<u>User Recommendation</u> NEUMO ConnectS® Flange Connection



You have purchased a high precision item, which demands special requirements on handling and welding technology during installation. In order to ensure the optimal sterile function of the system, following recommendations should be followed:

- NEUMO ConnectS® Flange Connections are delivered pressure tested, but disassembled and single
 packed. In order to prevent any damage of the sealing faces, please remove the packaging directly
 before installation only.
- While the items are disassembled, make sure that the sealing faces are not damaged. If necessary, cover the same with plastic protection end caps. In case of any damage, NEUMO can not guarantee the functionality of the Flange Connection anymore.
- During welding of the flanges, make sure that the thermal influence on the sealing area is kept as low as possible. Excessive heat introduction may result in a deformation of the sealing faces. The weld ends shall not be cut back.
- It's important that the sealing faces do not show any traces of dirt or grease during installation and assembly.
- To avoid distortion when bolting the flanges together, the bolts should be tightened in a cross bolt
 tightening pattern. Tightening torques and the respective information on the individual bolt sizes can
 be taken out of the chart below.

	M8	M10	M12	M14	M16
Friction					
coefficient	Tightening torque				
0,10	14,5	30,0	50,0	79,0	121,0
0,12	16,3	33,0	56,0	89,0	136,0
0,14	17,8	36,0	62,0	98,0	150,0
0,16	19,3	39,0	66,0	105,0	162,0
0,18	20,4	41,0	70,0	112,0	173,0
0,20*	21,5	44,0	74,0	119,0	183,0
0,30	25,5	51,0	88,0	141,0	218,0
0,40	27,6	56,0	96,0	152,0	237,0

^{*} Recommended torque!

Technical Information on tightening torques for bolts:

As in practice, different friction coefficients may occur, the torques listed in the above chart are considered as reference values only!

These torques apply to bolts EN 24014 / 24017, property class 70, at ambient temperature. Before determining the ultimate torque, we recommend tests under operating conditions.

We are confident that by considering these basic guidelines you will be able to appreciate the advantages of the ConnectS® connection. We are looking forward to receive your feedback.





