

Cistern

A sanitary terminal is a fixed appliance or terminal usually supplied with water and used for drinking, cleaning or foul water disposal.

A cistern is a water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closet (toilet) pan, urinal or slop hopper.

IfcElementType	IfcSanitaryTerminal	=IfcExportAs
IfcPredefinedType	CISTERN	=IfcExportType
Suggested Filename:	Cistern	
Suggested LOD (Design Model)	300	
Suggested Primary Discipline	Plumbing, Interiors	

Source	Property Categories	Classification
BIM Forum	Admin data	Masterformat
COBie	Code compliance data	22 41 16 13 : Residential Lavatories
IFC 2x3	Construction logistics data	22 42 13 : Commercial Water Closets, Urinals, and Bidets
IFC4 Add2	Cost data	22 42 16 13 : Commercial Lavatories
NATSPEC BIM	Facilities management data	22 43 13 : Healthcare Water Closets
NATSPEC Spec	Geometric data	22 46 13 : Security Water Clostes and Urinals
	Manufacturer data	22 46 16 13 : Security Lavatories
	Scheduling data	22 41 13 : Residential Water Closets, Urinals, and Bidets
	Spatial and location data	
	Specification data	NatspecWorksection
	Sustainability data	0811 Sanitary fixtures
		Omniclass Table 21 Elements
		21-04 20 20 10 : Sanitary Sewerage Equipment
		Omniclass Table 22 Work Results
		22-22 41 13 : Residential Water Closets, Urinals, and Bidets
		22-22 41 16 13 : Residential Lavatories

	22-22 42 13 : Commercial Water Closets, Urinals, and Bidets
	22-22 42 16 13 : Commercial Lavatories
	22-22 43 13 : Healthcare Water Closets
	22-22 46 13 : Security Water Closets and Urinals
	22-22 46 16 13 : Security Lavatories
Omniclass Table 23 Products	23-25 45 11 25 21 : Physically Challenged Toilets 23-31 19 00 : Toilets
Uniclass Elements	EF_40_20 : Fittings
Uniclass Products	Pr_40_20_93_39 : Hospital pattern WC pans and cisterns Pr_40_20_93_78 : Urinal cisterns Pr_40_20_93_89 : WC cisterns Pr_60_50_96 : Water tanks and cisterns
Uniclass Systems	Ss_40_15_90 : Toilet systems
Unifomat	D2020.10 : Sanitary Sewerage Equipment

Property	Source	Description
Admin data		
CreatedBy	NATSPEC BIM	The name of the person, organisation or library provider that created the object.
CreatedByURL	NATSPEC BIM	URL hyperlink to the object creator's website.
ModifiedIssue	NATSPEC BIM	To record the last date of issue (version or revision) of the object within an object library. Add the date in the following format <yyyymmdd.no> where the 'no' suffix is equal to the number of times the object has been issued on that date. For example 20180316.01.
Reference	PSet_SanitaryTerminalTypeCommon (IFC4)	Reference ID for a specified type in a project (e.g. type 'A-1'). Also known as Construction type. Provide as an alternative to the name of the object type, if software does not support object types.
Code compliance data		
FireRating	NATSPEC BIM	Fire rating of object. Also known as the FRL (Fire Resistance Level) e.g. 60/60/60.
Construction logistics data		
ConstructionMethod	NATSPEC BIM	
GrossWeight	Qto_SanitaryTerminalBaseQuantities (IFC4)NATSPEC BIM	
ShippingWeight	NATSPEC BIM	
Status	BIM Forum PSet_SanitaryTerminalTypeCommon (IFC4)	Status of the object, predominately used in renovation or retrofitting projects. Complete value with: NEW, EXISTING, DEMOLISH, TEMPORARY, OTHER, NOTKNOWN or UNSET
StoragePlacementOnSite	NATSPEC BIM	

