

Table 4-1 Cover Bolts / Nuts and Tightening Torque

Model No.	Wetted parts material (other than diaphragm)	Bolt/Nut Material	Bolt/Nut tightening torque N·m		
			Cover material Carbon steel/Stainless steel		Cover material PVC
			When new gasket is used	When existing gasket is reused	When new / existing gasket is used
GTX15D	SUS316	SUS304	15±1	10±1	-
GTX31D GTX41D	SUS316 Hastelloy C	Carbon steel	22±2	17±1	10±1
		SUS630			-
		SUS304	15±1	10±1	10±1
GTX31D GTX41D GTX71D	Tantalum SUS316L	Carbon steel	22±2	17±1	10±1
		SUS630			-
		SUS304	15±1	10±1	10±1
GTX32D GTX42D GTX72D	SUS316	Carbon steel SUS630	90±20		-
		SUS304	55±10		-
GTX60G GTX71G	SUS316 Hastelloy C	Carbon steel	22±2	17±1	10±1
		SUS630			-
		SUS304	15±1	10±1	10±1
GTX60G GTX71G	Tantalum SUS316L	Carbon steel	22±2	17±1	10±1
		SUS630			-
		SUS304	15±1	20±1	10±1
GTX82G	SUS316 Hastelloy C	Carbon steel SUS630	90±20		-
		SUS304	55±10		-
GTX30A GTX60A	SUS316 Hastelloy C Tantalum SUS316L	Carbon steel SUS630	22±2	17±1	-
		SUS304	15±1	10±1	10±1
GTX35F GTX60F	SUS316	Carbon steel SUS630	22±2	17±1	-
		SUS304	15±1	10±1	-

Table 4-2 Adapter Flange Bolt / Nut Tightening Torque

Bolt/Nut Material	Bolt/Nut tightening torque N·m	
	Adapter flange material Carbon steel/Stainless steel	Adapter flange material PVC
Carbon steel	20±1	7±0.5
SUS630		-
SUS304	10±0.5	7±0.5