

## Design modification of AWP straightway valves DN25 to DN100 from a welded fabrication Y-type design to a cast globe valve design

AWP are replacing as from now, all straightway valves from DN25 to DN100 of the welded fabrication Y-type design with a globe type cast body design.

This change combines the advantages of **precision casting** such as reduced manufacturing and machining cycle times which leads to **shorter delivery times**. Further important advantages of the globe valve design are for example, **compliance with the DIN-standards for installation lengths** and **simplified insulation form**.

### Valve types affected

- Straightway shut-off valves
- Straightway regulation valves
- Straightway check valves
- Straightway strainers

with the pressure ratings PS25, PS40 and PS63

### Characteristics of selected cast steel and cast stainless steel grades

- The selected cast steel 1.6220 (G20Mn5-QT) and stainless steel 1.4581 (GX5CrNiMoNb19.11.2) are precision cast in the **lost wax process**.
- Valve bodies undergo an **x-ray inspection plan** according to DIN EN 12681.
- Both the steel and stainless steel grades offer **excellent welding properties** using welding consumables according to DIN EN 1668 W-424W3SI1, W-446W2Ni2 or acc. to DIN EN 12072 W/G 19.12.3.Nb.
- **Kv-values** are **similar with those of the Y-type valves**. Updated information will be presented in the new ValveCalc calculation program version which will be available from January 2012.
- **Material certificates** and **impact test results** are available for the customer.
- Inspections and certification of third parties and standards institutions can be completed on request.

### Schedule

AWP begins now with steel valves DN25 and DN32 and in close succession the other steel valve sizes and the stainless steel valves will follow.

### New data sheets

New data sheets can be downloaded from our homepage [www.awpvalves.com](http://www.awpvalves.com), Tools/New data sheets and will be published in our new technical catalogue which is available from January, 2012.

*Valves not affected that will remain unchanged are the straightway valves DN6 to DN20 with the globe valve design body made from forged steel and the straightway valves from DN125 with the welded fabrication Y-type design steel body.*

**GEA AWP GmbH**