



MADE FOR THE **EXTREME**

QUADAX PREMIUM VALVES

QUADAX[®] DATA SHEET - EQ

GATE VALVE REPLACEMENT DIMENSION & WEIGHT

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

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quadax.de

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With manual gearbox FTF ANSI B16.10
Flange according to ASME B16.5 _ 16.34



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 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)

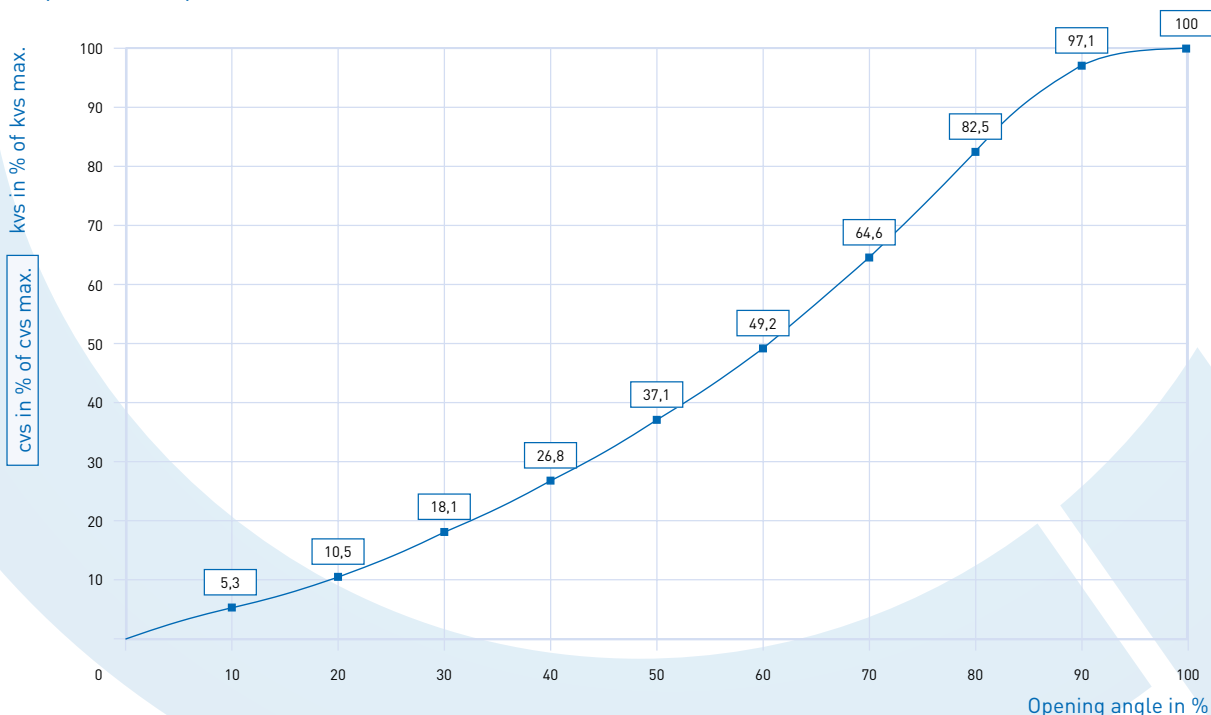
Corrosion protection min C1 – C5M

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



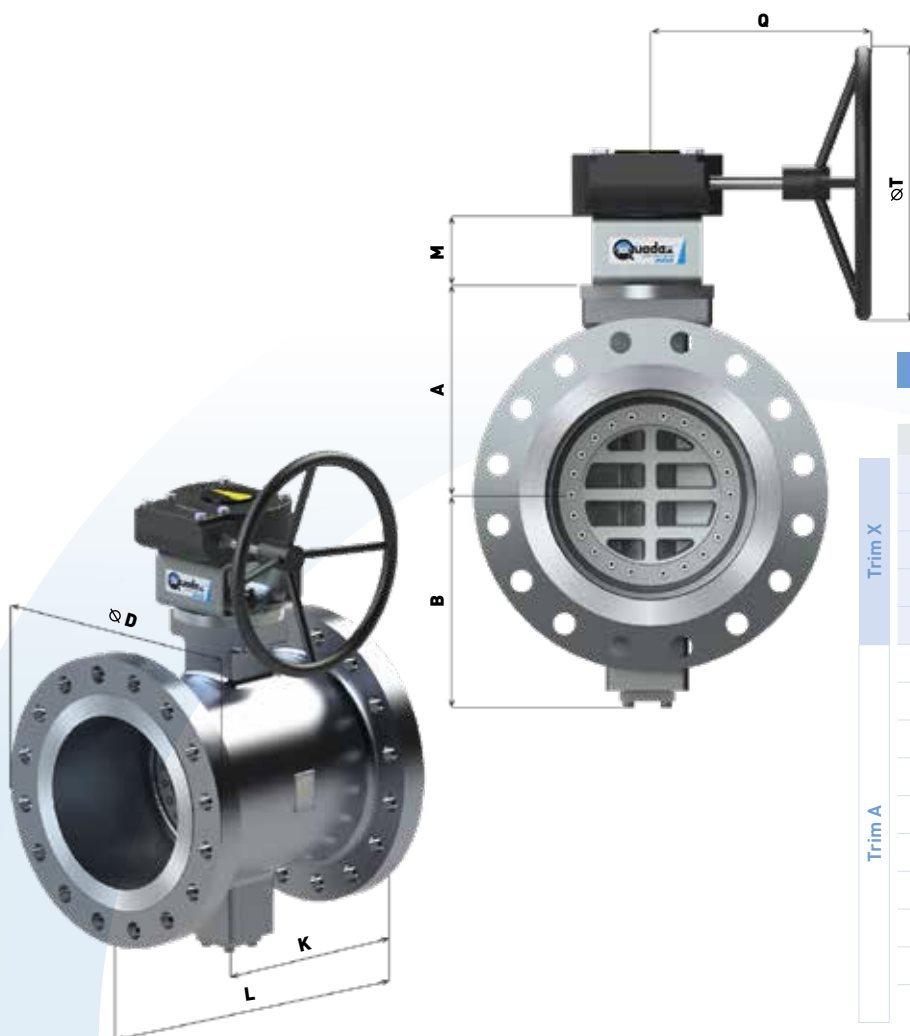
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Trim X/A, all dimensions in mm, weights in kg

ND	ANSI 150									
	A	B	F	M	L	K	D	Q	T	Gewicht
3"	128	132	F07	60	203	101	190	217	200	26
4"	162	161	F10	80	229	114	230	217	200	37
6"	203	207	F14	80	267	125	280	282	300	63
8"	240	244	F16	100	292	134	352	282	300	97
10"	279	284	F16	100	330	151	405	305	500	146
12"	305	310	F16	100	356	168	485	346	500	205
14"	320	325	F16	100	381	176	550	346	700	280
16"	345	356	F25	200	406	190	590	348	500	350
18"	373	384	F25	200	432	216	640	348	700	402
20"	397	408	F25	200	457	228	700	417	500	529
24"	482	483	F30	200	508	254	815	417	700	711
28"	580	594	F35	200	610	305	927	470	800	1021
30"	580	594	F35	200	610	305	985	470	800	1288
32"	660	673	F35	200	660	330	1060	470	800	1406
