



MADE FOR THE **EXTREME**

QUADAX PREMIUM VALVES

QUADAX[®] DATA SHEET - EQ
LUG TYPE DIMENSION & WEIGHT

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

02

quadax.de

MADE FOR THE **EXTREME**

With manual gearbox FTF EN 558 R16 / API 609 Table 3a
Flange according to EN 12516 / 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 EN 558-1 R13, 14

API 609 T2, ISO 5752, API 609 Table 3a

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)

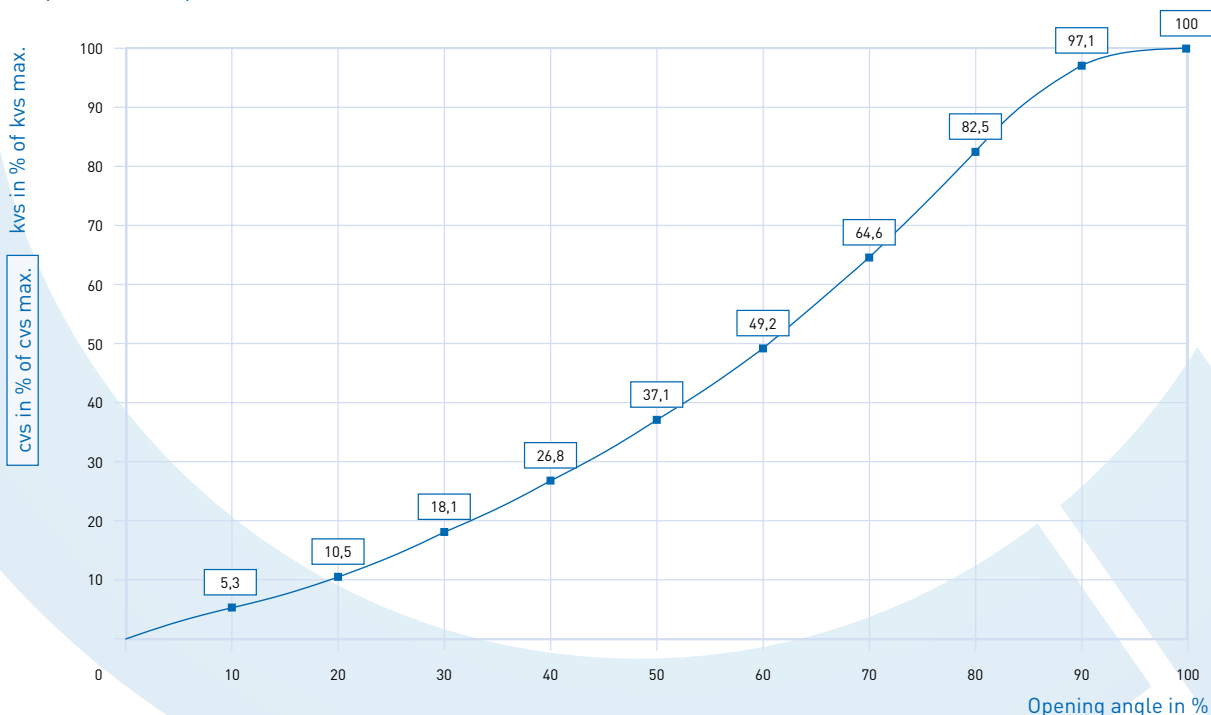
Corrosion protection min C1 – C5M

kvs curve

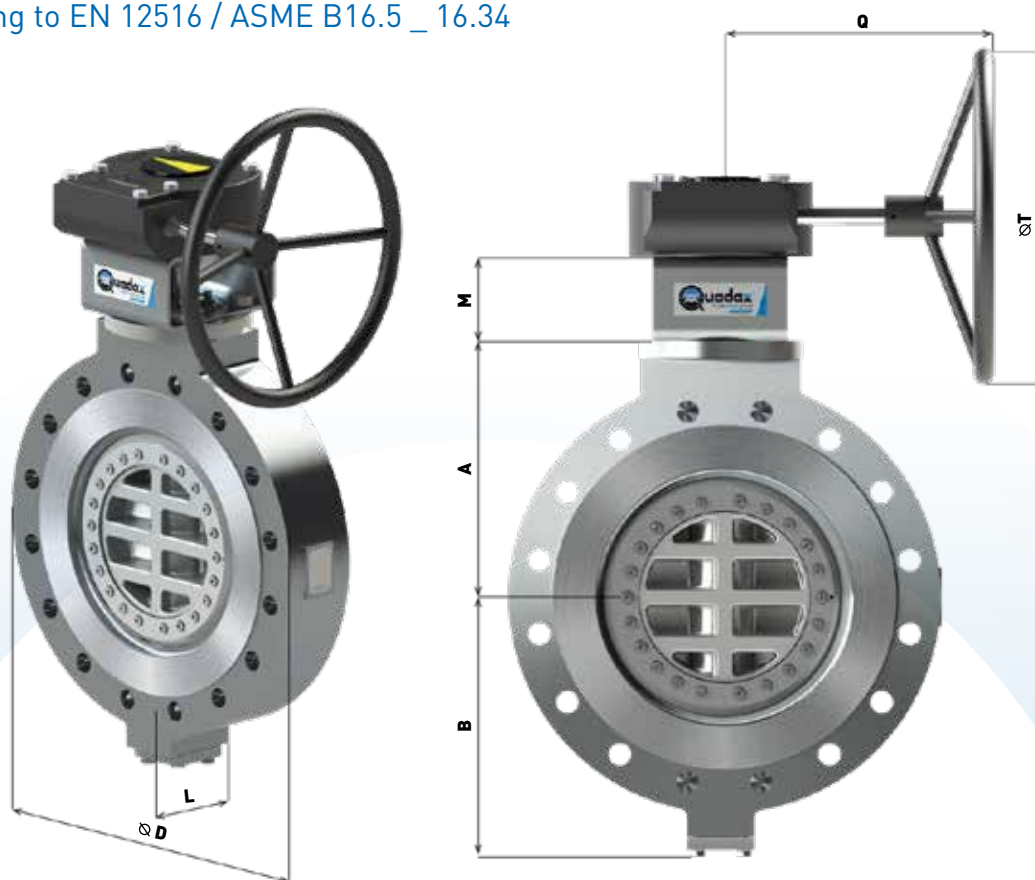
Flow measurement with water at
 Δp 1 bar, temperature 20 °C

cvs curve

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



With manual gearbox FTF EN 558 R16 / API 609 Table 3a
Flange according to EN 12516 / ASME B16.5 _ 16.34



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

		PN 10/16 ANSI 150				PN 10					PN 16					ANSI 150					
		A	B	F	M	L	D	Q	T	Gewicht	L	D	Q	T	Gewicht	L	D	Q	T	Gewicht	
Trim X	DN	ND	105	109	F07	60	44	165	158	200	12	44	165	158	200	12	44	165	158	200	13
	65	2,5"	128	132	F07	60	64	200	217	200	22	64	200	217	200	22	48	190	217	200	18
	80	3"	128	132	F07	60	64	200	217	200	22	64	200	217	200	22	48	190	217	200	18
	100	4"	162	161	F10	80	64	230	217	200	29	64	230	217	200	29	54	230	217	200	26
