

May-17

ISO 80369-7 Reference Connectors and ISO 80369-20 Test Equipment

ISO80369-7:2016	Required Annex of ISO 80369-20:2015	Enersol equipment required	Required Enersol reference connectors for Luer Lock connectors	Required Enersol reference connectors for Luer Slip connectors
Clause 6 - all sub-clauses	Assemble the reference connector from ISO80369-7 Annex C with the test sample	S15A - Connector assembly device	All	All
Clause 6.1.1 - Fluid leakage requirement	Evaluate using EITHER leakage by pressure decay, or positive pressure liquid leakage. It is inferred the same method is used after the stress cracking conditioning.			
Clause 6.1.2 - Leakage by pressure decay	ISO80369-20 Annex B - Leakage by Pressure Decay	S77 - Automated pressure decay tester	S07 - ISO80369-7 Fig. C.1 S09 - ISO80369-7 Fig. C.4	S11 - ISO80369-7 Fig. C.2 S12 - ISO80369-7 Fig. C.5
Clause 6.1.3 - Positive pressure liquid leakage	ISO80369-20 Annex C - Positive Pressure Liquid Leakage	S16A - Positive pressure liquid leakage tester	S07 - ISO80369-7 Fig. C.1 S09 - ISO80369-7 Fig. C.4	S11 - ISO80369-7 Fig. C.2 S12 - ISO80369-7 Fig. C.5
Clause 6.2 - Sub-atmospheric pressure air leakage	ISO80369-20 Annex D - Sub-atmospheric pressure air leakage	S78 - Automated sub-atmospheric pressure air leakage tester	S07 - ISO80369-7 Fig. C.1 S09 - ISO80369-7 Fig. C.4	S11 - ISO80369-7 Fig. C.2 S12 - ISO80369-7 Fig. C.5
Clause 6.3 - Stress cracking	ISO80369-20 Annex E - Stress cracking	Use S15A	S07 - ISO80369-7 Fig. C.1 S09 - ISO80369-7 Fig. C.4	S11 - ISO80369-7 Fig. C.2 S12 - ISO80369-7 Fig. C.5
Clause 6.4 - Resistance to separation from axial load	ISO80369-20 Annex F - Resistance to separation from axial load	S18A - Separation force device	S08 - ISO80369-7 Fig. C.3 S10 - ISO80369-7 Fig. C.6	S11 - ISO80369-7 Fig. C.2 S12 - ISO80369-7 Fig. C.5
Clause 6.5 - Resistance to separation from unscrewing	ISO80369-20 Annex G - Resistance to separation from unscrewing	S19A - Unscrewing torque device	S07 - ISO80369-7 Fig. C.1 S09 - ISO80369-7 Fig. C.4	Test not required for slip connectors
Clause 6.6 - Resistance to overriding	ISO80369-20 Annex H - Resistance to overriding	Use S15A	S08 - ISO80369-7 Fig. C.3 S10 - ISO80369-7 Fig. C.6	Test not required for slip connectors