Cost data		
AdditionalTax	NATSPEC BIM	
AssemblyCost	NATSPEC BIM	
AssetAccountingType	Pset_Asset (IFC4)Pset_Asset (IFC2x3)	Asset type for accounting purposes. Complete value with: FIXED, NONFIXED, OTHER, NOTKNOWN or UNSET (PEnum_AssetAccountingType)
AssetInsuranceType	Pset_Asset (IFC4)Pset_Asset (IFC2x3)	Type of insurance rating. Complete value with: PERSONAL, REAL, OTHER, NOTKNOWN or UNSET (PEnum_AssetInsuranceType)
AssetTaxType	Pset_Asset (IFC4)Pset_Asset (IFC2x3)	Type of taxation group. Complete value with: CAPITALISED, EXPENDED, OTHER, NOTKNOWN or UNSET (PEnum_AssetTaxType)
ConceptualCost	NATSPEC BIM	
CostOverRun	NATSPEC BIM	
FutureCostAssumptions	NATSPEC BIM	
InstallationCost	NATSPEC BIM	
InstalledCost	NATSPEC BIM	
PurchaseInformation	NATSPEC BIM	
RecordedActualCost	NATSPEC BIM	
ShippingCost	NATSPEC BIM	
TotalOwnershipCost	NATSPEC BIM	
Facilities management data		
AccessibilityPerformance	COBie_ElementTypeCOBie_Specification	Accessibility issue(s) that product satisfies.

AcquisitionDate	Pset_ManufacturerOccurrence (IFC4) Pset_ManufacturerOccurrence (IFC2x3)	Date the item was purchased (Format: YYYY-MM-DD).
AssessmentCondition	NATSPEC BIMPset_Condition (IFC4)	Overall condition rating based on assessment. Rating scale to be agreed prior (e.g. Good, OK , Poor).
AssessmentDate	Pset_Condition (IFC4)	Date of overall condition assessment (Format: YYYY-MM-DD).
AssessmentDescription	Pset_Condition (IFC4)	Qualitative description of the condition.
AssetIdentifier	COBie_Component	Alternative identifier for specific component, used as defined by contract.
AssetType	COBie_AssetCOBie_ElementType	Complete value with: 'Fixed' or 'Movable'
Category	COBie	Classification code.
CodePerformance	COBie_ElementTypeCOBie_Specification	Code compliance requirement(s) that product satisfies.
ComponentID	BIM ForumNATSPEC BIM	
Constituents	COBie_ElementTypeCOBie_Specification	Details of various parts of the object.
Description	COBie	Concise description of the object.
DurationUnit	COBie	Units used to record expected life duration. Typically 'year'.
Exclusions	Pset_Warranty (IFC4)Pset_Warranty (IFC2x3)	Items, conditions or actions that may be excluded from the warranty or that may cause the warranty to become void.
ExpectedLife	NATSPEC BIMCOBie	Expected serviceable life of object.
Features	COBie_ElementTypeCOBie_Specification	Primary features or important characteristics of the product.
Grade	COBie_ElementTypeCOBie_Specification	Standard grading(s) to which the product corresponds.
InstallationDate	NATSPEC BIMCOBie_Component	Format: YYYY-MM-DD.

IsExtendedWarranty	Pset_Warranty (IFC4) Pset_Warranty (IFC2x3)	Complete value with: TRUE or FALSE (IfcBoolean)
ModelNumber	COBie	Model number or designator of the product model (or product line) as assigned by the manufacturer.
Name	COBie	Unique human readable name for object type.
ReplacementCost	NATSPEC BIM COBie_EconomicImpactValues COBie_ElementType	Cost to replace product.
Shape	COBie_ElementType COBie_Specification	Characteristic shape of the object. e.g. Square.
SustainabilityPerformance	COBie_ElementType COBie_Specification	Sustainability issue(s) that product satisfies.
TagNumber	COBie_Component	Tag number for product or equipment at installation.
WarrantyContent	NATSPEC BIM Pset_Warranty (IFC4) Pset_Warranty (IFC2x3)	Description of what is included in warranty.
WarrantyDescription	COBie_Warranty	Concise description of warranty content and any items, conditions or actions that are excluded from warranty or that will cause the warranty to become void.
WarrantyDurationLabor	COBie_Warranty	Duration of labour warranty.
WarrantyDurationParts	COBie_Warranty	Duration of parts warranty.
WarrantyDurationUnit	COBie	Units used to record warranty durations. Typically 'year'.
WarrantyEndDate	NATSPEC BIM Pset_Warranty (IFC4) Pset_Warranty (IFC2x3)	Format: YYYY-MM-DD.
WarrantyGuarantorLabor	COBie_Warranty	email address for organisation responsible for labour warranty.
WarrantyGuarantorParts	COBie_Warranty	email address for organisation responsible for parts warranty.
	Pset_Warranty (IFC4) Pset_Warranty	

