

Testing and Certification

Execution and Rules		Butterfly valves		Manual operated valves												Control valves			Press. red.	Safety valves								Execution and Rules																	
		ZESA	GESA	EURO-WEDI	FABA				STOBU				FR2.1	DP	DP	PRELU	heating Fig. 903	low pressure steam Fig. 904 Fig. 990	full lift BR 900	normal BR 920	full lift BR 940	normal BR 940	heating low press. steam BR 945 / BR 946	normal BR 950 / BR 960																					
		012	013	070-073	046	047	040	066	006	005	D-FR2.1																																		
Rules ● yes ○ in preparation	Figure No.	22.012	22.013	10.070 / .071 / .072 / .073	22.046	34.046	35.046	22.047	34.047	35.047	34.040	35.040 *	45.040	34.066	35.066	23.006	34.006	35.006	35.005*	45.005	12.440	23.440	35.440	55.440	23.441	35.441	55.441	701	903	904	990	901-912	901/911	921-924	921/923	941-943	941-943	945-946	951-963	961-963	Figure No.				
	DN	25-500	25-300	15-200	15-400	15-400	15-250	15-400	15-400	15-150	200-300	65-150	15-50	15-300	15-150	15-175	15-400	15-200	65-200	15-50	15-100	15-100	15-100	23-440	35-440	55-440	15-100	16-40	20-150	20-150	20-150	20-150	20-150	20-100	20-100	15-25	15-25	15-25	15-25	15-25	DN				
	PN	6-16	16	10-16	6	16	25	40	16	25	40	25	40	25	40	25	25	40	40	40	16	25	40	40	25	40	40	16-40	16-40	16	16	16-40	16-40	16-40	16-40	40	40	40	40	40	100	PN			
	No. of approval and certification	NG-4313AQ1489 / NW6201 AQ2024 / DIN DVGW Reg		TÜV Test marking 8/59	DIN-DVGW-Reg. NG-4313AO 0772	TÜ.A./TÜVAR.186-00 DIN DVGW Reg. NG-4314AO 0777	TÜ.A./TÜVAR.186-00 DIN DVGW Reg. NG-4314AO 0778	DIN DVGW-Reg. NG-4313AO 0771	TÜ.A./TÜVAR.186-00 DIN DVGW Reg. NG-4314AO 0773	TÜ.A./TÜVAR.186-00 DIN DVGW Reg. NG-4314AO 0774	TÜ.A./TÜVAR.186-00 DIN DVGW Reg. NG-4314AO 0777	TÜ.A./TÜVAR.186-00 DIN DVGW Reg. NG-4314AO 0778	TÜ.A./TÜVAR.186-00	TÜ.A./TÜVAR.186-00 DIN DVGW Reg. NG-4314AO 0775	TÜ.A./TÜVAR.186-00 DIN DVGW Reg. NG-4314AO 0776				Type test TÜ.A./TÜVAR.187-00		Ü-sign	P-440 DP-G see datasheet	P-440 DP-G see datasheet		TÜV · SV · ..-688 D/G/H	TÜV · SV · ..-689 D	TÜV · SV · ..-757 D	TÜV · SV · ..-663 D/G	TÜV · SV · ..-729 F	TÜV · SV · ..-811 D/G	TÜV · SV · ..-821 F	TÜV · SV · ..-995 D/G	TÜV · SV · ..-1005 F	TÜV · SV · ..-997 D/G/H	TÜV · SV · ..-997 D	TÜV · SV · ..-1041 D/G/F		No. of approval and certification							
Rules	TÜV-Test			●	●																																					TÜV-Test			
Stop valves for gas and water PN 4 till PN16	DIN EN 13774	●			●		●																																			DIN EN 13774	Stop valves for gas and water PN 4 till PN16		
Stop valves for gas above PN16	DIN EN 14141					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	DIN EN 14141	Stop valves for gas above PN16
Rules for type-testing of valves for gases and dangerous liquids	VdTUV-leaflet piping 1065					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	VdTUV-leaflet piping 1065	Rules for type-testing of valves for gases and dangerous liquids	
Technical conditions of delivery for valves	DIN 3230 T3/T5/T6					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	DIN 3230 T3/T5/T6	Technical conditions of delivery for valves	
Bodies of equipment parts	AD2000-A4					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	AD2000-A4	Bodies of equipment parts	
Control valves for water and steam	DIN 32730																				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	DIN 32730	Control valves for water and steam	
Automatic control valves	DIN 3394 T1																				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	DIN 3394 T1	Automatic control valves	
Control devices	DIN EN 13611																				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	DIN EN 13611	Control devices	
Automatic stopvalves for gasburner and gas appliances	DIN EN 161																				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	DIN EN 161	Automatic stopvalves for gasburner and gas appliances	
Safety appliances against excess pressure - safety valves	AD2000-A2																																									AD2000-A2	Safety appliances against excess pressure - safety valves		
Safety appliances against excess pressure - for steamboilers group IV	TRD 421																																									TRD 421	Safety appliances against excess pressure - for steamboilers group IV		
Safety appliances against excess pressure - for steamboilers group II	TRD 721																																									TRD 721	Safety appliances against excess pressure - for steamboilers group II		
Rules for type-testing of safety appliances against excess pressure	VdTUV-leaflet safety valve 100																																										VdTUV-leaflet safety valve 100	Rules for type-testing of safety appliances against excess pressure	
Plastics and elastics in safety valves - Elastics	VdTUV-leaflet safety valve. 100/4																																										VdTUV-leaflet safety valve. 100/4	Plastics and elastics in safety valves - Elastics	
Safety devices for protection against excessive pressure - Safety valves	DIN EN ISO 4126-1																																										DIN EN ISO 4126-1	Safety devices for protection against excessive pressure - Safety valves	
Codes of practice for drinking water installation	DIN 1988 T2																																										DIN 1988 T2	Codes of practice for drinking water installation	
Technical rules for clean air	TA - Air ¹⁾²⁾					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	TA - Air ¹⁾²⁾	Technical rules for clean air
List of type-test valves	VdTUV-leaflet 1000					●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	VdTUV-leaflet 1000	List of type-test valves
Pressure Equipment Directive	97 / 23 / EC	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	97 / 23 / EC	Pressure Equipment Directive
ASME Code Section VIII-Division 1 / National Board	ASME UV-stamp /NB																																										ASME UV-stamp /NB	ASME Code Section VIII-Division 1 / National Board	
Type approved list for machining material	VdTUV-leaflet material 1253/2																																										VdTUV-leaflet material 1253/2	Type approved list for machining material	
Bodies from equipment	TRB 801 Annex II No. 45																																										TRB 801 Annex II No. 45	Bodies from equipment	

