



MADE FOR THE **EXTREME**

QUADAX PREMIUM VALVES

QUADAX[®] DATA SHEET - EQ

WELD END DIMENSION & WEIGHT

DIN, EN, ISO PN 10-250 / ANSI class 150-1500

04

quadax.de

MADE FOR THE **EXTREME**

With manual gearbox FTF EN 558 R14 / API 609 Table 3a



GENERAL INFORMATION

Shut-off valve:	4-Offset (TOV upgradet)
Seal:	Metal
Pressure ratings:	PN 10 – 250 / ANSI 150 – 1500
Nominal diameters:	DN 50 – 1800, NPS 2" – 72"
Temperatures:	-270°C to +800°C
Face-to-face length	EN 558, API 609, ISO 5752, B16.10;
Housing materials:	Steel, stainless steel, brass, special steels e.g. Monel, Duplex, Hastelloy...

DETAILS / CONSTRUCTION / STRUCTURE

Flanges according to DIN EN 1092 in PN 10/16/25/40/63/100/160/250

Flanges according to ANSI B16.5, 150/300/600/900/1500/ASME 16.34

4-OFFSET, round seat and sealing geometry, OCT

Torque-sealing function, open/close, control, ESD function

Cone to cone, jam and friction-free

QUADAX standard TRIM is "full rated"

Special version REDUCED TRIM,

Δp A=20 bar, X=52, B=102, C=160

One-piece body with ISO 5211 mounting flange

Body seat standard Inconel 625 hardened

Optional Stellite 21

Bearing protector

Seal ring as graphite or all metal lamella, Inconel O-ring, ball shape

Blowout-proof, one-piece shaft (API 609)

Face-to-face length according to EN 558-1 R13, 14

API 609 T2, ISO 5752, API 609 Table 3a oder ANSI B16.10

TA Air 2021, ISO 15848-1&2, API 641, EPA-21

CE / PED, Firesafe, ATEX Zone 1, S.I.L., ISO 9001, ISO 5211, CRN, EAC; TSG

Test standards EN 12266-1; API 598, ISO 5208, API 6D, BS 6436, EN 16668; ISO 28921, FCI 70-2

Horizontal shaft orientation (recommended)

