Operating Instruction Flexible Reach Rod

Technial Data

ø Reach Rod core:	16 mm
ø Protective hose	29 mm
ø End bushing	30 mm
ø End pieces	18 mm
Torsional twist[10Nm/1m]:	0,41-0,45
Handwheel ø [mm]:	175
Weight:	ca. 2,5 kg/m + ca. 1 kg (End bushings)

Bending Radius	max. Torque	
	up to 25 Nm	25-65 Nm
400-600 mm	500 mm	400 mm
601-1000 mm	600 mm	400 mm
>1000 mm	800 mm	600 mm

For special requirements, different core diameters are available upon request.

Layout and Mounting

- Ideally on site, measure the required length from B (point of operation) to A (valve) by means of a flexible rubber hose or rope. Determine the required wall penetrations as well as operating conditions of the installation (submerged under medium, temperature impact, etc.).
- The given minimum bending radii must be observed!
- Please observe that in case of high torques and/or distances, a gearbox has to be used (ref. chapter 1.3 Applicability of the Flexible Reach Rod).
  In case a gearbox is required, ARMATUREN-WOLFF will carry out the project-specific layout in respect of frictional loss, torques, etc.
- For manufacturing reasons as well as handling during installation, we recommend that Flexible Reach Rods over 10.0 m should be realized out of two or more sections.

Maintenance

Due to the generally low mechanical stress of the reach rod protective coating, the Flexible Reach Rod remain permanently functional in case of proper handling and use.

We recommend to perform general status check-ups and functional tests in regular intervals of maximum 2 years, including an operation of the corresponding valve.
If there are additional maintenance instructions for the valve requiring more frequent maintenance or functional testing, the shorter intervals are applicable.
During the check-up the Flexible Reach Rod should be greased by means of filling the greasing nipple with normal high-pressure grease.

Penetration elements trough bulkheads, decks and tanks (divisions in general) have to be checked regularly for potential leakages. In case of apparent leaks the contained sealing components have to be replaced.

Spare Parts

Since the Flexible Reach Rod is subject to a relatively low wear we cannot recommend that spare parts to be kept in storage permanently. Many years of experience show that the are virtually no failures that justify the storage of spares.

aw@armaturen-wolff.de
www.armaturen-wolff.de
tt@tramistec.de
www.tramistec.de