

Viega Standards and Regulations



1 About this document

As far as standards and regulations are mentioned in Viega instructions for use, they primarily relate to Germany / Europe. The standards and regulations are listed in an overview in the beginning of the instructions for use.

In many cases, a variety of national regulations applies additionally or as an alternative. These national regulations are not mentioned in the instructions for use but, in the attempt to ensure that they are always up-to-date, collected in this document and contrasted with the regulations applicable in Germany.

The headings, such as „Areas of application“, „Storage“, or „Maintenance“, refer to the corresponding section of the instructions for use. By way of these headings, it is easy to find the national equivalents in the applicable regulations.

2 Piping Systems

2.1 Regulations from section: Target group

Scope / Notice	Regulations DE	Regulations AU
Qualification of specialist companies	DVGW-Arbeitsblatt GW 301	Follow national guidelines.
Qualification and requirements in the potable water supplier	DVGW-Arbeitsblatt W 1000	Follow national guidelines.

2.2 Regulations from section: Fields of application

Scope / Notice	Regulations DE	Regulations AU
Planning, execution, operation and maintenance of potable water installations or house service connections	DIN EN 805	AS/NZS 3500.1
	DIN EN 806, part 1-5	
	DIN EN 1717	AS/NZS 3500
	DIN 1988	AS/NZS 3500
	VDI/DVGW 6023	AS/NZS 3500
	Trinkwasserverordnung (TrinkwV)	Australian Drinking Water Guidelines AS/NZS 3500
	DVGW-Arbeitsblatt W 400-1	AS/NZS 3500.1
	DVGW-Arbeitsblatt W 400-2	AS/NZS 3500.1
	DVGW-Arbeitsblatt W 400-3	AS/NZS 3500.1
	DVGW-Merkblatt W 333	Follow national guidelines.
DVGW-Arbeitsblatt W 553		
Use of copper pipes in sprinkler extinguisher systems	DIN EN 1057	AS1432
Application in fire extinguishing systems	DIN 14462	AS 2419.1 AS 2441
Planning, execution, modification and operation of gas installations or house service connections	DVGW-Arbeitsblatt G 459-1	AS/NZS 5601
	DVGW-TRGI 2008	AS/NZS 5601
	DVFG-TRF 2012	AS/NZS 5601
	DVGW-Arbeitsblatt G 459-1-B	AS/NZS 5601
	DVGW-Arbeitsblatt G 472	AS/NZS 5601
	DVGW-Arbeitsblatt G 469	AS/NZS 5601

Scope / Notice	Regulations DE	Regulations AU
Gas installations for industrial, commercial and process plants	DVGW-Arbeitsblatt G 5614	AS/NZS 5601
	DVGW-Arbeitsblatt G 462	–
	DVGW-Arbeitsblatt G 459-1	–
	DVGW-Fachinformation Nr. 10	–
Planning, execution, modification and operation of liquid gas installations	DVFG-TRF 2012	–

2.3 Regulations from section: Media

Scope / Notice	Regulations DE	Regulations AU
Class A recycled water	-	AS/ NZS 3500.5:2000
Suitability for potable water	Trinkwasserverordnung (TrinkwV)	Australian Drinking Water Guidelines AS/NZS 3500
Liquid gas in the gaseous state	DVGW-Arbeitsblatt G 260	AS 4670:2018 AS 4564-2011 AS/NZS 5601
Suitability for fuel oil	DIN 51603-1	–
Suitability for Diesel fuel	DIN EN 590	–
Suitability for heating water for pump hot water heating systems	VDI-Richtlinie 2035, Sheet 1 and Sheet 2	–

2.4 Regulations from section: Product description

Scope / Notice	Regulations DE	Regulations AU
Suitability for potable water	Trinkwasserverordnung (TrinkwV)	Australian Drinking Water Guidelines
	DIN 50930-6	–
Requirements in plastic components in potable water installations	DVGW-Arbeitsblatt W270	–

2.5 Regulations from section: Compatible Components

Scope / Notice	Regulations DE	Regulations AU
Sealing pipe thread		
■ External threads Series R.	–	AS ISO 7.1
■ Internal threads Series RP.		
Fastening pipe thread		
■ External threads Series GB.	–	AS 1722.2 ISO 228.1
■ Internal threads Series G.		

