

Toilets and Urinals

Definition:

This document covers procurement actions for flushing toilet equipment including toilet suites, toilet receptacles and toilet flushing systems, and urinal equipment including urinal suites, urinals, flush-free urinals and urinal flushing systems. To that respect, the following definitions apply:

- ‘Flushing toilet equipment’ means either a toilet suite, a toilet receptacle or a toilet flushing system.
- ‘Toilet suite’ means a sanitary appliance combining into a functioning unit a flushing system and a toilet receptacle for receiving and flushing away human urine and faeces and directing it into a drainage system.
- ‘Urinal equipment’ means either a urinal suite, a urinal, a flush-free urinal or a urinal flushing system.

The GPP criteria for flushing toilets and urinals do not cover:

- toilet seats and covers, only when placed on the market and/or marketed independently from a flushing toilet or urinal equipment (i.e. when placed on the market and/or marketed as stand-alone item),
- toilet equipment which does not use water, use chemicals and water for flushing and toilets that require energy to aid the flushing system.

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Flushing Toilet Equipment		
2.1	Subject Matter (suggestion on how to draft the tender title)	
	Purchase of water-efficient flushing toilet equipment for new or refurbished buildings.	
2.2	Technical Specification (to be included in the terms of reference / technical specifications)	
	Full flush volume The nominal full flush volume, independent of the water pressure, of flushing toilet equipment when placed on the market shall not exceed 6.0 l/flush.	
	Verification:	Products holding a relevant Type 1 Eco-label fulfilling the listed requirements will be deemed to comply. Otherwise, test results according to the test procedure contained in standard EN 997 or equivalent standards shall be submitted. The testing shall be performed by laboratories that meet the general requirements of standard EN ISO 17025 or equivalent.
	Flushing system requirements Flushing systems shall comply with the requirements of the respective EN standards listed in Table 1.	

Table 1. EN standards on toilet flushing system requirements:										
	<table><tr><th>Number</th><th>Title</th></tr><tr><td>EN 14055</td><td>Wc and urinal flushing cisterns</td></tr><tr><td>EN 12541</td><td>Sanitary tapware - Pressure flushing valves and automatic closing urinal valves PN10</td></tr><tr><td>EN 15091</td><td>Sanitary tapware - Electronic opening and closing sanitary tapware</td></tr></table>	Number	Title	EN 14055	Wc and urinal flushing cisterns	EN 12541	Sanitary tapware - Pressure flushing valves and automatic closing urinal valves PN10	EN 15091	Sanitary tapware - Electronic opening and closing sanitary tapware	
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	Verification:	Products holding a relevant Type 1 Eco-label fulfilling the listed requirements will be deemed to comply. Otherwise, a test report showing that the flushing system of the product complies with the requirements of the respective EN standards mentioned above or equivalent standards will be accepted.								
	Flush performance									
	The flush performance of toilet suites and toilet receptacles shall comply with the requirements of standard EN 997.									
	Verification:	Products holding a relevant Type 1 Eco-label fulfilling the listed requirements will be deemed to comply. Otherwise, a test report showing that the flush performance of the product complies with the requirements of Standard EN 997 or equivalent standard will be accepted.								
	Installation instructions / user information									
	<p><i>The toilet flushing equipment shall be supplied with the following information in print (on the packaging and/or on documentation accompanying the product) and/or electronic format:</i></p> <ul style="list-style-type: none"><i>– Proper installation instructions, including information on which class(es) and/or type(s) the product has been tested for, information on the specific operating pressures that the product is suitable for, information on which drainage system types the product can work with, information describing how to adjust the flush volumes as well as the consequences (e.g. in terms of residual water level, filling level, etc.) and, in the case of toilet receptacles and toilet flushing systems placed on the market independently, information on which products they shall be combined with to make a full functioning unit that is water efficient;</i><i>– Advice on how rational use can minimise the environmental impact, in particular information on proper product’s use to minimise consumption of water;</i><i>– Information on full and reduced flush volumes in l/flush;</i><i>– Recommendations on the proper use and maintenance of the product, including information on which spare parts can be replaced, instruction concerning replacement of washers and other fittings if the product leaks, cleaning advice, etc.;</i><i>– Information concerning appropriate disposal at product’s end-of-life.</i>									
	Verification:	Products holding a relevant Type 1 Eco-label fulfilling the listed requirements will be deemed to comply. Other appropriate means of proof will also be accepted, such as written evidence from the manufacturer that the above clause will be met.								

