



GRC

2-WAY HIGH PRESSURE BALL VALVES

Edition. 21.3

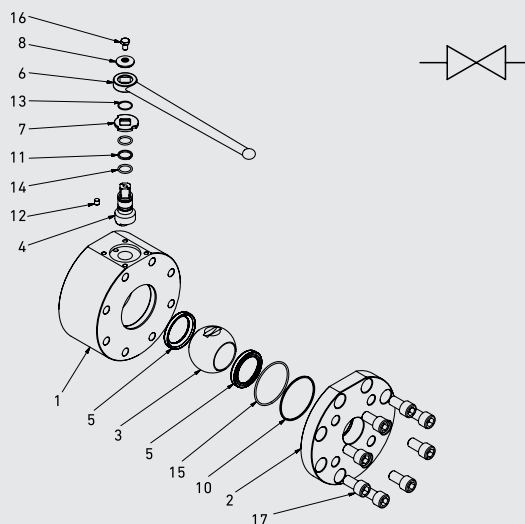
CS Carbon Steel

- Type: ball valve 2 way
- Sizes: from DN25 up to DN125
- Ends: ISO6164 (CETOP)
- Pressure: up to PN420 / S6000
- Temp range: -20°C to +100°C
- Treatment: Galvanized

SS Stainless Steel

- Type: ball valve 2 way
- Sizes: from DN25 up to DN125
- Ends: ISO6164 (CETOP)
- Pressure: up to PN420 / S6000
- Temp range: -30°C to +100°C

STANDARD COMPOSITION OF VALVE



			CS Carbon Steel	SS Stainless Steel
POS	DESCRIPTION	Q.TY	MATERIAL	
1	Body	1	1,0570	1,4404
2	Flange	1	1,0570	1,4404
3	Ball	1	1,0570	1,4404
4	Stem	1	1,4542	1,4542
5	Seat	2	POM	POM
6	Handle	1	1 ,0116	1,0116
7	Washer	1	1 ,0116	1 ,0116
8	Washer	1	1 ,0116	1 ,0116
9	Flange Back-Up	1	PTFE	PTFE
10	Stem Back-Up	1	PTFE	PTFE
11	Stem Ring	1	PTFE	PTFE
12	Pin	1	1,0737	1,4404
13	Flange o-ring	1	NBR	NBR
14	Stem o-ring	2	NBR	NBR
15	Seeger	1	1,4404	1,4404
16	T.C.E.I. Screw	8	DIN6921 8.8	ISO4762 A4
17	T.E. Screw	1	DIN6921 8.8	ISO4762 A4