List of our licences of Acceptance- and Classification-associations and Technical observance association (TÜV)

LRQA - Lloyd`s Register Quality Assurance DIN EN ISO 9001	- Certification-No. 912458
LR - Lloyd`s Register of Shipping Rules Part 5	- Company classification QAM 034 for self-proved acceptance and certification
DNV - Det Norske Veritas according to DIN EN ISO 9001 (Norway)	- Company classification MSA No. R-1689 for self-proved acceptance and certification
GL - German Lloyd according to DIN EN ISO 9001	- Company classification No. GL-EP 54618-90 HH for self-proved acceptance and certification
RS Russian Maritime Register of Shipping according to DIN EN ISO 9001	- Company classification No. 97.015.250 for self-proved acceptance and certification
BV - Bureau Veritas Mode II Survey according to DIN EN ISO 9001 (France)	- Company classification No. SMS II/ESN/481/1.C.O. single acceptance by BV-agent
UDT - URZAD DOZORU TECHNICZNEGO according to DIN EN ISO 9001 (Poland)	- Company classification No. EC-022-1/5 for self-proved acceptance, single acceptance and certification (only safety valves)
MBVTI - Müszaki Biztonsági Vizsgáló és Tanúsító Intézet according to DIN EN ISO 9001 (Hungary)	- Company classification No. 239/K20054/SZ2 for self-proved acceptance, single accept. and certification (only safety valves)
ABS - American Bureau of Shipping	- Single acceptance by ABS-agent
ITI - Institut Technické Inspekce Praha according to DIN EN ISO 9001 (Tschechien)	- Company classification No. 1-3/D/99/TZ for self-proved acceptance and certification (only safety valves)
SZU - Strojirenský zkušební ústav, Brno according to DIN EN ISO 9001 (Tschechien)	- Company classification No. B-32-01178-80/98 for self-proved acceptance and certification
TÜV - Technical observance association acc. to DIN EN 10204 -3.1 B QS-system = TRB 801 II 45	- Classification for acceptance and certification by ARI - expert
TÜV - Technical observance association	- Welding licence AD-leaflet HP 0 from 26.03.92 for full automatic welding
TÜV - Technical observance association	- Agreement to change stamps
TÜV - Technical observance association according to DIN EN 10204 - 3.1 B and 3.1 C	- Single acceptance by TÜV-agent
GOST according to DIN EN ISO 9001 (GUS-states)	- Company classification for self-proved acceptance Zert. No. POCC RU.0001.MII09
China-Licence according to DIN EN ISO 9001	- Company classification No. 02300T for self-proved acceptance and certification (only safety valves)
TSU according to DIN EN ISO 9001 (Slowakei)	- Company classification for self-proved acceptance and certification
Stoomwezen (Netherlands)	- Dimension sheet and TÜV-setting certificate for safety valves
ISPESL (Italy)	- Type classification by safety valves
Arbejdstilsynet - Dänischer Arbeitsschutz (Danmark)	- Type classification by safety valves
KRoS Korean Register of Shipping	- Type classification by safety valves
ISCIR Rumania	- Type classification by safety valves
ASME UV-stamp, ASME Code Section VIII-Division 1, National Board	- Certificate of Authorization No. 32,885 (only safety valves)
Further classifications	- on request



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GERMAN QUALITY VALVES