



**NSAI**  
Standards

Irish Standard  
I.S. EN 12514:2020

# Components for supply systems for consuming units with liquid fuels

**I.S. EN 12514:2020**

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## National Foreword

I.S. EN 12514:2020 is the adopted Irish version of the European Document EN 12514:2020, Components for supply systems for consuming units with liquid fuels

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English Version

## Components for supply systems for consuming units with liquid fuels

Composants destinés aux systèmes d'alimentation pour unités de consommation à combustible liquide

Komponenten für Versorgungsanlagen für Verbrauchsstellen mit flüssigen Brennstoffen

This European Standard was approved by CEN on 15 June 2020.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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## European foreword

This document (EN 12514:2020) has been prepared by Technical Committee CEN/TC 47 “Atomizing oil burners and their components - Function - Safety - Testing”, the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 2021, and conflicting national standards shall be withdrawn at the latest by April 2022.

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

This document supersedes EN 12514-1:2000 and EN 12514-2:2000.

This document has been prepared under a standardization request given to CEN by the European Commission and the European Free Trade Association, and supports essential characteristics of EU Directives.

In comparison to EN 12514-1:2000 and EN 12514-2:2000, the following fundamental changes are given:

- standard new structured;
- new components for supply systems included;
- technical characteristics and requirements revised;
- updating of the terms and definitions;
- merging of components to type series;
- fuels categorized and new fuels added;
- nominal lifetime defined;
- essential characteristic for flood proof components included;
- selections of materials;
- marking, packing and instructions revised;
- inclusion of Annex ZA giving the correspondance to the Measuring Instruments Directive (MID) 2014/32/EU.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: 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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## **EN 12514:2020 (E)**

### **Introduction**

Pressure values given in this standard are given as gauge pressure (pressure exceeding atmospheric pressure) unless noted otherwise. Vacuum (negative pressure) is therefore designated by a negative value.

## 1 Scope

This document specifies the safety and performance essential characteristics and tests methods for the components for supply systems. Their intended use is the supply with liquid fuel for one or more consuming units from one or more tanks.

This document applies to components for pressurised, negative pressurised, (vacuum), non-pressurised, underground, above ground, inside and/or outside systems to supply liquid fuels.

The components for supply systems covered by this document are piping kits/systems with the following components:

- a) feed pump;
- b) control and safety device for feed pumps;
- c) service tank;
- d) service vessel;
- e) safety shut-off device;
- f) isolating valve;
- g) quick acting valve;
- h) switch-over valve;
- i) forced switch-over valve;
- j) check valve;
- k) pressure compensating device;
- l) discharge valve;
- m) pressure reducer;
- n) filter;
- o) meter;
- p) de-aerator;
- q) anti-siphon safety device;
- r) insulating device;
- s) pressure gauge;
- t) vapour/air separator;
- u) pressure control path;
- v) pressure retaining device;
- w) remote acting fire safety valve;
- x) pipe;
- y) pipeline connections;
- z) component within pipes;
- aa) combined component;
- bb) withdrawal device.

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