Urinal Equipment										
1.1	Subject Matter (suggestion on how to draft the tender title)									
	Purchase of water-efficient sanitary tapware for new or refurbished buildings.									
1.2	Technical Specification (to be included in the terms of reference / technical specifications)									
	Full flush volume The nominal flush volume, independent of the water pressure, of flushing urinal equipment when placed on the market shall not exceed 2.0 l/flush.									
	Verification:	Products holding a relevant Type 1 Eco-label fulfilling the listed requirements will be deemed to comply. Otherwise, test results according to the test procedure contained in standard EN 13407 or equivalent standards shall be submitted. The testing shall be performed by laboratories that meet the general requirements of standard EN ISO 17025 or equivalent. For slab urinals the full flush volume refers to the water flushed for 60 cm width of continuous wall.								
	Urinal flushing system requirements Flushing systems shall comply with the requirements of the respective EN standards listed in Table 2. The requirements for measuring the nominal flush volume set in the relevant EN standards in Table 2 below are excluded from this criterion. Table 2. EN standards on urinal flushing system requirements : <table><tr><th>Number</th><th>Title</th></tr><tr><td>EN 14055</td><td>Wc and urinal flushing cisterns</td></tr><tr><td>EN 12541</td><td>Sanitary tapware - Pressure flushing valves and automatic closing urinal valves PN10</td></tr><tr><td>EN 15091</td><td>Sanitary tapware - Electronic opening and closing sanitary tapware</td></tr></table>		Number	Title	EN 14055	Wc and urinal flushing cisterns	EN 12541	Sanitary tapware - Pressure flushing valves and automatic closing urinal valves PN10	EN 15091	Sanitary tapware - Electronic opening and closing sanitary tapware
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	Verification:	Products holding a relevant Type 1 Eco-label fulfilling the listed requirements will be deemed to comply. Otherwise, a test report showing that the flushing system of the product complies with the requirements of the respective EN standards mentioned above or equivalent standards will be accepted.								
	Flush performance of urinal suites and urinals The flush performance of urinal suites and urinals shall comply with the requirements of standard EN 13407.									
	Verification:	Products holding a relevant Type 1 Eco-label fulfilling the listed requirements will be deemed to comply. Otherwise, a test report showing that the flush performance of the product complies with the requirements of Standard EN 13407 or equivalent standard will be accepted.								
	Product longevity The urinal flushing equipment shall be covered by a warranty for repair or replacement of minimum four years. The warranty terms shall clearly cover the leak tightness and any valve of the product. The tenderer shall further ensure that original spare parts or their equivalent are available for at least 10 years from the date of purchase.									
	Verification:	Products holding a relevant Type 1 Eco-label fulfilling the listed requirements will be deemed to comply. Other appropriate means of proof will also be accepted, such as self- declaration from the manufacturer stating that the above clause is met.								
	Installation instructions / user information The urinal flushing equipment shall be supplied with the following information in print (on the packaging and/or on									

	<p>documentation accompanying the product) and/or electronic format:</p> <ul style="list-style-type: none"> - Proper installation instructions, including information on which class(es) and/or type(s) the product has been tested for, information on the specific operating pressures that the product is suitable for, information on which drainage system types the product can work with, information describing how to adjust the full flush volume as well as the consequences (e.g. in terms of residual water level, filling level, etc.), and, in the case of urinals and urinal flushing systems placed on the market independently, information on which products they shall be combined with to make a full functioning unit that is water efficient; - Advice on how rational use can minimise the environmental impact, in particular information on proper product's use to minimise consumption of water; - Information on full flush volume in l/flush; - Recommendations on the proper use and maintenance of the product, including advice on maintenance and use of products, information on which spare parts can be replaced, instruction concerning replacement of washers and other fittings if the product leaks, cleaning advice, etc.; - Information concerning appropriate disposal at product's end-of-life. 	
	Verification:	<p>Products holding a relevant Type 1 Eco-label fulfilling the listed requirements will be deemed to comply. Other appropriate means of proof will also be accepted, such as written evidence from the manufacturer that the above clause will be met.</p>