36"	730	744	F35	200	711	355	1168	491	800	1984

Subject to technical modifications

Trim X, all dimensions in mm, weights in kg

ND	ANSI 300									
	A	B	F	M	L	K	D	Q	T	Gewicht
3"	128	132	F07	60	282	102	210	217	200	32
4"	162	161	F10	80	305	110	254	217	200	49
6"	203	207	F14	80	403	125	320	311	300	102
8"	240	244	F16	-	419	134	380	-	-	-
10"	279	284	F16	100	457	151	445	348	500	212
12"	305	310	F16	100	502	168	515	348	500	276
14"	325	336	F25	200	762	176	585	417	500	496
16"	385	386	F30	200	838	190	660	417	700	659
18"	405	406	F30	200	914	217	710	417	700	793
20"	440	444	F35	200	991	240	770	430	700	1038
24"	530	544	F35	200	1143	290	908	470	800	1595
28"	630	646	F40	200	1346	345	1035	491	800	2130
30"	630	646	F40	200	1397	375	1090	491	800	2597
32"	700	716	F40	-	1524	395	1149	-	-	-
36"	830	836	F48	-	1727	445	1270	-	-	-

Subject to technical modifications

Trim C/B, all dimensions in mm, weights in kg

ND	ANSI 600									
	A	B	F	M	L	K	D	Q	T	Gewicht
3"	143	139	F14	-	384	103	210	-	-	-
4"	170	176	F14	-	462	111	273	-	-	-
6"	203	205	F16	100	559	153	355	382	300	158
8"	255	257	F16	100	660	165	420	397	400	230
10"	279	287	F25	200	787	196	508	430	500	380
12"	335	343	F30	200	838	194	560	417	700	548
14"	368	389	F35	200	889	207	605	470	800	690
16"	435	446	F35	200	991	283	685	470	800	1001
18"	415	406	F40	200	1092	240	745	491	800	1153
20"	528	541	F40	200	1194	251	815	491	800	1449
24"	596	609	F40	-	1397	299	940	-	-	-

Subject to technical modifications