

**CHEMICAL INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

HG/T 2052-2019

Replacing HG/T 2052-2013

Glass-lined equipment - Drive units

搪玻璃设备 传动装置

(English Translation)

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Table of Contents

Foreword

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SAC/TC 72 is in charge of this English translation. In case of any doubt about the contents of English translation, the Chinese original shall be considered authoritative.

This standard is drafted in accordance with the rules given in the GB/T 1.1-2009.

This standard replaces the HG/T 2052-2013 Drive for glass-lined vessel with agitator in whole.

In addition to a number of editorial changes, the following technical deviations have been made with respect to the HG/T 2052-2013:

- - Adding CR series inline gear reducer and CK series helical bevel gear reducer structure (see Figure 1);
- - Adding SJ double support reducer stool and main dimensions (see 3.2);
- - 6.2 of the previous standard "The noise and leakage of cycloidal pin wheel reducer shall meet the requirements of JB/T 2982; the noise shall not be more than 85dB(A) (1m away from the sound source, 4 points measured and averaged; the temperature rise shall be measured in accordance with JB/T 5288.1, and shall not be more than 60°C" is revised as "The noise, leakage and temperature rise of cycloidal pin wheel reducer shall meet the requirements of JB/T 2982; The same of gear reducer shall meet the requirements of JB/T 7000-2010 and JB/T 8853-2015" (see 6.2, and 6.2 of 2013 edition);
- - 6.4 of previous standard "When the reducer stool is made of cast iron, its yield strength shall not be lower than 200MPa, when it is made of steel, its tensile strength shall not be lower than 375MPa, and its yield strength shall not be lower than 235MPa" is revised as "When the reducer stool is made of steel, the mechanical properties of the steel of reducer stool shall not be lower than that of Q235 steel; When it is made of cast iron, its mechanical properties shall not be lower than that of HT200 cast iron" (see 6.4, and 6.4 of 2013 edition);
- - 6.5 of previous standard "The total radial runout of the output shaft of the TB device shall not be more than 0.15mm, and the radial runout and axial displacement of the output shaft of DJ-T, DZ and SZ drive units shall meet the requirements of HT/T 21563" is revised as "The radial runout and axial displacement of the output shaft of drive unit shall meet the requirements of HT/T 21563" (see 6.5, and 6.5 of 2013 edition);

- - "DJ-T" in Table 7 of previous standard is revised as "DJ", and the D1, D2, D3(H8), H1, n1-Phi1 dimensions corresponding to DJ65, DJ90, DJ110 reducer stool are revised (see Table 7, and Table 7 of 2013 edition);
- - Adding table 10 " Dimension list of SJ reducer stool " (see Table 10);
- - Deleting 400L specification in Annex Table A.1 of previous standard (Table A.1 of 2013 edition);
- - Annexes A.1.4 a) and A.2.4 a) of previous standard "The anchor and gate type agitator speed $n=50\text{r/min}\sim 80\text{r/min}$ " is revised as "The anchor and gate type agitator speed $n=50\text{r/min}\sim 80\text{r/min}$, and Linear velocity at blade end shall not be more than 5m/s " (see