

Abstract

The embodiments of the present application relate to the technical fields of dairy, food and pharmacy and disclose a detachable rotary valve with diagonal slide rails. The detachable rotary valve includes: diagonal slide rails (10), non-drive side cover (20), housing (30), drive side cover (40), rotor assembly (80), tee bolt assembly (50) and fixing bolts (60). This design of non- drive side cover (20) with proper bearing support along with tapered rotor (80) and housing (30) eliminates the tipping problem of the existing rotor bracket and avoids scratching the housing when pulled from the non-drive side. This special bearing support on non- drive side end cover is to be patented.

<Figure 1>