

Type Approval Certificate

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

Manufacturer: Raccorderie Metalliche SPA

Address: Strada Sabbionetana 59, Campitello Di Marcaria M, 46010, Italy

Type: Profile Ring Tube Fittings

Description: Stainless steel (quality of material, grade: AISI 316 L (X2CrNiMo17-12-2) according to UNI - EN 10088) sanitary discharge pipes and form pieces with slip- in socket joints, seals from EPDM.

Trade Name: RapidDrain

Application: For use in non-pressurised (up to 0,5 bar) and vacuum sanitary discharge systems everywhere above the freeboard deck and below the freeboard deck in enclosed spaces where the drain pipes are not leading overboard (including machinery rooms). Penetrations of watertight bulkheads or fire class divisions may be allowed if a penetration of approved type is used. For vent pipes for sanitary discharge systems and for central vacuum cleaning system - CVC, lines in tanks not forming part of the ship structure, food waste systems.

Specified Standard: EN 1124 Pipes and fittings of longitudinally welded steel pipes with spigot and socket for waste water systems.

Ratings:

Sizes DN [mm]: 40 to 150

Temperature Range [°C]: -25 to +55

Design Pressure: up to 0,5 bar

Other Conditions: Penetrations are to be separately approved by the Administration for the type of pipe and their operating pressures, on a case by case basis.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document LR2466226DA Issue 00 and its supplementary Type Approval Terms and Conditions form part of this Certificate.