

15 Year Warranty

on product **FV PPR System and FV THERM System** and harmful events of up to € 80 000

I. PRODUCT

1. FV PPR System designed for **drinking and hot industrial water distribution systems and for heating** is created of **type 3 polypropylene (PP-R)** pipes and FV THERM System designed for **heating** is created of **polyethylene (PE-RT)** pipes furnished with appropriate printing with the name of the producer, FV Plast, a.s., and welding fittings of the same material bearing a stamp with the company's logo.
2. The high quality level of the FV PPR and FV THERM System is guaranteed partly by the exclusive use of original granulates proven over years and partly by high quality processing of these materials with high-end technologies using foreign know-how, including a long-time authentic experience from applying this System in practice.
3. The dimensions and mechanical-physical characteristics of the pipes and fittings correspond to standard EN ISO 15874 and EN 22391.
4. Compliance with the highest quality requirements is guaranteed not only by statutory approvals of products by a state testing agency including its own extensive testing, but also by continuous control of the quality of products.
5. Polyfusion welding of pipes and fittings with polyfusion FV Plast welding machines guarantees the highest safety and creates reliable pipe connections.

II. WARRANTY CONDITIONS

This warranty statement applies only if the following conditions are satisfied:

1. Assembly has been performed on the basis of a high quality project including a hydraulic calculation and a calculation of the **System life cycle of at least 10 years**, the safety factor being at least $k = 1.5$ for water distribution systems and $k = 2.5$ for heating, depending on the dimensions and the kind of the material used.
2. Original parts of the **FV PPR and FV THERM System** can be proved to have been used in the assembly.
3. Other systems' parts can be used only exceptionally. **Written consent** of FV Plast, a.s. is to be requested in such a case.
4. Principles governing storage and transport of plastic products (see ČSN 640090) have been complied with in handling the materials used in the assembly.
5. The staff of the assembly company has been properly trained on the welding of plastics and had appropriate valid welder's certificates (ZK 15 P2) at the time of the assembly and followed the technology for assembling plastic water distribution systems and **FV Plast's Assembly Instructions** when performing the assembly.
6. Documentation on the acceptance of the work by the investor has to contain inter alia a valid protocol of the performance of proper pressure tests and a properly completed Warranty Statement of which these Warranty Conditions are an integral part.
7. Maximum heat and water pressure values for which the System life cycle has been calculated (see Table of Type 3 Polypropylene Operation Conditions) have not been exceeded during the operation.
8. **FV Plast** has been notified of damage that can be proved to have been caused due to a defect of the material used, within 14 days after the defect has been found.

This Warranty Statement shall not apply inter alia in the following cases:

1. A reducer with an external plastic thread has been used where the length of the internal thread of the counterpart was smaller than 2/3 of the plastic thread.
2. A counterpart sealed with another sealing material than Teflon tape (e.g. hemp) has been mounted into a reducer with an internal molded metal thread.
3. A reducer with molded metal threads has been tightened up with other tools than those specified in the description of the assembly of reducers in FV Plast's Assembly Instructions.
4. Welding attachments of other dimensions than those under standard ČSN EN ISO 15874 have been used in welding pipe and fittings.

III. WARRANTY SCOPE AND VALIDITY

1. We provide free replacement of defective materials for the above installation system of FV-Plast for 10 years since coming of the system into service.
2. By means of damage liability insurance covering damage to persons and property as well as costs necessarily incurred due to assembly and disassembly if they have been caused by a defective pipe or a defective fitting of the FV PPR and FV THERM System, we will provide compensation for damage of up to CZK 2 million per one event for 15 years since coming of the equipment into service.
3. This warranty shall apply in Europe.

FV Plast, a.s.