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1 Purpose

The purpose of this specification is to describe the requirements for washers used for chlorine drum and cylinder connections at Water Corporation chlorine facilities.

2 Scope

This specification applies to all washers used for connections at Water Corporation chlorine facilities and is mandatory.

3 Definitions

N/A

4 References

AS/NZS 2927:2019 - The Storage and Handling of Liquefied Chlorine Gas

Dangerous Goods Safety (Storage and Handling of Non-explosives) Regulations WA

Disposable Nitrile Gloves <https://nexus.watercorporation.com.au/otcs/cs.exe/app/nodes/58726619>

5 SPECIFICATION

CHLORINE **GAS** WITHDRAWAL SYSTEMS



- Lead washer
24mm (OD) x 14.5mm (ID) x 1.5mm thick
Store MMR - 19998

Suitable for gas withdrawal systems, this washer is to be located in between either the TOP chlorine drum spindle valve OR the cylinder spindle valve, and the vacuum regulator yoke.

NOTE: Disposable NITRILE gloves shall be worn when using lead washers.

CHLORINE *LIQUID* WITHDRAWAL SYSTEMS



- **Tesnit Blue washer (BA-U) (Butan Rubber)**
22mm (OD) x 9.6mm (ID) x 3mm thick
Store MMR - 21718

OR



- **Lead washer**
22mm (OD) x 9.6mm (ID) x 1.3mm thick
Store MMR - 20002

Both the Tesnit and Lead washers are suitable for liquid withdrawal systems and are to be located in between the BOTTOM chlorine drum spindle valve and the auxiliary valve (the point at which the auxiliary valve (pigtail isolation valve) and the drum spindle valve connect).

NOTE: Disposable NITRILE gloves shall be worn when using lead washers.

Not Permitted for Use in WC



- Sigma - 511 Flexitallic washers (two types - pink)
- IXOM - fibre washers (are delivered attached to valves - white/green, shall be removed and discarded)

NOTE: These and any other washers not listed in this spec must NOT be used at any Water Corporation chlorine facility without prior consent from the Senior Principal Engineer – Water Treatment, Engineering.

Document Revision History	
26 Feb 2002	Document developed by RB & reviewed by NH
7 May 2007	Document reviewed by RB & NH
17 Sept 2008	Document placed in Aqua PM# 1081434
3 Aug 2010	Document place Cordoc format by SZ
25 Aug 2010	Document reviewed by RB & NH
10 Oct 2013	Document reviewed by SZ & NH
17 Oct 2017	Sec4: references updated; Sec5: updated
20 Oct 2020	Document reviewed by SZ Sec5 updated
24 Oct 2023	Scheduled review, reviewed by BM and NH no content change required