

SLOVENSKI STANDARD
SIST EN ISO 15874-5:2013/oprA1:2017
01-september-2017

Cevni sistemi iz polimernih materialov za napeljave z vročo in hladno vodo - Polipropilen (PP) - 5. del: Ustreznost sistema namenu - Dopnilo A1 (ISO 15874-5:2013/DAM 1:2017)

Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 5: Fitness for purpose of the system - Amendment 1 (ISO 15874-5:2013/DAM 1:2017)

Kunststoff-Rohrleitungssysteme für die Warm- und Kaltwasserinstallation - Polypropylen (PP) - Teil 5: Gebrauchstauglichkeit des Systems (ISO 15874-5:2013/DAM 1:2017)

Systèmes de canalisations en plastique pour les installations d'eau chaude et froide - Polypropylène (PP) - Partie 5: Aptitude à l'emploi du système - Amendement 1 (ISO 15874-5:2013/DAM 1:2017)

Ta slovenski standard je istoveten z: EN ISO 15874-5:2013/prA1

ICS:

23.040.20	Cevi iz polimernih materialov	Plastics pipes
91.140.60	Sistemi za oskrbo z vodo	Water supply systems

SIST EN ISO 15874-5:2013/oprA1:2017 en

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DRAFT AMENDMENT

ISO 15874-5:2013/DAM 1

ISO/TC 138/SC 2

Secretariat: SNV

Voting begins on:
2017-06-15Voting terminates on:
2017-09-06

Plastics piping systems for hot and cold water installations — Polypropylene (PP) —

Part 5: Fitness for purpose of the system

AMENDMENT 1

Systèmes de canalisations en plastique pour les installations d'eau chaude et froide — Polypropylène (PP) —

Partie 5: Aptitude à l'emploi du système

AMENDEMENT 1

ICS: 23.040.20; 91.140.60

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ISO/CEN PARALLEL PROCESSING



Reference number
ISO 15874-5:2013/DAM 1:2017(E)

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Amendment 1 to ISO 15874-5:2013 was prepared by Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, Subcommittee SC 2, and by Technical Committee CEN/TC 155, *Plastics piping systems and ducting systems* in collaboration.

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Plastics piping systems for hot and cold water installations — Polypropylene (PP) —

Part 5: Fitness for purpose of the system

AMENDMENT 1

1 Modifications to 2

Replace the normative reference “EN 712, Thermoplastics piping systems End-load bearing mechanical joints between pressure pipes and fittings Test method for resistance to pull-out under constant longitudinal force” with “ISO 3501, Plastics piping systems - Mechanical joints between fittings and pressure pipes - Test method for resistance to pull-out under constant longitudinal force”

Replace the normative reference “EN 713, Plastics piping systems Mechanical joints between fittings and polyolefin pressure pipes Test method for leak tightness under internal pressure of assemblies subjected to bending” with “ISO 3503, Plastics piping systems - Mechanical joints between fittings and pressure pipes - Test method for leak tightness under internal pressure of assemblies subjected to bending”

Replace the normative reference “EN 12294, Plastics piping systems — Systems for hot and cold water — Test method for leak tightness under vacuum” with “ISO 13056, Plastics piping systems -- Pressure systems for hot and cold water -- Test method for leak tightness under vacuum”

2 Modifications to 4.1, Table 1

In row 3 (Bending test), replace the test method “EN 713” with “ISO 3503”.

In row 4 (Pull-out test), replace the test method “EN 712” with “ISO 3501”.

In row 7 (Vacuum test), replace the test method “EN 12294” with “ISO 13056”.

3 Modifications to 4.3

In 1st sentence, replace “EN 713” with “ISO 3503”.

In 2nd paragraph replace “of nominal diameter greater than or equal to 32 mm” with “that are declared as being bendable by the system supplier.”

4 Modifications to 4.4

In 1st sentence, replace “EN 712” with “ISO 3501”.

5 Modifications to 4.5, Table 11

Replace Table 11 with the new Table 11 below:

ISO 15874-5:2013/DAM 1:2017(E)

	Application class			
	Class 1	Class 2	Class 4	Class 5
Max design temperature, T_{max} , in °C	80	80	70	90
Highest test temperature, in °C	90	90	80	95
Lowest test temperature, in °C	20	20	20	20
Test pressure, in bars	p_D	p_D	p_D	p_D
Number of cycles for $d_n \leq 160$ mm ^a	5 000	5 000	5 000	5 000
Number of cycles for $d_n > 160$ mm ^b	500	500	500	500
Number of test pieces	One set of fittings in accordance with the configuration shown in ISO 19893c.			
<p>^a Each cycle shall comprise 15_0^{+1} min at the highest test temperature and 15_0^{+1} min at the lowest (i.e. the duration of one cycle is 30_0^{+2} min).</p> <p>^b Each cycle shall comprise 150_0^{+5} min at the highest test temperature and 150_0^{+5} min at the lowest (i.e. the duration of one cycle is 300_0^{+10} min).</p> <p>^c Assemblies for $d_n > 160$ mm may consist of an assembly with a minimum total length of 1,5 m with a minimum of 3 fittings or joints, the free pipe length between the joints shall not be less than 150 mm. A representative set of fittings shall be used in the assembly.</p>				

6 Modifications to 4.6, Table 12

Replace Table 12 with the new Table 12 below:

Characteristics	Requirement	Test parameters		Test method	
Pressure cycling	No leakage	Test temperature	23 °C		ISO 19892
		Number of test pieces	3		
			$d_n \leq 160$ mm	$d_n > 160$ mm	
		Frequency (cycles / min)	(30 ± 5)	(15 ± 3)	
		Number of cycles	10 000	5 000	
		Test pressure limits for a design pressure of:	Upper limit	Lower limit	
	4 bar	6,0 bar	0,5 bar		
	6 bar	9,0 bar	0,5 bar		
	8 bar	12,0 bar	0,5 bar		
	10 bar	15,0 bar	0,5 bar		

7 Modifications to 4.7

In 1st sentence, replace “EN 12294” with “ISO 13056”.

7.1 Modifications to Table 13

In 2nd row, 5th column, replace “EN 12294” with “ISO 13056”.