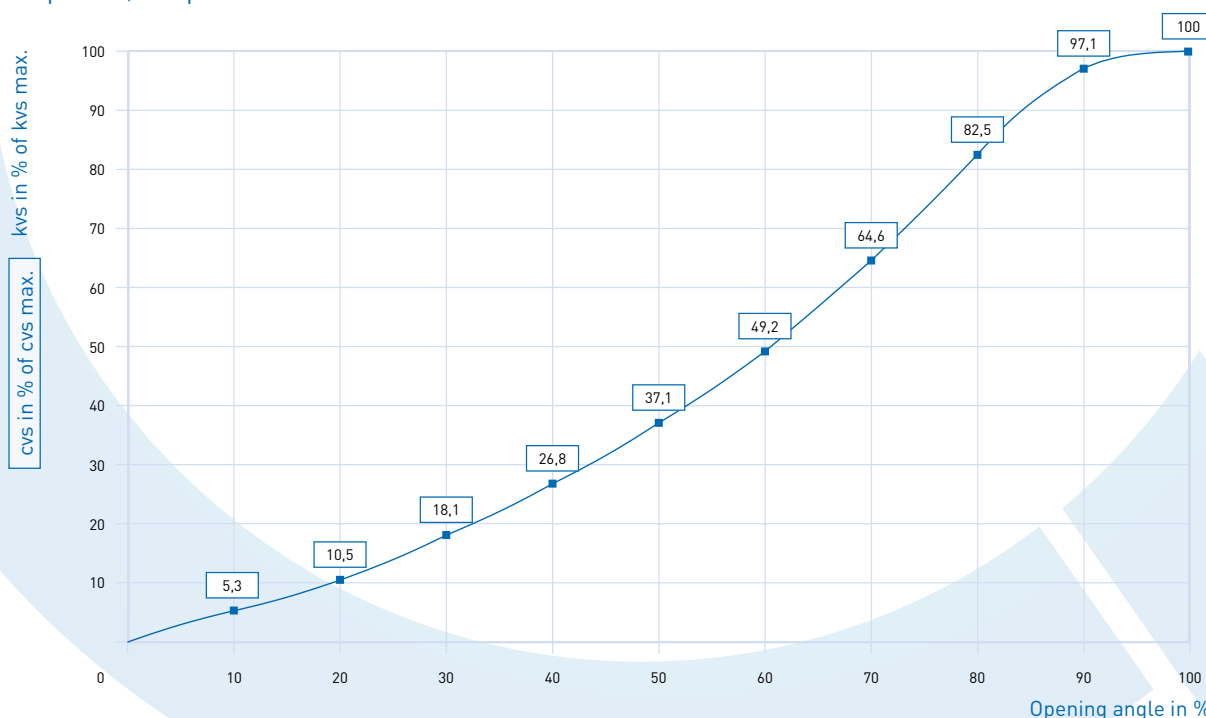
Corrosion protection min C1 – C5M

kvs curve

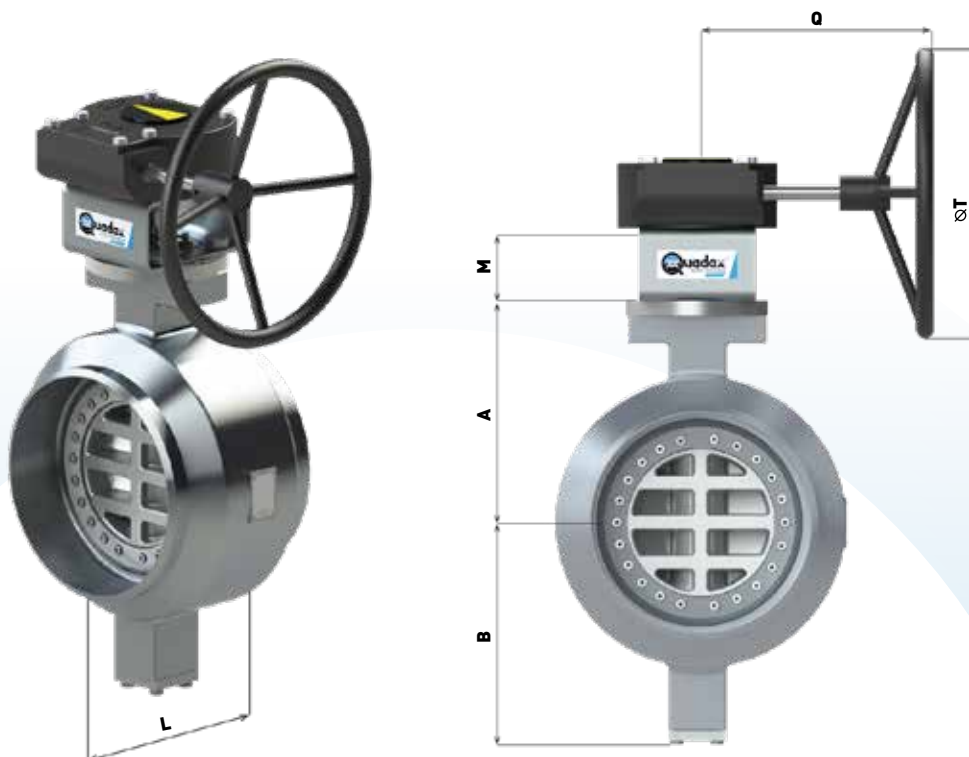
Flow measurement with water at
 Δp 1 bar, temperature 20 °C

cvs curve

Flow measurement with water at
 Δp 14.5 psi, temperature 68 °F



With manual gearbox FTF EN 558 R14 / API 609 Table 3a



Trim X/A, all dimensions in mm, weights in kg

	DN	ND	PN 10/16 ANSI 150				PN 10				PN 16				ANSI 150			
			A	B	F	M	L	Q	T	Gewicht	L	Q	T	Gewicht	L	Q	T	Gewicht
Trim X	50	2"	105	109	F07	60	150	158	200	12	150	158	200	12	150	158	200	12
	65	2.5"	128	132	F07	60	180	217	200	19	180	217	200	19	180	217	200	19
	80	3"	128	132	F07	60	180	217	200	19	180	217	200	19	180	217	200	19
	100	4"	162	161	F10	80	190	217	200	24	190	217	200	24	190	217	200	24
	125	5"	190	189	F12	80	200	217	200	34	200	217	200	34	200	217	200	34
	150	6"	203	207	F14	80	210	282	300	50	210	282	300	50	210	282	300	50
	200	8"	240	244	F16	100	230	282	300	70	230	282	300	70	230	282	300	70
	250	10"	279	284	F16	100	250	282	300	107	250	285	400	114	250	305	500	115
Trim A	300	12"	305	310	F16	100	270	285	400	121	270	305	500	122	270	346	500	130
	350	14"	320	325	F16	100	290	346	500	156	290	346	700	158	290	346	700	158
	400	16"	345	356	F25	200	310	346	500	228	310	346	700	230	310	348	500	230
	450	18"	373	384	F25	200	330	346	700	273	330	348	500	273	330	348	700	275
	500	20"	397	408	F25	200	350	348	500	307	350	348	700	309	350	417	500	325
	600	24"	482	483	F30	200	390	417	500	478	390	417	700	480	390	417	700	480
	700	28"	580	594	F35	200	430	430	700	591	430	470	800	608	430	470	800	608
	750	30"	580	594	F35	200	470	430	700	813	470	470	800	830	470	470	800	830
	800	32"	660	673	F35	200	470	470	800	843	470	470	800	844	470	470	800	844
	900	36"	730	744	F35	200	510	491	500	1025	510	491	800	1028	510	491	800	1028
	1000	40"	817	833	F40	200	550	491	800	1416	550	491	800	1416	550	541	900	1504