2.6 Regulations from section: Pipes

Scope / Notice	Regulations DE	Regulations AU
Drinking water pipelines, cold	DIN 1988-200	AS/NZS 3500.1
Drinking water pipelines, warm	DIN 1988-200	AS/NZS 3500.1
Heating systems	EnEv, appendix 5	–
Permitted copper pipes	DIN EN 1057	AS1432
Approval of press connectors for use with copper pipes	DVGW-Arbeitsblatt GW 392	AS 3688
	DIN EN 1057	
Permitted types of pipes (PE-X) ■ potable water supply ■ gas supply	DIN 16893, DIN 16892	–
Types of pipes (PE-X) ■ potable water supply ■ gas supply	DVGW-Arbeitsblatt GW 335-A3	–
Cross-linked polyethylene (PE-X) pipes for pressure applications	–	AS/NZS 2492
Permitted use with piping materials in potable water installations (PE-HD) Permitted use with piping materials in gas installations (PE-HD)	DIN 8074, DIN 8075	AS/NZS 4130
Permitted types of pipes (PE) ■ potable water supply	DIN EN 12201	AS/NZS 4130
Permitted types of pipes (PE) ■ potable water supply ■ gas supply	DVGW-Arbeitsblatt GW 335-A2	AS/NZS 4130
Types of pipe (PE) – gas supply	DIN EN 1555	AS/NZS 4130
Potable water multilayer pipelines, cold: ■ Pipe with protective pipe (grey), see <i>line 4 and 5</i> ■ Pipe with 9 mm surrounding insulation (grey), see <i>line 1</i> ■ Pipe with 13 mm surrounding insulation (grey), see <i>line 2 and 6</i> ■ Pipe with 26 mm surrounding insulation (grey), see <i>line 3</i>	DIN 1988–200, Table 8	–
Potable water multilayer pipelines, warm: ■ Pipe with protective pipe (grey), see <i>line 6</i> ■ Pipe with 13 mm surrounding insulation (grey), see <i>line 5</i> ■ Pipe with 26 mm surrounding insulation (grey), see <i>line 1</i>	DIN 1988–200, Table 9	–
Heating systems: ■ Pipe with 9 mm surrounding insulation (grey), see <i>line 7</i> ■ Pipe with 13 mm surrounding insulation (grey), see <i>line 5 and 6</i> ■ Pipe with 26 mm surrounding insulation (grey), see <i>line 1</i> Heating systems in floor construction: ■ Pipe with eccentric heat insulation	EnEV, Anhang 5, Table 1	–

Scope / Notice	Regulations DE	Regulations AU
Rules of the fixing technology for gas installations	DVGW-TRGI 2008, Point 5.3.7	AS/NZS 5601
	DVFG-TRF 2012, Point 7.3.6	–
Stainless steel pipes with material number 1.4401	DIN EN 10088	AS 5200.053 and DIN EN 10088
Stainless steel pipes with material number 1.4401	DVGW-Arbeitsblatt GW 541	–

2.7 Regulations from section: Press connectors

Scope / Notice	Regulations DE	Regulations AU
Thread of Geopress K adapters	DIN EN 10226-1	AS ISO 7.1 AS 1722.2 or ISO 228.1

2.8 Regulations from section: Sealing elements

Scope / Notice	Regulations DE	Regulations AU
Area of use of the EPDM sealing element - Heating	DIN EN 12828	–

2.9 Regulations from section: Corrosion

Scope / Notice	Regulations DE	Regulations AU
(Subsequent) corrosion protection measures for laying in the ground	DIN 30672	WSAA Water Supply Code AS/NZS 3500.1 Governing regulations for applicable application AS/NZS 5601 and DIN 30672
Regulations for external corrosion protection	DIN EN 806-2	–
	DIN 1988-200	–
	DKI-Informationsdruck i. 160	–
Corrosion protection measures for external pipelines	DVGW-TRGI 2008, Point 5.2.7.1	–
	DVFG-TRF 2012, Point 7.2.7.1	–
Corrosion protection measures for internal pipelines	DVGW-TRGI 2008, Point 5.2.7.2	–
	DVFG-TRF 2012, Point 7.2.7.2	–
Overground pipelines in recesses in the bare floor or levelling layer	DVGW-TRGI 2008, Point 5.3.7.8.4	–

2.10 Regulations from section: Storage

Scope / Notice	Regulations DE	Regulations AU
Requirements for material storage	DIN EN 806-4, Chapter 4.2	AS/NZS 2492 AS/NZS 2537 AS 4176.2 AS 4176.3 AS/NZS 4129
Requirements for material storage	Einbauhinweise KRV A 1465 - Druckrohrleitungen	AS/NZS 2033

2.11 Regulations from section: Transport

Scope / Notice	Regulations DE	Regulations AU
Transport	Einbauhinweise KRV A 1465 - Druckrohrleitungen	AS/NZS 2033

