



SLOVENSKI STANDARD
SIST-TP CEN/TR 16099:2011

01-februar-2011

Oprema za gasilce - Povzetek določil o tlaku vode v objavljenih standardih CEN/TC 192

Fire service equipment - Summary of water pressures specified in published CEN/TC 192 standards

Ausrüstung für die Feuerwehr - Zusammenfassung von Festlegungen zum Wasserdruck in veröffentlichten Normen von CEN/TC 192

Equipement des services d'incendie - Bilan des pressions hydrauliques spécifiées dans les normes publiées du CEN/TC 192

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Ta slovenski standard je istoveten z: CEN/TR 16099:2010

ICS:

13.220.10 Gašenje požara Fire-fighting

SIST-TP CEN/TR 16099:2011 **en,fr,de**

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TECHNICAL REPORT
RAPPORT TECHNIQUE
TECHNISCHER BERICHT

CEN/TR 16099

October 2010

ICS 13.220.10

English Version

**Fire service equipment - Summary of water pressures specified
in published CEN/TC 192 standards**

Équipement des services d'incendie - Bilan des pressions
hydrauliques spécifiées dans les normes publiées du
CEN/TC 192

Ausrüstung für die Feuerwehr - Zusammenfassung von
Festlegungen zum Wasserdruck in veröffentlichten Normen
von CEN/TC 192

This Technical Report was approved by CEN on 30 August 2010. It has been drawn up by the Technical Committee CEN/TC 192.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This document (CEN/TR 16099:2010) has been prepared by Technical Committee CEN/TC 192 “Fire service equipment”, the secretariat of which is held by BSI.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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Introduction

Primarily this Technical Report is intended for use by the relevant CEN/TC 192 Working Groups when preparing new standards or revising existing ones. The Technical Report may also be of value to fire and rescue services when designing, selecting, operating or maintaining extinguishing equipment and also to other CEN committees or other organisations who may work on related matters.

The aim of this Technical Report, as well as providing a collation of existing water pressures contained in published CEN/TC192 standards, is to assist in working towards preparing more common definitions, values and descriptions within new or revised TC 192 standards and to ensure such definitions are clearer, more consistent and easier for the users of the standards.

NOTE Terms and definitions for pressures are given in the relevant EN standards listed in Clause 3. The equivalent definition for the terms within each section may not be identical.

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1 Scope

This Technical Report identifies the various elements of fire ground operations which work together to form a system for the delivery of water or other extinguishing media. The Technical Report also identifies the CEN/TC 192 Working Groups responsible for the standard(s) for that specific item(s) of equipment.

The pressures at which these various items of equipment operate at, as described in their respective standard, are identified and collated and an explanation as to what such pressures relate to is given.

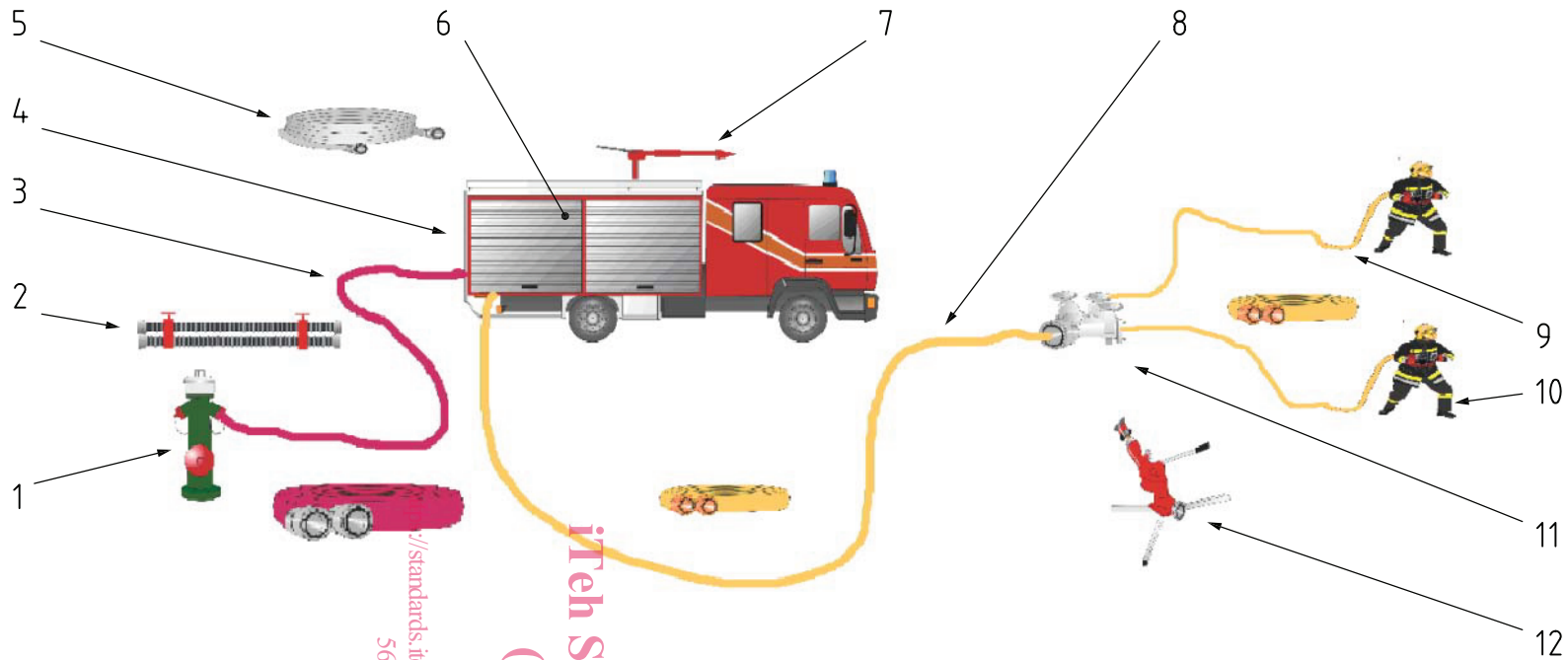
Recommendations are provided in relation to the revision of existing standards and the preparation of new ones in respect of water pressures.

