

ROCO Premium - The new Generation of Butterfly Valves

04/2008

Proved and tested things optimised in a meaningful way

The fully newly revised design of the butterfly valve type ROCO Premium presents itself as an extraordinary highlight in the world of valves. Well thought-out optimisation in detail is coupled with innovative design elements. As a result, the new ROCO Premium achieves outstanding functional features in terms of operational reliability and service life. With it, the optimal protection of drinking water goes without saying. The steadily increasing application conditions were a motivation for this futureoriented solution.

- + Consistent re-design of the entire construction
- + Improvement of the tried and tested functions
- + Corrosion protection optimised in detail
- + Shafts are unaffected by media
- + Thick-walled bearing sleeves fulfil stringent standards for drinking water
- + Design in EKB and vitreous-enamel
- + Low torque need
- + Favourable operating conditions
- + Built for one generation and more
- + DN 150 - 600 / PN 10 - 16
- + "GSK - high-grade protection against corrosion" acc. to RAL-GZ 662 (layer thickness >250 µm)
- + A multitude of coatings, including ATEX, is possible

The effective sealing of the ROCO Premium butterfly valve is based on a special, one-piece rubber coated profile sealing ring. The precise design of the ROCO Premium butterfly valve allows for a widthoptimised cross-sectional profile. The valve disc is off-seated after only a few degrees of opening movement. After that, the sealing ring is unstressed all around. There is no excessive torques in the seating.

Free movement of the ROCO Premium is supported by the adjusted gearbox characteristic curve of the tried and tested ERHARD slider-crank mechanism (SKG).



*ROCO Premium DN 150
inside lining vitreous-enamel*

**Made in Germany.
Made by ERHARD.
The seal of quality!**

Essential Benefits of the new ROCO Premium Butterfly Valve

+ Polygon – With safety

The polygon shaft-hub connection that is free of notches and located on the valve disc allows for highest-possible torque transmission which is adjusted to the high reserves of the ERHARD slider-crank mechanism (SKG). The connection is absolutely free of play which is also a result of the decades-long development and production know-how with ERHARD in Heidenheim.

+ Enamel – With cleanness

With the variants with enamel coating for the interior, an optimum of protection results in the drinking water area for this valuable foodstuff. Zero dead space, optimised in detail in terms of corrosion protection and the tremendously smooth enamel coating are the particular quality features as a result.

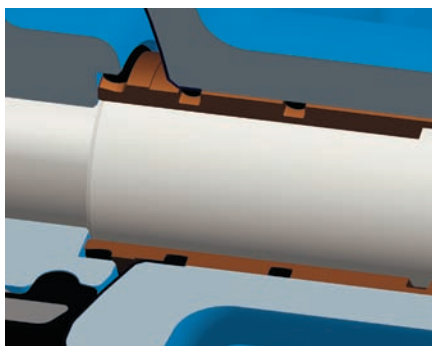
+ Bushes – With leak tightness

High-quality bronze bushes and cleverly arranged sealing elements separate shafts and media in a safe way. A big advantage with many operating media and operational conditions.

+ ROCO Premium – With efficiency

Also the extraordinary efficiency for the everyday operation of all ROCO Premium butterfly valves was optimised. Ideal flow rate values and a long-lasting design will convince, and this with safety.

Specially developed manufacturing technologies allow for an ideal contact pattern in the polygon shafthub connection of the ROCO Premium butterfly valve, which effectively works against the off-sea-pressure in the bearing places. That way, a maximum possible degree of power transmission becomes possible. Further connecting elements can be dispensed with, resulting in an ideal connection for valves which are built for one generation and more. The valve disc is self-centering and favourable in terms of flow. Thanks to zero backlash, fluttering is excluded even under maximum dynamic load conditions.



An example of the trendsetting design:
Fully enclosed drive shaft with thick-walled bearing bushes and precisely set sealing rings on a protected surface.
A real novelty!
The safe and long-lasting solution for all media to be pumped.



In case of any queries, please contact us. We would be glad to advise you.

*Product Manager
Thomas F. Hammer
Phone ++49 (0) 7321-320-254,
thomas.hammer@tyco-valves.com*



*ERHARD Polygon-Connection
Property rights applied for*