WarrantyIdentifier	(IFC2x3)	Identifier assigned to warranty.
WarrantyPeriod	Pset_Warranty (IFC4) Pset_Warranty (IFC2x3)	
WarrantyStartDate	NATSPEC BIMCOBie_Component Pset_Warranty (IFC4) Pset_Warranty (IFC2x3)	Format: YYYY-MM-DD.
Geometric data		
Capacity	NATSPEC BIM	
CisternCapacity	BIM Forum Pset_SanitaryTerminalTypeCistern (IFC4) Pset_SanitaryTerminalTypeCistern (IFC2x3)	Volumetric capacity of the cistern.
GrossVolume	NATSPEC BIM	
NominalDepth	NATSPEC BIM PSet_SanitaryTerminalTypeCommon (IFC4)	
NominalHeight	COBie_ElementTypeCOBie_Specification	Typically the vertical characteristic dimension of the object.
NominalLength	NATSPEC BIMCOBie_ElementType COBie_Specification PSet_SanitaryTerminalTypeCommon (IFC4)	Typically the primary or larger of the two perpendicular horizontal dimensions of the object.
NominalWidth	NATSPEC BIMCOBie_ElementType COBie_Specification PSet_SanitaryTerminalTypeCommon (IFC4)	Typically the secondary or smaller of the two perpendicular horizontal dimensions of the object.
Size	NATSPEC BIMCOBie_ElementType COBie_SpecificationNATSPEC Spec	
Manufacturer data		

Accessories	NATSPEC BIM	Details of available accessories.
ArticleNumber	Pset_ManufacturerTypeInformation (IFC4) Pset_ManufacturerTypeInformation (IFC2x3)	Reference applied to product, according to scheme for article number definition defined by manufacturer. Often used as purchasing number.
AssemblyPlace	NATSPEC BIM Pset_ManufacturerTypeInformation (IFC4)	Defines where assembly is to take place. Complete value with: SITE, FACTORY or NOTDEFINED (IfcAssemblyPlaceEnum)
Availability	NATSPEC BIM	
BarCode	COBiePset_ManufacturerOccurrence (IFC4) Pset_ManufacturerOccurrence (IFC2x3)	Bar code given to occurrence of the product.
BatchReference	Pset_ManufacturerOccurrence (IFC4) Pset_ManufacturerOccurrence (IFC2x3)	Identity of the batch from which the occurrence of the product is taken.
Defects	NATSPEC BIM	To record any defects found.
GlobalTradeItemNumber	Pset_ManufacturerTypeInformation (IFC4)	GTIN is an identifier for trade items developed by GS1 (www.gs1.org).
Manufacturer	BIM Forum COBie NATSPEC BIM Pset_ManufacturerTypeInformation (IFC4) NATSPEC Spec Pset_ManufacturerTypeInformation (IFC2x3)	Name of the manufacturer (or assembler).
ManufacturerURL	NATSPEC BIM	URL hyperlink to the manufacturer's website.
ModelLabel	BIM Forum Pset_ManufacturerTypeInformation (IFC4) NATSPEC BIM	The descriptive model name of the product model (or product line) as assigned by the manufacturer of the manufactured item.
ModelLabel	Pset_ManufacturerTypeInformation (IFC2x3)	The model number and/or unit designator assigned by the manufacturer of the manufactured item.

