



## Underground Fire Protection Systems

FM approved pipes and fittings are tested under extreme conditions for the application in firefighting systems.

**Underground fire protection systems made of PE 100(-RC) are maintenance-free, leak-proof and resistant against:**

- Seismic activities (soil settlements)
- Pressure surges (water hammers)
- Resistant against abrasion
- Point loads
- Rapid crack propagation
- Root penetration

**Further advantages are:**

- Corrosion free (particle free)
- Easy to install (flexible system)
- No incrustations  
(no pressure loss - low energy costs)
- Reliable performance

Since FM approved products are tested for high quality and safety, the cost of property insurance can be reduced significantly.



For the application of underground fire protection systems, AGRU provides a complete range of FM approved pipes, fittings and special items. These high-quality products are intended to protect assets and to minimise potential losses. FM approved products are objectively tested and in accordance to demanding international standards. AGRU underground fire protection systems have been installed and operated successfully since more than 10 years.

**By using FM approved products, a high reliability and operational safety can be expected.**



### SUPPLY RANGE

**FM class 175 psi (12 bar, SDR 11)**

**Pipes:** OD 63-630 mm

**Fittings:** OD 63-500 mm

**FM class 200 psi (14 bar, SDR 9)**

**Pipes:** OD 63-500 mm

**Fittings:** OD 63-500 mm