2 Fire ground system of operation

A schematic representation of a typical water delivery system for firefighting operations is shown in Figure 1, with following sections:

- Section 0: Hydrants (for information only);
- Section 1: Layflat hose for water supply;
- Section 2: Fire pump;
- Section 3: Fire appliance – plumbing & valve installation;
- Section 4: Semi rigid hose – to go on hose reel;
- Section 5: Layflat hose for fire attack;
- Section 6: Nozzles;
- Section 7: Fire ground equipment, dividers, etc.;
- Section 8: Portable monitors;
- Section 9: Suction hoses;
- Section 10: Vehicle mounted monitors.

Figure 2 identifies the individual components that form the system, the appropriate European Standards and the Working Groups of CEN/TC 192 responsible for preparing those standards.

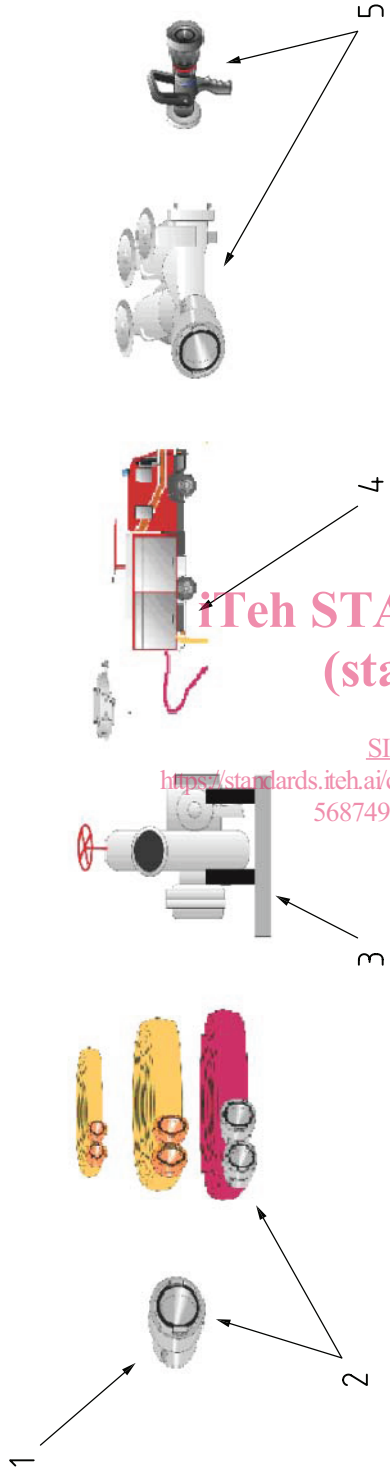


Key

- | | |
|--|---|
| <ul style="list-style-type: none"> 1 Section 0: Hydrants (for information only) 2 Section 9: Suction hoses 3 Section 1: Layflat hose for water supply 4 Section 2: Fire pump 5 Section 4: Semi rigid hose – to go on hose reel 6 Section 3: Fire appliance – plumbing & valve installation | <ul style="list-style-type: none"> 7 Section 10: Vehicle mounted monitors 8 Section 5: Layflat hose for fire attack 9 Section 5: Layflat hose for fire attack 10 Section 6: Nozzles 11 Section 7: Fire ground equipment, dividers, etc. 12 Section 8: Portable monitors |
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Figure 1 — Fire ground operation as a system

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Key

1	—	Couplings for hose assembly:	National standards apply	See Table 1
2	Working Group 1:	Sections 1, 4, 5 ¹⁾ and 9:	EN 694, EN 1947, EN ISO 14557 and EN 14540	See Table 2
3	Working Group 2:	Section 2:	EN 1028 (all parts), EN 14710 (all parts) and EN 14466	See Table 3
4	Working Group 3:	Sections 3 and 10:	EN 1846-3	See Table 4 and Table 5
5	Working Group 8:	Sections 6, 7 ²⁾ and 8:	EN 15182 (all parts), EN 15767 (all parts)	

Figure 2 — Fire fighting components and relating Working Groups of CEN/TC 192

1) National standards apply. A European Standard for layflat hoses for fire attack does not exist. The Final Draft FprEN 1924, *Fire-fighting hoses — Non-percolating layflat delivery hoses and hose assemblies for pumps and vehicles* failed at Formal Vote and the standardization project was cancelled in 2004.

2) Possible future standardization projects in CEN/TC 192/WG 8.