2.12 Regulations from section: Notes on mounting

Scope / Notice	Regulations DE	Regulations AU
Threshold values for ovalities	DIN 12201-2, Tabelle 1	AS/NZS 4130
The general rules of mounting for gas installations	DVGW-TRGI 2008, Point 5.3.7	AS/NZS 5601
	DVFG-TRF 2012, Point 7.3.6	–

2.13 Regulations from section: Mounting the reusable test plug

Scope / Notice	Regulations DE	Regulations AU
Regulations for leakage and load tests	DIN EN 806-4	AS/NZS 3500
Leakage test for water installations	ZVSHK-Merkblatt: „Dichtheitsprüfungen von Trinkwasserinstallationen mit Druckluft, Inertgas oder Wasser“	AS/NZS 3500

2.15 Regulations from section: Installation position and settings

Scope / Notice	Regulations DE	Regulations AU
Dimensioning of circulation systems	DVGW-Arbeitsblatt W 553	–

2.16 Regulations from section: Notes on mounting

Scope / Notice	Regulations DE	Regulations AU
Threshold values for ovalities	DIN 12201-2, Tabelle 1	AS/NZS 4130

2.17 Regulations from section: Leakage test

Scope / Notice	Regulations DE	Regulations AU
Leakage test before commissioning the connection line	DVGW-Arbeitsblatt W 333	AS/NZS 3500.1
	DVGW-Arbeitsblatt W 400-2	AS/NZS 2033
	DVGW-Arbeitsblatt G 459-1	AS/NZS 5601 AS/NZS 4645
	DVGW-Arbeitsblatt G 469	AS/NZS 5601
	DIN EN 805	AS/NZS 3500.1
Leakage test for water installations	DIN EN 806, part 4	AS/NZS 3500
	ZVSHK-Merkblatt „Dichtheitsprüfungen von Trinkwasserinstallationen mit Druckluft, Inertgas oder Wasser“	AS/NZS 3500

Scope / Notice	Regulations DE	Regulations AU
Leakage test for gas installation	DVGW-TRGI 2008, Point 5.6	AS/NZS 5601
Testing and initial commissioning of a liquid gas system	DVFG-TRF 2012, Point 8	AS/NZS 5601
Test on a system that is finished but not yet covered	DIN EN 806, part 4	AS/NZS 3500

2.18 Regulations from section: Maintenance

Scope / Notice	Regulations DE	Regulations AU
Operation and maintenance of potable water installations	DIN EN 806-5	AS/NZS 3500
Ensuring and maintaining a safe operating condition of gas installations	DVGW-TRGI 2008, Appendix 5c	AS/NZS 5601

3 Pre-wall technology

3.1 Regulations from section: Fire protection

Scope / Notice	Regulations DE	Regulations AU
The period of fire resistance of an EI 90 or EI 120 partition construction is 90 or 120 minutes.	EN 13501-2:2003-12	–
Requirement in the structure of the coverage (one-sided or bothsided)	General building authority test certificate	–

3.2 Regulations from section: Application areas

Scope / Notice	Regulations DE	Regulations AU
Fulfilled noise protection requirements	DIN 4109	–
Specifications for installations inside buildings conveying water for human consumption	EN 806-2	AS/NZS 3500.1
Application limits for filling valves for cisterns with integrated overflow	EN 14124	AS 1172.2

3.3 Regulations from section: Mounting conditions

Scope / Notice	Regulations DE	Regulations AU
Suitable masonry walls	EN 1996-1-1	Building Code of Australia (BCA)
Suitable concrete walls	DIN 1045	Building Code of Australia (BCA)
Suitable timber or steel wall frames	DIN 18183	Building Code of Australia (BCA)
Protection area for installation of the power pack in shower and bath rooms	VDE 0100-701	–

3.4 Regulations from section: Preparing mounting

Scope / Notice	Regulations DE	Regulations AU
Electrical installation	VDE 0100	–

3.5 Regulations from section: Sound protection

Scope / Notice	Regulations DE	Regulations AU
Fulfilled noise protection requirements	DIN 4109	–
Fulfilled noise protection requirements	DIN 4109 (additional sheet 2)	–
Fulfilled noise protection requirements	VDI 4100 SSt I-SSt II	–

3.6 Regulations from section: Technical data

Scope / Notice	Regulations DE	Regulations AU
Electrical approvals	EN 60950	–
Electrical approvals	EN 60335	–
Electrical approvals	EN 61558	–
Flush flow	DIN 3265	–
Noise class	DIN 4109	–



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