



Rotary Valves for Brass Instruments since 1866

Valve with Lubrication Channels

A patented solution for maintenance-friendly and longer lasting rotor bearings has been introduced optionally for all rotary valves.

Bearing oil is distributed along spiral shaped lubrication channels on the rotor shanks. The self-cleaning channels reduce maintenance. Lubrication is applied evenly over the entire bearing and improves the movement of the rotors.

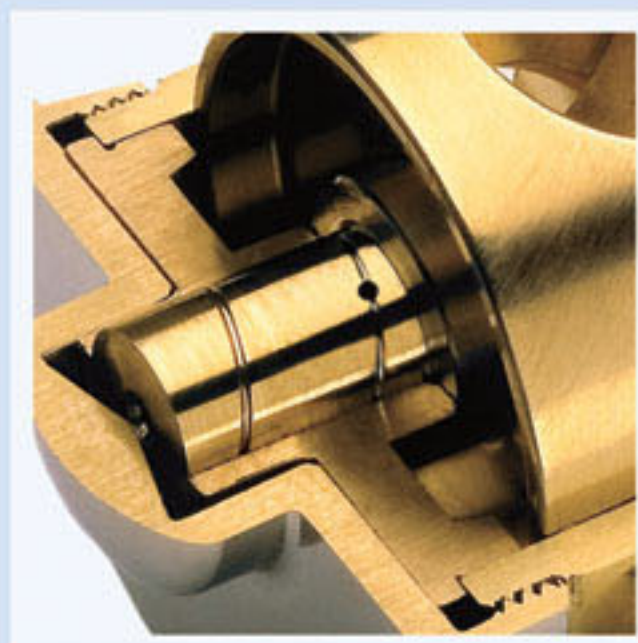
On the upper shank the oil is applied directly to the lubrication channel (pict.1). Turning the rotor distributes the oil evenly inside the upper bearing.

To access the lower bearing, the lower valve cap must be screwed off first. A small hole becomes visible in the centre of the lower shank (pict.3). This is the opening to the axial channel into which the oil is applied.

A radial channel then feeds the oil into the lubrication channel on the shank (pict.2). The capillary effect ensures that the antifriction film is permanently renewed. The axial cavity also serves as a reservoir for unused oil and prevents over-oiling. We recommend "Hetman oil medium Bearing No. 13,5".



pict.1:
Upper shank lubrication channel



pict.2:
Oil outlet from radial channel



pict.3:
Opening to axial channel

J. Meinschmidt GmbH

Rotary Valves for Brass Instruments since 1866
Hirschenweg 5 · 82538 Geretsried · Germany
www.jm-gmbh.de info@jm-gmbh.de
phone: +49 (0) 81 71 / 3 17 10 · fax: +49 (0) 81 71 / 8 03 65