	125	5"	190	189	F12	80	70	250	217	200	36	70	250	217	200	36	58	254	217	200	33
	150	6"	203	207	F14	80	76	295	282	300	52	76	295	282	300	52	57	280	282	300	44
	200	8"	240	244	F16	100	89	352	282	300	77	89	352	282	300	77	64	352	282	300	66
	250	10"	279	284	F16	100	114	405	282	300	117	114	405	285	400	123	71	405	305	500	97
Trim A	300	12"	305	310	F16	100	114	455	285	400	138	114	455	305	500	137	81	485	346	500	136
	350	14"	320	325	F16	100	127	515	346	500	195	127	515	346	700	195	92	550	346	700	182
	400	16"	345	356	F25	200	140	565	346	500	264	140	590	346	700	285	102	590	348	500	240
	450	18"	373	384	F25	200	149	615	346	700	311	149	640	348	500	333	114	640	348	700	289
	500	20"	397	408	F25	200	152	670	348	500	348	152	725	348	700	406	127	700	417	500	359
	600	24"	482	483	F30	200	178	780	417	500	531	178	845	417	700	629	154	815	417	700	540
	700	28"	580	594	F35	200	229	895	430	700	860	229	910	470	800	906	229	925	470	800	937
	750	30"	580	594	F35	200	241	970	430	700	1088	241	970	470	800	1103	241	985	470	800	1116
	800	32"	660	673	F35	200	241	1085	470	800	1363	241	1085	470	800	1377	241	1060	470	800	1306
	900	36"	730	744	F35	200	241	1115	491	500	1422	241	1125	491	800	1453	241	1170	491	800	1583
1000	40"	817	833	F40	200	300	1255	491	800	2120	300	1255	491	800	2118	300	1290	541	900	2351	

