



**aquatherm**

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# Aquatherm Technical Bulletin

201303A-AQTTB

## Butterfly Valve Compatible Flange Adapters

By default, Aquatherm flange adapters are built to the DIN standard and do not necessarily match up with ANSI butterfly valves. On sizes 4" and smaller this is not an issue, as the ANSI sizes and the DIN sizes overlap. An ANSI butterfly valve will open without interference and no modification to the DIN flange adapter is needed. The default internal diameters of Aquatherm's flange adapters can be found on page 3.34 of the Aquatherm Installer Manual for reference.

On sizes 8" and larger, an ANSI butterfly valve will not open in an unmodified Aquatherm flange adapter. Therefore, it is important to make sure you have ordered the proper flange adapters for the butterfly valves. In the 2013 Aquatherm Catalog, we request that orders use the modifier "BV" at the end of the normal part number for any flange adapters that will connect to butterfly valves. Please continue using the standard (unmodified) flange adapters for all other flange applications. The modified flange adapters are strictly intended for use with ANSI butterfly valves. The part numbers for large flange adapters can be found on page 5.29 of 2013 Aquatherm Catalog. A BV number for 6" flange adapters is also included, but is not necessary except in the case of certain specialty valves. 6" valves from major manufacturers, such as Milwaukee, Apollo, and Nibco, will work with the unmodified 6" adapters.

On page 5.28, it also lists part numbers for modified flange adapters 4" and smaller. This is a mistake and has been removed from the online catalog, but will persist in print copies until 2014. There are no modified versions of the flange adapters 4" and smaller, as they are unnecessary. Please continue using the original part numbers for all flange adapters 4" and smaller. If you do use the "BV" modifier on orders for small flange adapters, you will receive the original unmodified part.

The modified flange adapters have had their internal diameter widened in order to accommodate the action of an ANSI butterfly valve. While the current solution is satisfactory and meets all performance requirements, Aquatherm is working on a better solution that will increase the reliability of the modified flange adapters. Once the new solution is implemented, flanges with the new-style modification will replace the ones with the old-style modification. The part number will remain the same, but new dimensional data will be released to reflect the improved design. This updated design is expected to be market-ready by fall of 2013.

Starting April 15, all flange adapters that have been modified by Aquatherm will be labeled for identification.