Subject to technical modifications

With manual gearbox FTF EN 558 R14 / API 609 Table 3a

Trim X, all dimensions in mm, weights in kg																	
		EN558-1R14 PN 25/40 ANSI 300				PN 25				PN 40				ANSI 300			
DN	ND	A	B	F	M	L	Q	T	Gewicht	L	Q	T	Gewicht	L	Q	T	Gewicht
50	2"	105	109	F07	60	150	158	200	12	150	158	200	12	150	158	200	12
65	2,5"	128	132	F07	60	180	217	200	19	180	217	200	19	180	217	200	19
80	3"	128	132	F07	60	180	217	200	19	180	217	200	19	180	217	200	19
100	4"	162	161	F10	80	190	217	200	24	190	217	200	24	190	217	200	24
125	5"	190	189	F12	80	200	217	200	34	200	217	200	34	200	237	200	44
150	6"	203	207	F14	80	210	282	300	50	210	311	300	64	210	311	300	64
200	8"	240	244	F16	100	230	285	400	77	230	326	400	85	230	-	-	-
250	10"	279	284	F16	100	250	305	500	115	250	348	500	125	250	348	500	125
300	12"	305	310	F16	100	270	346	500	149	270	346	700	151	270	348	500	151
350	14"	325	336	F25	200	290	348	500	213	290	348	700	215	290	417	500	231
400	16"	385	386	F30	200	310	348	700	277	310	417	500	293	310	417	700	295
450	18"	405	406	F30	200	330	417	500	313	330	417	700	315	330	417	700	315
500	20"	440	444	F35	200	350	417	500	408	350	417	700	410	350	430	700	420
600	24"	530	544	F35	200	390	430	700	618	390	470	800	635	390	470	800	636
700	28"	630	646	F40	200	430	491	500	1004	430	491	800	1007	430	491	800	1007
750	30"	630	646	F40	200	470	491	500	1044	470	491	800	1047	470	491	800	1047
800	32"	700	716	F40	200	470	491	800	1248	470	541	900	1336	470	-	-	-
900	36"	830	836	F48	200	510	541	900	1723	510	-	-	-	510	-	-	-
1000	40"	920	929	F48	-	550	-	-	-	550	-	-	-	550	-	-	-

Subject to technical modifications

Trim C/B, all dimensions in mm, weights in kg																		
EN558-1R14 PN 63/100 ANSI 600						PN 63				PN 100				ANSI 600				
DN	ND	A	B	F	M	L	Q	T	Gewicht	L	Q	T	Gewicht	L	Q	T	Gewicht	
Trim C	80	3"	143	139	F14	80	180	217	200	22	180	278	200	41	180	217	200	22
	100	4"	170	176	F14	80	190	278	200	49	190	-	-	-	190	217	200	29
	150	6"	203	205	F16	100	210	313	300	76	210	382	300	91	210	-	-	-
Trim B	200	8"	255	259	F16	100	230	397	400	117	230	397	400	117	230	-	-	-
	250	10"	279	287	F25	200	250	417	500	178	250	430	500	188	250	348	500	147
	300	12"	335	343	F30	200	270	417	500	246	270	417	700	248	270	348	700	215
	350	14"	368	389	F35	200	290	417	700	325	290	470	800	352	290	417	700	307
	400	16"	435	446	F35	200	310	470	800	451	310	-	-	-	310	430	700	418
	450	18"	415	406	F40	200	330	470	800	455	330	-	-	-	330	430	700	407
	500	20"	528	541	F40	200	350	491	500	685	350	491	800	688	350	470	800	596
	600	24"	596	609	F40	200	390	491	800	918	390	-	-	-	390	470	800	827

Subject to technical modifications