

Helping resolve the issue with design standards in shower recesses relating to AS1428.1

AS1428.1- 2009 Part 1 - Shower Recess Fittings

AS1428.1:2009 (Design for access and mobility) has been discussed throughout the plumbing industry since the Standard came into effect on the 1st May 2011. Within AS1428 a lot of attention has been given to section 15.5.6 and the related shower installation diagrams on pages 84 & 85.

Guidelines within AS1428 for the design of shower stalls indicate that the installation of the wall spud should be at least 700mm above the floor, along with providing a minimum 1500mm length hose. While the Standard does state that a backflow device should be installed, but it would only be a low hazard device, similar to mini dual check valves.

With the design of these access bathrooms being at a minimum size it has become an issue with the shower rose being able to be placed or being able to reach the toilet bowl. In installation like this the hazard rating increases to "high" which then requires an RPZD to be installed on the hot and cold water service upstream of the shower.

Upgrading to an RPZD on the shower outlet may cause extra hassle and paperwork as a certifier will be required to sign off on the location of the RPZD if it's mounted externally and encroaches into the circulating spaces that need to be free from all fixtures.

Other issues with the installation as specified in the Standard could also arise, such as damage to shower hand pieces (which could be quite costly for the facility), and hose draping over the client (when assisted showering). From our understanding past codes did not nominate height of the hose installation nor did they state a hose length, and common installation codes were in play which allowed for safe installs, other than the fact that the hose lengths were too short for a proper bathing requirement for assisted showering.

Galvin Engineering's Offering & Solution

The inclusion of the Galvin Engineering Clevacare Shower Arm within an AS1428.1-2009 compliant sanitary compartment will reduce the backflow risk associated with the shower handpiece reaching the toilet bowl whilst enhancing the usability of the shower for persons with ambulant disabilities.

When using this product in accordance with the Diagrams in Appendix 1 Fig.1 and Fig.2, it not only complies with the absolute measurements and requirements of the code, it is also impossible for the shower head to rest within the WC bowl. In the unlikely event of the handpiece contacting the floor, WC bowl and/or any wastewater, we also require the inclusion of a mini dual check valve at the water inlet point.



ClevaCare other Key Benefits

- Reduces physical strain on carers when bathing patients, providing a safer working environment for them
- Saves money, by eliminating the breakage of hand held showers when dropped
- Suits all size showers
- With the extra hose length, this allows greater reach and easier bathing enabling the patients to feel safer and more comfortable and enjoy the bathing experience
- Saves time – facilitating easier and faster work routines
- Hose is positioned in front of the patient, keeping the hose off the patient when showering

Specification Description and Codes

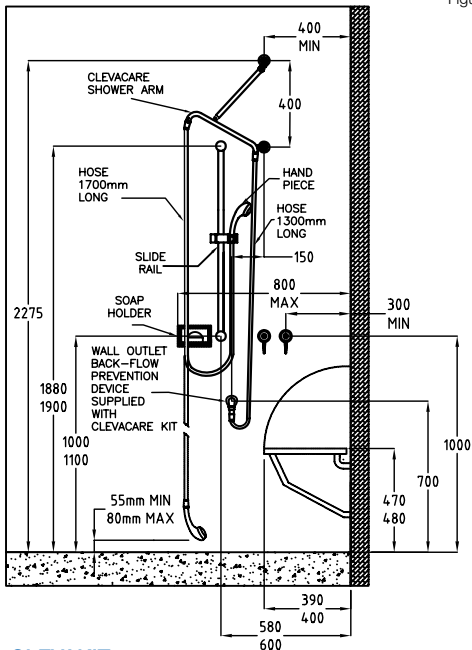
Figure 1. #CLEVAKIT1 – CP ClevaCare Shower Access Kit Complete with CliniLever 80mm Tapware Wall Top Assemblies (Pair), Grab Rail & Hose and Hand Piece

Figure 2. #CLEVAKIT2 – CP ClevaCare Shower Access Kit Complete with Single Lever Mixer Tapware, Grab Rail & Hose and Hand Piece

DISCLAIMER

While care has been taken by Galvin Engineering Pty Ltd in preparing this document for public authorities, the Galvin Engineering does not accept responsibility or liability for the results of specific action taken on the basis of this information nor for any errors or omissions.

Figure 1

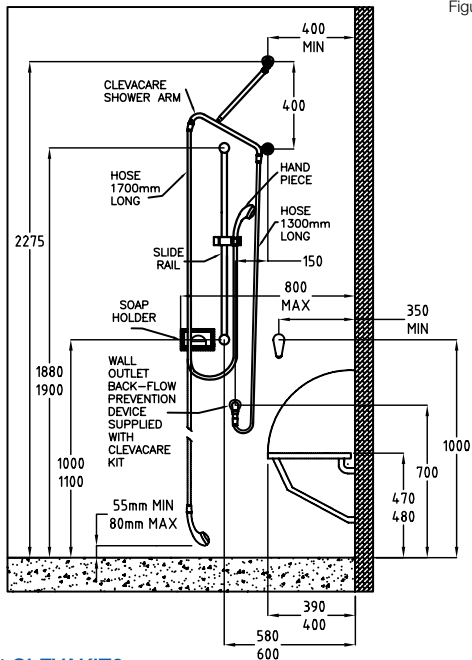


CLEVAKIT1

CP ClevaCare® Shower Access Kit Complete with Clinilever® Tapware.

NOTE: SOAP HOLDER AND SEAT ARE NOT INCLUDED IN KIT.

Figure 2



CLEVAKIT2

CP ClevaCare® Shower Access Kit Complete with Single Lever Mixer.

NOTE: SOAP HOLDER AND SEAT ARE NOT INCLUDED IN KIT.