Subject to technical modifications

With manual gearbox FTF EN 558 R16 / API 609 Table 3a
Flange according to EN 12516 / ASME B16.5 _ 16.34

Trim X, all dimensions in mm, weights in kg																				
DN	ND	PN 25/40 ANSI 300				PN 25					PN 40					ANSI 300				
		A	B	F	M	L	D	Q	T	Gewicht	L	D	Q	T	Gewicht	L	D	Q	T	Gewicht
50	2"	105	109	F07	60	44	165	158	200	12	44	165	158	200	12	44	165	158	200	12
65	2,5"	128	132	F07	60	64	200	217	200	22	64	200	217	200	22	48	210	217	200	19
80	3"	128	132	F07	60	64	200	217	200	22	64	200	217	200	22	48	210	217	200	19
100	4"	162	161	F10	80	64	230	217	200	28	64	230	217	200	28	54	254	217	200	28
125	5"	190	189	F12	80	70	270	217	200	39	70	270	217	200	39	58	280	237	200	46
150	6"	203	207	F14	80	76	295	282	300	53	76	295	311	300	67	59	320	311	300	65
200	8"	240	244	F16	100	89	352	285	400	83	89	375	326	400	97	73	380	-	-	-
250	10"	279	284	F16	100	114	425	305	500	132	114	450	348	500	153	83	445	348	500	126
300	12"	305	310	F16	100	114	485	346	500	165	114	515	346	700	183	92	515	348	500	160
350	14"	325	336	F25	200	127	550	348	500	244	127	585	348	700	269	117	585	417	500	274
400	16"	385	386	F30	200	140	620	348	700	333	140	660	417	500	384	133	660	417	700	376
450	18"	405	406	F30	200	149	680	417	500	410	149	680	417	700	416	149	710	417	700	446
500	20"	440	444	F35	200	152	725	417	500	487	152	770	417	700	540	159	770	430	700	568
600	24"	530	544	F35	200	178	845	430	700	729	178	908	470	800	828	181	908	470	800	858
700	28"	630	646	F40	200	229	960	491	500	1216	229	995	491	800	1291	229	1035	491	800	1408
750	30"	630	646	F40	200	241	1020	491	500	1395	241	1080	491	800	1534	241	1090	491	800	1526
800	32"	700	716	F40	200	241	1085	491	800	1526	241	1140	541	900	1770	241	1150	-	-	-
900	36"	830	836	F48	200	241	1185	541	900	2079	241	1250	-	-	-	241	1270	-	-	-
1000	40"	920	929	F48	-	300	1320	-	-	-	300	1360	-	-	-	300	1240	-	-	-

Subject to technical modifications

Trim C/B, all dimensions in mm, weights in kg																				
DN	ND	PN 63/100 ANSI 600				PN 63					PN 100					ANSI 600				
		A	B	F	M	L	D	Q	T	Gewicht	L	D	Q	T	Gewicht	L	D	Q	T	Gewicht
100	4"	170	176	F14	80	64	275	278	200	54	64	275	-	-	-	64	275	-	-	-
150	6"	203	205	F16	100	78	355	313	300	87	78	355	382	300	102	78	355	382	300	102
200	8"	255	257	F16	100	102	430	397	400	148	102	430	397	400	148	102	430	397	400	146
250	10"	279	287	F25	200	117	508	417	500	226	117	508	430	500	236	117	508	430	500	238
300	12"	335	343	F30	200	140	585	417	500	329	140	585	417	700	331	140	585	417	700	315
350	14"	368	389	F35	200	155	655	417	700	432	155	655	470	800	459	155	655	470	800	468
400	16"	435	446	F35	200	178	715	470	800	608	178	715	-	-	-	178	715	470	800	606
450	18"	415	406	F40	200	-	-	-	-	-	-	-	-	-	-	200	745	491	800	763
500	20"	528	541	F40	200	216	870	491	500	1071	216	870	491	800	1074	216	870	491	800	1073
600	24"	596	609	F40	200	232	940	491	800	1312	-	-	-	-	-	232	940	-	-	-

Subject to technical modifications