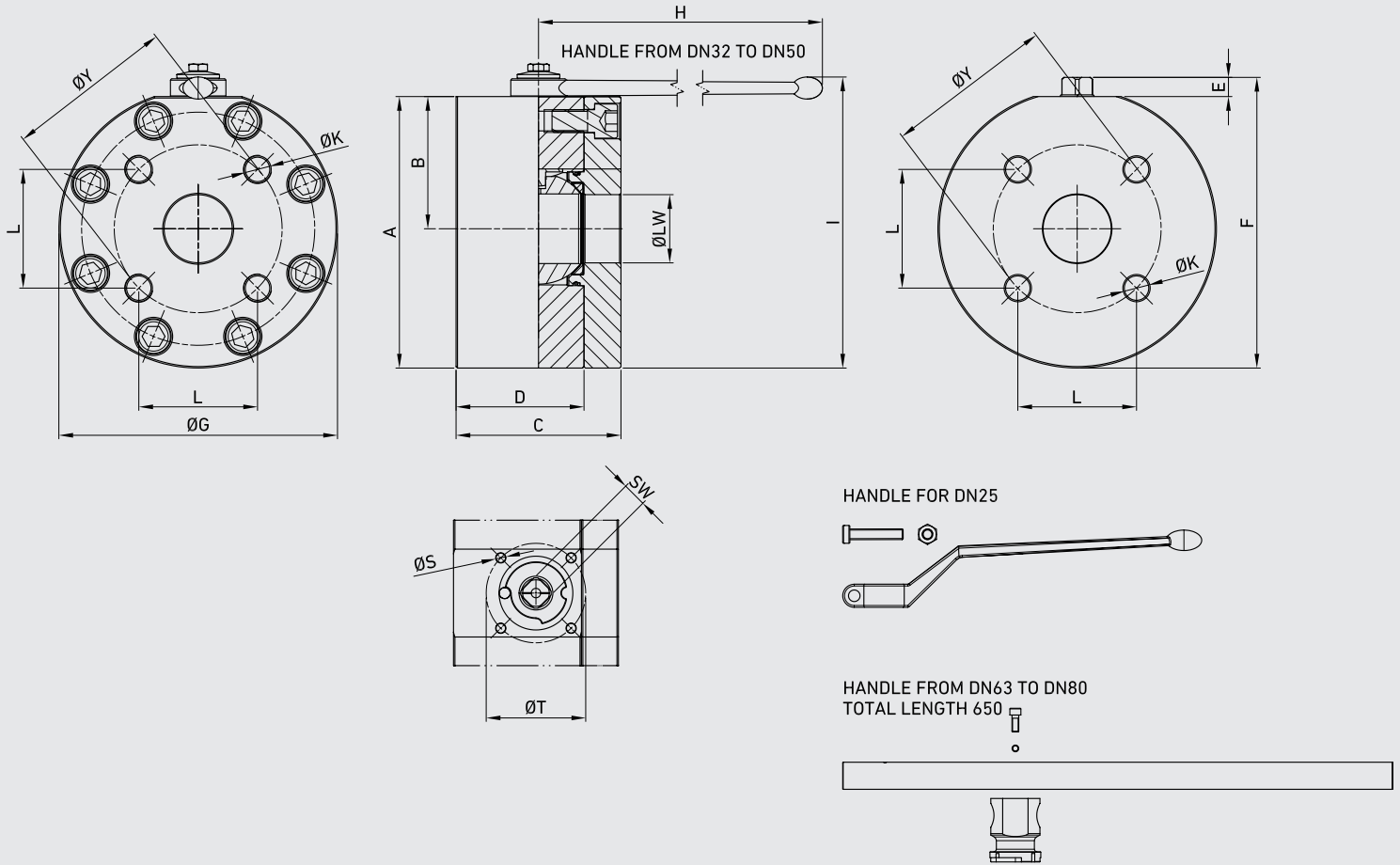
CODE DESCRIPTION STRUCTURE

	GRC	250	DN50	2	2	M	2	A	B
Type and way of valve									
GRC 2-way									
Ends									
VALVE DIMENSION OF PRESSURE (PSI)									
PN250									
PN350									
PN400									
Size									
from DN25 to DN125									
Body Material									
● 2 = 1,0570									
● 4 = 1,4404									
Adapter material									
● 2 = 1,0570									
● 4 = 1,4404									
Stem material									
● M=1,4542									
● M=1,4542									
Ball Material									
● 2 = 1,0570 4 = 1,4404*									
● 4 = 1,4404									
Seat material									
A = POM D = PEEK* G = PA612* K = GEMPTFE* C = PTFE*									
Seal material									
B = NBR E = FKM* F = EPDM* L = MVQ*									

*On request

- Reduced bore
- Special threads
- Pressure class up to PN40 Mpa
- Pneumatic and electrical actuator
- Locking device

For further special requests please consult our technical/commercial service.



