to ASTM D 635 External pressure test to ASTM D2924-1(2006)