

Cont.-No.	Description	Standard	Test done by	Certificate EN 10204			
				2.1/2.2 Cat. I	3.1 Cat. II-III	3.1 Cat. IV	
Previous examination of all technical documents			ARCA/GL	ARCA	ARCA	GL	
1.1	BMT MT	destructive material test chem. analysis, phys. prop.	DIN 50115 DIN/EN 10002	■ Supplier	Supplier	Supplier	□ CS
1.2	BMT MT	non-destructive material test, X-ray	DIN/EN 12681	○ Supplier Special test	Supplier	Supplier	□ CS
1.3	BMT MT	non-destructive material test, US-Test	DIN/EN 12680	○ Supplier, as Special test	Supplier	Supplier	□ CS
1.4	BMT MT	non-destructive material test, MP-Test	DIN/EN 1369	○ Supplier, as Special test	Supplier	Supplier	□ CS
1.5	BMT MT	non-destructive material test, DP-Test	DIN/EN 1371	○ Supplier, as Special test	Supplier	Supplier	□ CS
1.6	BMT CT	- dimensional test - roughness	DIN/EN 1559 DIN/EN 1370	● test-labour.	ARCA		□ CS
2.1	CTWV	- dimensional test - visual test	DIN/EN 1559 DIN/EN 12454	▲ ARCA	ARCA	ARCA	
2.2	CTWV	shell pressure test with water 1,5 x PN	DIN/EN 12266-1/ 6.1	▲ ARCA	ARCA	ARCA	
2.3	CTWV	body leakage test with air 1 bar (see encl. I, 7.4)	DIN/EN 12266	▲ ARCA	ARCA	CS/ ARCA	
2.4	CTWV	body leakage test with air max. 6 bar	DIN/EN 12266-2/ A 3.2.2	● ARCA	ARCA	CS/ ARCA	
2.5	CTWV	body leakage test with helium	TA-Luft VDI 2440	● test-labour.	ARCA	CS/ ARCA	
2.6	CTWV	seat leakage test with air max. 6 bar	DIN/EN 12266-2/ A 3.3	● ARCA	ARCA	CS/ ARCA	
2.7	CTWV	seat leakage test at max. pressure drop	DIN/EN 1349 KI. 4/L/2	▲ ARCA	ARCA	CS/ ARCA	
2.8	CTWV	seat leakage test at max. pressure drop	ARCA Standard	▲ ARCA	ARCA	CS/ ARCA	
2.9	CTWV	measurment. of layers painting	ARCA Standard	● ARCA	ARCA	ARCA	
2.10	CTWV	functional test	DIN/EN 12266-2/ B1	▲ ARCA	ARCA	CS	
2.11	CTWV	final acceptance test marking paragraph 3.3 CE 0098 declaration of conformity	ARCA Standard PED 97/23 EC	▲ ARCA	ARCA	CS	

Legend:

BMT = Basis Material Test
CT = Construction test
CTWV= Construction test of the complete valve
CS = Inspection Authority (GL, TÜV, LRS, BV, NV, etc.)

- ▲ = ARCA standard test
- = Standard tests of sub-supplier
- = ARCA special tests on request only
- = Special tests of sub-supplier
- * = acc. to manual for ironworks lab. 3.2
- = In case that the material manufacturers have a valid material certificate AD-W0 or comparable of a competent authority accepted in the European Union, a certificate acc. to EN 10204-3.1 is sufficient. Otherwise a certificate acc. to EN 10204-3.2 is required.