



# NUMEPRESS FIRE PROTECTION

## PRESSFITTING SYSTEM

**ISO  
TUBI**  
STAINLESS STEEL  
PIPES AND FITTINGS



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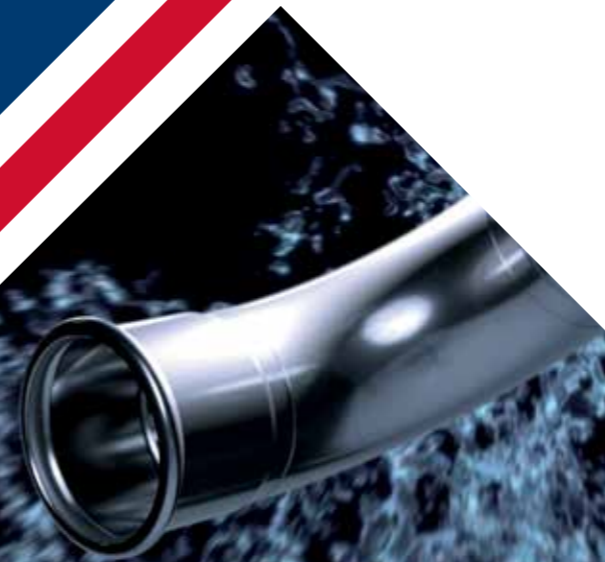
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## APPLICATION

- HYDRANTS SYSTEMS
- SPRINKLER SYSTEMS
- WATER MIST SYSTEM
- FOAM EXTINGUISHING SYSTEMS
- SPRAY SYSTEMS

ISOTUBI has developed its NUMEPRESS system for fixed water extinguishing systems (Wet and Dry) and it's certified and tested by VdS and FM.

The tightness of the connection is ensured by the sealing ring (EPDM) inserted in the inner groove (M-Profile) of each end of the pressfitting, which is deformed in a defined manner during the pressing process.

All the fittings are laser marked displaying:

- NUMEPRESS (Trademark)
- Diameter
- DVGW approval stamp
- Material Quality
- Isotubi's specific code Charge Number

### Fixed water extinguishing systems

For proper installation, permanent water extinguishing systems must be clearly distinguishable and activate immediately the extinguishing process.

Sprinkler systems containing NUMEPRESS Pressfittings must comply with the specifications of the certifying companies (VdS standard CEA 4001).

If, due to structural and planning conditions, a crossover with other components such as cable trays or ventilation ducts cannot be avoided, the sprinkler line must be reinforced with safe supports tested by the certifying companies.

The maximum intervals between the supports must comply with CEA 4001 for the installation to meet the VdS requirements.

### Transport and storage specifications

All pipes are supplied with plastic caps that must not be removed until installation.

Loads of any kind on the pipe must be avoided during transport and storage.

### Fire hazard classes

The Fire Protection Pressfitting system is only for the following fire hazard classes valid: LH, OH1, OH2, OH3 and OH4 only in cinemas, exhibitions, theatres, concert halls.

### Extinguishing water additives

The addition of additives to the extinguishing water is forbidden, excluded from anti-corrosion agents after approval by the manufacturer and VdS approval.

### The certified dimensions for Fire Protection Systems are:

- VdS**
- ø15 DN10 - ø88.9 DN 80 Wet & Dry
  - ø108 DN100 Wet
- FM**
- ø28 DN25 - ø108 DN100 / ø1/2inch - ø2inch
  - Maximum working pressure 175 psi

For the dimensions up to ø54 mm (DN50) a machine with a driving force of at least 32kN must be used.

From ø76.1 mm (DN65) up to ø108 mm (DN100) a machine with a driving force of at least 120 kN must be used.

Equivalent pipe lengths of the fittings should comply with table of the VdS CEA 4001.

### Required pressing tools (VdS)

mm	DRIVING FORCE		MAX. PRESSURE
15 - 18 - 22	32 kN	+Pressjaw	16 bar
28 - 35- 42 - 54	32 kN	+HP Collar	16 bar
76,1 - 88,9	120 kN	+HP Collar	16 bar
108	120 kN	+HP Collar	12,5 bar

### Pressure test

After the pressure test has been completed successfully, the system must be thoroughly washed up in order to remove any kind of dirt to prevent clogging the Sprinkler nozzles.