



Certificate of Type Approval (RQS)

This is to certify that Geberit Mapress GmbH & Co. KG
has met the requirements of ABS Product Type Approval for
Specially Shaped Pipe Fittings W/ Integral Ring Seals
Model Name(s): mapress Stainless Steel

Presented to:

Geberit Mapress GmbH & Co. KG
Industriestr. 8-14
Langenfeld
40764
Germany

Intended Service:

As piping components for use in shipboard "Class III" piping systems; Range of Application: Closed domestic fresh water systems, wet type sprinkler systems, non vital compressed air systems, machinery fresh cooling water systems.

Description:

Model - "MAPRESS", Size DN 12 to DN 50 mm, and Model "MAPRESS" Super size DN 65 to DN 100 mm. The Pressfitting System consists of austenitic stainless steel pipes and specially shaped fittings (from 1.4401 or 1.4571 material) sealed by means of a butylic rubber O-ring; The fittings are pressed (crimped) in place by means of a hand held electric or hydraulic tool.

Ratings:

M.A.W.P up to 16 bar, W.T. 110°C (85°C for domestic fresh water systems/DIN 1988). Pipel Sizes [mm], (O.D. x t): 15 x 1.0, 18 x 1.0, 22 x 1.2, 28 x 1.2, 35 x 1.5, 42 x 1.5, 54 x 1.5, 76.1 x 2.0, 88.9 x 2.0, 108.0 x 2.0.

Service Restrictions:

Not Applicable

Comments:

Any pipe work is to be carried out by duly qualified personnel in accordance with the manufacturer's established and recommended procedures. The manufacturer's list relative chemical resistance of the system components is to be followed. Pipe penetrations through watertight bulkheads or fire bulkheads and decks remain to be approved in each separate case.

Notes / Documentation:

Term of Validity:

This product/model is covered under Product Design Assessment (PDA) Certificate # 03-HG369405-PDA, dated 14/Apr/2003. This PDA Certificate expires April of 2008. It will remain valid for the 5 years from date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first).

ABS Rules:

SVR 2003, Section 1-1-4/3.7, 4-6-1/5, 4-6-1/3.7

National Standards:

DIN 17455, 17457

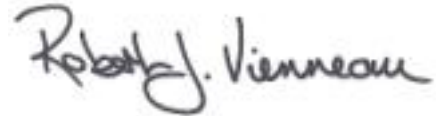
International Standards:

ISO 1127

Government Authority:

EUMED:

Others:



Manager, ABS Programs

ABS has used due diligence in the preparation of this certificate and it represents the information on the product in the ABS Records as of the date and time the certificate was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type Approval. The approvals of Drawings and Products remain valid as long as the ABS Rule, to which they were assessed, remains valid. ABS cautions manufacturers to review and maintain compliance with all other specifications to which the product may have been assessed. Further, unless it is specifically indicated in the description of the product; Type Approval does not necessarily waive witnessed inspection or survey procedures (where otherwise required) for products to be used in a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS. Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.