ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4) L71152 – WATER SOFTENERS/CONDITIONERS

Learning Legacy Document

Document Number: **CRL1-XRL-Z3-ADDSD-CR001-50083**

Document Revision: **5.0**

Document History:

Revision:	Date:	Prepared by:	Checked by:	Authorised by:	Reason for Issue:
1.0	09-Nov-2012	[redacted]	[redacted]	[redacted]	First Issue
2.0	11-Oct-2013	[redacted]	[redacted]	[redacted]	Standardisation of Attribute Names and New Branding
3.0	03-Jun-2014	[redacted]	[redacted]	[redacted]	Asset Tag Identification Section Updated
4.0	19-Sep-2014	[redacted]	[redacted]	[redacted]	Approvals Added Consultations Removed
5.0	27-Aug-2015	[redacted]	[redacted]	[redacted]	Labelling Section Updated

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1 Introduction

1.1 Asset Details

Class Code:	L71152
Class Name:	Water softeners, conditioners
Class Lineage:	Construction Products>Services>Supply/storage/distribution of liquids and gases>Water and general supply/storage/distribution>Water treatment>Water softeners, conditioners

1.2 Description

Water softeners and conditioners are used to reduce the build-up of scale in water systems. These can be of resin exchange columns or magnetic water conditioners.

1.3 Related Functions

All information on the configuration of asset classes (L-Class) to functions is contained within the latest revision of the Asset Data Dictionary Master Configuration document (eB ref: CRL1-XRL-Z3-ADDSD-CR001-50186)

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2 Asset Tag Identification Rules

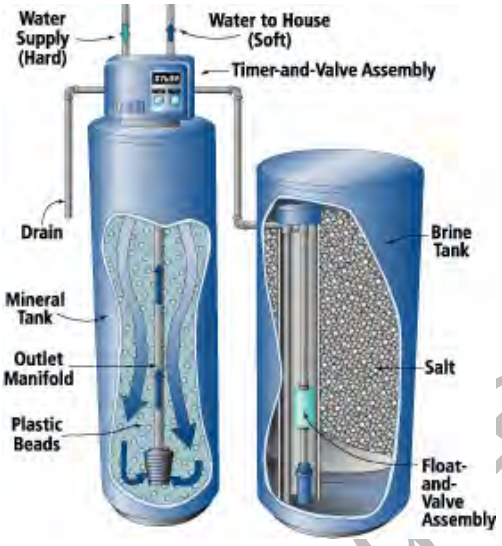
Assets will be identified as required by the Asset Identification Standard (CRL1-XRL-O6-STD-CR001-00031) in the following format:

<LCS Code>-<Function Code>-<Incremental number to ensure uniqueness>

e.g. CR076-BAF-12345

Information and guidance on the standard naming convention for all asset classes is contained within the latest revision of the Asset Naming Convention Document (eB ref: CRL1-XR1-Z3-ADDSD-CR001-50413).

2.1 Example Images



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3 Attributes

3.1 Generic Attributes

All Classes of assets will have a set of Generic Attributes for which data is collected without exception. Full details relating to these assets can be found at:

AD4 – Generic Attributes CRL1-XRL-Z3-ADDSD-CR001-50069

3.2 Class Specific Attributes

Below is a table of the further specific attributes which are associated with this asset class.

Attribute Name	Base Unit or Formula	Value Type (See Below)	Decimal Places (nu Only)	Defined Values List (pd only)	Description
Capacity (Litres)	Litres	NU	2		The total capacity
Diameter (Metres)	Metres	NU	2		The overall diameter of the unit
Height (Metres)	Metres	NU	2		The overall height of the unit
Inlet Diameter (Millimetres)	Millimetres	NU	0		The diameter of the inlet
Input Voltage (Volts)	Volts	NU	0		The rated voltage of the unit
Length (Metres)	Metres	NU	2		The overall length of the unit
Maximum Working Pressure (kPa)	kPa	NU	2		The maximum safe work pressure
Minimum Working Pressure (kPa)	kPa	NU	2		The minimum working pressure
Outlet Diameter (Millimetres)	Millimetres	NU	0		The diameter of the outlet
Time (Seconds)	Seconds	NU	0		The time it takes to regenerate
Volume Flow (Litres/Sec)	Litres/Sec	NU	2		The flow rate capacity

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Attribute Name	**Base Unit or Formula**	**Value Type** (See Below)	**Decimal Places** (nu Only)	**Defined Values List** (pd only)	**Description**
Water Filter Type		PD		Catridge Salt	Type of Filter
Width (Metres)	Metres	NU	2		The overall width of the unit

pd = Predefined List (Listed Values Only)
nu = Numeric (dp and number format can be stipulated)
ch = Free text (Max 255 Characters) da = Date (dd-mm-yyyy) me = Memo (Free text 1GB Limit)

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4 Performance Data

This section is to be used to specify the performance data to be gathered from this Class of asset when in operation. To be populated once the performance measures have been agreed with the Infrastructure Managers

5 Labelling

Information and guidance on the standard labelling convention for all asset classes is contained within the latest revision of the Asset Naming and Labelling Convention Document (eB ref: CRL1-XR1-Z3-ADDSD-CR001-50413).

6 Other Information

Not Applicable

7 Reference Material

- Asset Data Dictionary Master Configuration - CRL1-XRL-Z3-ADDSD-CR001-50186
- Asset Identification Standard - CRL1-XRL-O6-STD-CR001-00031
- AD4 – Generic Attributes - CRL1-XRL-Z3-ADDSD-CR001-50069
- Asset Naming Convention Document - CRL1-XR1-Z3-ADDSD-CR001-50413

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8 Crossrail Technical Approvals

Name	Role	Date
[redacted]	Lead Mechanical & Electrical Plant (MEP) Engineer	19-Sep-2014

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