



Flexible Reach Rods

Operating Manual

1. Installation Instructions

1.1.

Measure the length of the required Flexible Reach Rod from B (operating unit) to A (valve) by means of a pliant, flexible rubber hose or rope. Note the required wall and deck passing points as well as special installation conditions (submerged, high temperature areas, etc.).

1.2.

Be careful not to build in bends below the minimum required radii indicated below:

Minimale Installation Radii		Approx. Weight w/o Accessories
<u>FFR-core Ø</u>	<u>min. radius</u>	<u>kg (end fittings) + kg/m.</u>
13 mm	300 mm	4,0 kg + 6,0 kg/m
16 mm	375 mm	5,0 kg + 8,0 kg/m
19 mm	425 mm	5,0 kg + 12,0 kg/m

1.3.

Please take into account, that in case of higher torques and/or distances the use of a gearbox may become indispensable.

If a gearbox is needed, Armaturen-Wolff will determine the project-specific requirements under consideration of friction losses, torques, etc.

1.4.

Due to production as well as installation reasons, Flexible Reach Rods over 10.0 m's length consist of two or more sections.

Maximum distance between clamps

(for orientation; depending on the respective installation situation)

<u>FFR-core Ø</u>	<u>Distance</u>
13 mm	750 mm
16 mm	800 mm
19 mm	1000 mm

2. Maintenance

It has to be made sure, however, that movable parts of the Flexible Reach Rod are kept free from dirt.

In regular intervals, which should be defined by the operator and should not exceed twelve month, the Flexible Reach Rod should be greased by means of filling the greasing nipple with normal high-pressure grease.

For all technical information, our service team will be glad to assist you.
Please do not hesitate to contact us.