GRC CETOP250 ISO6164

GRC CETOP250 ISO6164																				CS Carbon Steel		SS Stainless Steel		
TYPE	DN	PN	A	B	C	D	E	F	ØG	H	I	L	ØK	ØT	ØS	ØY	ISO5211	SW	ØLW	WEIGHT	ITEM CODE			
GRC250	25	MPa 25	mm	98,5	39,5	88,5	69	14	112,5	118	180	143	43,8	4xM10	50	M6	62	F05	14	25	kg	6,5	GR2CTT52022A000	GR2CTT52044A000
		Psi 3625	inch	3,88	1,56	3,48	2,72	0,55	4,43	4,65	7,09	5,63	1,72	4xM10	1,97	M6	2,44	F05	0,55	0,98	lb	14,33		
GRC250	32	MPa 25	mm	144	71	100	73	14	158	145	300	163	51,6	4xM12	50	M6	73	F05	17	32	kg	11,9	GR2CTT6202PA000	GR2CTT6204NA000
		Psi 3625	inch	5,67	2,80	3,94	2,87	0,55	6,22	5,71	11,81	6,42	2,03	4xM12	1,97	M6	2,87	F05	0,67	1,26	lb	26,23		
GRC250	38	MPa 25	mm	160,5	78	110	80	14	174,5	165	300	180	60,1	4xM16	50	M6	85	F05	17	38	kg	16,7	GR2CTT7202PA000	GR2CTT7204NA000
		Psi 3625	inch	6,32	3,07	4,33	3,15	0,55	6,87	6,50	11,81	7,09	2,37	4xM16	1,97	M6	3,35	F05	0,67	1,50	lb	36,82		
GRC250	51	MPa 25	mm	191	93	116	90	14	205	196	300	205	69,3	4xM16	70	M8	98	F07	17	47	kg	24,5	GR2CTT8202PA000	GR2CTT8204NA000
		Psi 3625	inch	7,52	3,66	4,57	3,54	0,55	8,07	7,72	11,81	8,07	2,73	4xM16	2,76	M8	3,86	F07	0,67	1,85	lb	54,01		
GRC250	56	MPa 25	mm	194,5	93	150	107	14	208,5	203	300	212	83,4	4xM20	70	M8	118	F07	17	58	kg	32,9	GR2CTT9202PA000	GR2CTT9204NA000
		Psi 3625	inch	7,66	3,66	5,91	4,21	0,55	8,21	7,99	11,81	8,35	3,28	4xM20	2,76	M8	4,65	F07	0,67	2,28	lb	72,53		
GRC250	63	MPa 25	mm	203	98	150	107	19	222	210	600	272	102,5	4xM20	70	M8	145	F07	19	70	kg	35,1	GR2CTTA202PA000	GR2CTTA204NA000
		Psi 3625	inch	7,99	3,86	5,91	4,21	0,75	8,74	8,27	23,62	10,71	4,04	4xM20	2,76	M8	5,71	F07	0,75	2,76	lb	77,38		
GRC250	100	MPa 25	mm	251	122	200	147	27	278	258	650	324,5	113,2	4xM24	102	M10	160,1	F10	24	90	kg	67,6	GR2CTTB202PA000	GR2CTTB204NA000
		Psi 3625	inch	9,88	4,80	7,87	5,79	1,06	10,94	10,16	25,59	12,78	4,46	4xM24	4,02	M10	6,30	F10	0,94	3,54	lb	149,03		

GRC CETOP350 ISO6164

GRC CETOP350 ISO6164																					CS	SS		
																					Carbon Steel	Stainless Steel		
TYPE	DN	PN	A	B	C	D	E	F	ØG	H	I	L	ØK	ØT	ØS	ØY	ISO5211	SW	ØLW	WEIGHT	ITEM CODE			
GRC350	25	MPa 35	mm	102,5	39,5	88	69	14	117	118	180	143	50,9	4xM12	50	M6	72	F05	14	25	kg	7,2	GR2CTT53022A000	GR2CTT53044A000
		Psi 5075	inch	4,04	1,56	3,46	2,72	0,55	4,61	4,65	7,09	5,63	2,00	1,97	1,97	2,83	F05	0,55	0,98	lb	15,87			
GRC350	32	MPa 35	mm	141	68	105	75,5	14	158	145	300	162	56,6	4xM16	50	M6	80	F05	17	32	kg	12,5	GR2CTT6302PA000	GR2CTT6304NA000
		Psi 5075	inch	5,55	2,68	4,13	2,97	0,55	6,22	5,71	11,81	6,38	2,23	1,97	1,97	3,15	F05	0,67	1,26	lb	27,56			
GRC350	40	MPa 35	mm	161	78	110	80	14	178	165	300	180	69,5	4xM16	50	M6	98	F05	17	38	kg	16,6	GR2CTT7302PA000	GR2CTT7304NA000
		Psi 5075	inch	6,34	3,07	4,33	3,15	0,55	7,01	6,50	11,81	7,09	2,74	1,97	1,97	3,86	F05	0,67	1,50	lb	36,60			
GRC350	50	MPa 35	mm	191	93	116	90	14	205	196	300	205	83,5	4xM20	70	M8	118	F07	17	48	kg	24,4	GR2CTT8302PA000	GR2CTT8304NA000
		Psi 5075	inch	7,52	3,66	4,57	3,54	0,55	8,07	7,72	11,81	8,07	3,29	2,76	2,76	4,65	F07	0,67	1,89	lb	53,79			
GRC350	65	MPa 35	mm	202	98	150	107	19	221	208	600	262	102,5	4xM24	70	M8	145	F07	19	63	kg	34,4	GR2CTT9302PA000	GR2CTT9304NA000
		Psi 5075	inch	7,95	3,86	5,91	4,21	0,75	8,70	8,19	23,62	10,31	4,04	2,76	2,76	5,71	F07	0,75	2,48	lb	75,84			
GRC350	80	MPa 35	mm	207,5	100	150	107	22,5	230	215	600	280	123,7	4xM30	70	M8	175	F07	19	75	kg	36,5	GR2CTTA302PA000	GR2CTTA304NA000
		Psi 5075	inch	8,17	3,94	5,91	4,21	0,89	9,06	8,46	23,62	11,02	4,87	2,76	2,76	6,89	F07	0,75	2,95	lb	80,47			
GRC350	100	MPa 35	mm	251	122	200	147	27	278	258	600	325		8xM24	102	M10	200	F10	24	95	kg	66	GR2CTTB302PA000	GR2CTTB304NA000
		Psi 5075	inch	9,88	4,80	7,87	5,79	1,06	10,94	10,16	23,62	12,80	0,00	4,02	4,02	7,87	F10	0,94	3,74	lb	145,50			
GRC350	125	MPa 35	mm	303	148	220	170	32	330	310	900	389		8xM30	125	M12	245	F12	36	118	kg	109	GR2CTTC302PA000	GR2CTTC304NA000
		Psi 5075	inch	11,93	5,83	8,66	6,69	1,26	12,99	12,20	35,43	15,31	0,00	4,92	4,92	9,65	F12	1,42	4,65	lb	240,30			