ModelReference	BIM Forum Pset_ManufacturerTypeInformation (IFC4) NATSPEC BIMNATSPEC Spec	The model number or designator of the product model (or product line) as assigned by the manufacturer of the manufactured item.
ModelReference	Pset_ManufacturerTypeInformation (IFC2x3)	The name of the manufactured item as used by the manufacturer.
OrderNumber	NATSPEC BIM	
PointOfContact	Pset_Warranty (IFC4)Pset_Warranty (IFC2x3)	Organization that should be contacted for action under the terms of the warranty.
ProductInformation	NATSPEC BIM	A valid URL hyperlink to further product information, such as technical documentation, installation guides, etc.
ProductType	NATSPEC BIM	
ProductionYear	Pset_ManufacturerTypeInformation (IFC4) NATSPEC BIM Pset_ManufacturerTypeInformation (IFC2x3)	
SerialNumber	COBiePset_ManufacturerOccurrence (IFC4)NATSPEC BIM Pset_ManufacturerOccurrence (IFC2x3)	Serial number assigned to an occurrence of a product.
Scheduling data		
DeliverBy	NATSPEC BIM	
FabricationTime	NATSPEC BIM	
InstallationSequence	NATSPEC BIM	
InstallationTime	NATSPEC BIM	
LeadTime	NATSPEC BIM	
Spatial and location data		

FloorID	NATSPEC BIM	
GISTag	NATSPEC BIM	
GPSTag	NATSPEC BIM	
SpaceID	BIM ForumNATSPEC BIM	
StoryNumber	BIM Forum	
Specification data		
CisternColor	Pset_SanitaryTerminalTypeCistern (IFC2x3)	
CisternHeight	BIM Forum Pset_SanitaryTerminalTypeCistern (IFC4) Pset_SanitaryTerminalTypeCistern (IFC2x3)	Identifies the height of the cistern position. Complete value with: HIGHLEVEL, LOWLEVEL, NONE, OTHER, NOTKNOWN or UNSET (PEnum_CisternHeight)
CisternMaterial	Pset_SanitaryTerminalTypeCistern (IFC2x3)	
Color	COBie_ElementTypeCOBie_Specification PSet_SanitaryTerminalTypeCommon (IFC4) NATSPEC Spec	
ExteriorFinish	NATSPEC BIM	
Finish	COBie_ElementTypeCOBie_Specification	Specification of surface finish.
FlushRate	BIM Forum Pset_SanitaryTerminalTypeCistern (IFC4) NATSPEC Spec Pset_SanitaryTerminalTypeCistern (IFC2x3)	Bounded value of min and max volume of water used at each flush. For a dual flush toilet, lower bound is the lesser flush rate and upper bound is the greater flush rate.
FlushType	BIM Forum Pset_SanitaryTerminalTypeCistern (IFC4) NATSPEC Spec	Type of flushing mechanism. Complete value with: LEVER, PULL, PUSH, SENSOR,

	Pset_SanitaryTerminalTypeCistern (IFC2x3)	OTHER, NOTKNOWN or UNSET (PEnum_FlushType)
InteriorFinish	NATSPEC BIM	
IsAutomaticFlush	BIM Forum Pset_SanitaryTerminalTypeCistern (IFC4) Pset_SanitaryTerminalTypeCistern (IFC2x3)	Complete value with: TRUE or FALSE (IfcBoolean)
IsSingleFlush	BIM Forum Pset_SanitaryTerminalTypeCistern (IFC4) Pset_SanitaryTerminalTypeCistern (IFC2x3)	Complete value with: TRUE or FALSE (IfcBoolean)
Material	NATSPEC BIM COBie_ElementType COBie_SpecificationNATSPEC Spec	
SpecificationCode	NATSPEC BIM	
SpecificationSystem	NATSPEC BIM	
SpecificationTitle	NATSPEC BIM	
TankColor	BIM Forum	
WELSRating	NATSPEC Spec	
Sustainability data		
CarbonFootprint	NATSPEC BIM	
ItemIsNew	NATSPEC BIM	
ItemIsPartiallyRecycled	NATSPEC BIM	
ItemIsRecycled	NATSPEC BIM	
PostConsumerRecycledContent	NATSPEC BIM	

PostIndustrialRecycledContent	NATSPEC BIM	
PreConsumerRecycledContent	NATSPEC BIM	
RecycledContent	NATSPEC BIM	