GRC CETOP400 ISO6164

GRC CETOP400 ISO6164																						CS Carbon Steel		SS Stainless Steel	
TYPE	DN	PN	A	B	C	D	E	F	ØG	H	I	L	ØK	ØT	ØS	ØY	ISO5211	SW	ØLW	WEIGHT	ITEM CODE				
GRC400	25	MPa 40	mm	98,5	39,5	88	69	14	113	118	180	143	43,8	4xM10	50	M6	62	F05	14	25	kg	6,3	GR2CTT54022A000	GR2CTT54044A000	
		Psi 5800	inch	3,88	1,56	3,46	2,72	0,55	4,45	4,65	7,09	5,63	1,72	1,97	1,97	2,44	F05	0,55	0,98	lb	13,89				
GRC400	32	MPa 40	mm	143,5	71	100	73	14	162	145	300	162	51,6	4xM12	50	M6	73	F05	17	32	kg	12,2	GR2CTT6402PA000	GR2CTT6404NA000	
		Psi 5800	inch	5,65	2,80	3,94	2,87	0,55	6,38	5,71	11,81	6,38	2,03	1,97	1,97	2,87	F05	0,67	1,26	lb	26,90				
GRC400	38	MPa 40	mm	160	78	110	80	14	178,5	165	300	180	60,1	4xM16	50	M6	85	F05	17	38	kg	16,9	GR2CTT7402PA000	GR2CTT7404NA000	
		Psi 5800	inch	6,30	3,07	4,33	3,15	0,55	7,03	6,50	11,81	7,09	2,37	1,97	1,97	3,35	F05	0,67	1,50	lb	37,26				
GRC400	51	MPa 40	mm	191	93	116	90	14	205	196	300	205	69,3	4xM16	70	M8	98	F07	17	47	kg	24,7	GR2CTT8402PA000	GR2CTT8404NA000	
		Psi 5800	inch	7,52	3,66	4,57	3,54	0,55	8,07	7,72	11,81	8,07	2,73	2,76	2,76	3,86	F07	0,67	1,85	m	54,45				
GRC400	56	MPa 40	mm	192	93	150	107	14	206	203	300	208	83,4	4xM20	70	M8	118	F07	17	53	kg	32,855	GR2CTT9402PA000	GR2CTT9404NA000	
		Psi 5800	inch	7,56	3,66	5,91	4,21	0,55	8,11	7,99	11,81	8,19	3,28	2,76	2,76	4,65	F07	0,67	2,09	lb	72,43				
GRC400	63	MPa 40	mm	203	98	150	107	19	222	210	600	272	102,5	4xM24	70	M8	145	F07	19	70	kg	35,7	GR2CTTA402PA000	GR2CTTA404NA000	
		Psi 5800	inch	7,99	3,86	5,91	4,21	0,75	8,74	8,27	23,62	10,71	4,04	2,76	2,76	5,71	F07	0,75	2,76	lb	78,70				
GRC400	80	MPa 40	mm	251	122	170	132	27	278	258	600	325	123,7	4xM30	102	M10	175	F10	24	74	kg	61,5	GR2CTTB402PA000	GR2CTTB404NA000	
		Psi 5800	inch	9,88	4,80	6,69	5,20	1,06	10,94	10,16	23,62	12,80	4,87	4,02	4,02	6,89	F10	0,94	2,91	lb	135,58				