


**Application Specification**

1. GB12235-2007
2. GB12221-2005
3. JB/T79-20000
4. GB13927

1. Design & manufacture according to GB12235-2007
2. Face to face according to GB12221-2005
3. End flange dimension according to JB/T79-2000
4. Valve inspection and test according to GB13927

**Main Parts Material**

Body	Bonnet	Disc	Seat	Stem	Packing	Applicable medium	Applicable temperature
WCB	WCB	25+Stellite 12	25+D507Mo	2Cr13	Flexible graphite	Water / Steam / Oil	425
WC6	WC6	25Cr2Mo1VA+Stellite 12	25Cr2Mo1VA+Stellite6	25Cr2Mo1VA	Flexible graphite	Water / Steam / Oil	540
WC9	WC9	25Cr2Mo1VA+Stellite 12	25Cr2Mo1VA+Stellite6	25Cr2Mo1VA	Flexible graphite	Water / Steam / Oil	570
ZG1Cr18Ni9Ti	ZG1Cr18Ni9Ti	ZG1Cr18Ni9Ti	ZG1Cr18Ni9Ti	ZG1Cr18Ni9Ti	PTFE braiding	Corrosive medium like nitric acid	200
ZG1Cr18Ni12Mo2Ti	ZG1Cr18Ni12Mo2Ti	1Cr18Ni12Mo2Ti	1Cr18Ni12Mo2Ti	1Cr18Ni12Mo2Ti	PTFE braiding	Corrosive medium like acetic acid	200
ZG00Cr18Ni10	ZG00Cr18Ni10	00Cr18Ni10	00Cr18Ni10	00Cr18Ni10	PTFE braiding	strong oxidizability	200
ZG00Cr17Ni14Mo2	ZG00Cr17Ni14Mo2	00Cr17Ni14Mo2	00Cr17Ni14Mo2	00Cr17Ni14Mo2	PTFE braiding	Corrosive medium like urea	200

**1.6MPa Main Connection Dimensions and Weight**

Nominal Diameter	DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L	mm	130	150	160	180	200	230	290	310	350	400	480	600	650	750	850	950
H	mm	200	243	253	280	312	321	325	355	415	460	510	700	975	1115	1250	1380
D0	mm	120	140	140	160	200	220	260	280	300	350	450	500	550	600	700	800
(kg)Weight	kg	5	6.5	7	13.5	16	32	45	60	82	107	134	268	449	663	750	1170

**2.5MPa Main Connection Dimensions and Weight**

Nominal Diameter	DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L	mm	130	150	160	180	200	230	290	310	350	400	480	600	650	750	850	950
H	mm	200	243	253	280	312	321	325	355	415	460	510	700	975	1115	1250	1380
D0	mm	120	140	140	160	200	220	260	280	300	350	450	500	550	600	700	850
(kg)Weight	kg	5	6.5	7	13.5	16	32	45	60	84	110	139	273	458	682	812	1205

**4.0MPa Main Connection Dimensions and Weight**

Nominal Diameter	DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L	mm	130	150	160	180	200	230	290	310	350	400	480	600	650	750	850	950
H	mm	200	243	253	280	312	321	325	355	415	460	510	700	975	1115	1250	1380
D0	mm	140	160	160	180	200	260	280	300	350	400	450	600	600	700	800	900
(kg)Weight	kg	5	6.5	7	13.5	16	32	45	60	84	110	139	278	468	699	837	1312

**6.4MPa Main Connection Dimensions and Weight**

Nominal Diameter	DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
L	mm	170	190	210	230	260	300	340	380	430	500	550	650	775	900
H	mm	195	228	250	325	360	410	450	485	537	646	840	925	1015	1200
D0	mm	160	180	200	-	220	260	280	320	350	400	500	-	-	-
(kg)Weight	kg	10	13	15	-	19	25	35	48	56	125	157	-	-	-

**10.0MPa Main Connection Dimensions and Weight**

Nominal Diameter	DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
L	mm	170	190	210	230	260	300	340	380	430	500	550	650	775	900
H	mm	195	228	250	325	360	410	450	485	537	646	840	925	1015	1200
D0	mm	160	180	200	220	240	280	320	350	400	450	500	600	700	800
(kg)Weight	kg	10	12	17	25	30	40	68	92	107	-	310	590	850	1040

**16.0MPa Main Connection Dimensions and Weight**

Nominal Diameter	DN	15	20	25	32	40	50	65	80	100	125	150	200
L	mm	170	190	210	230	260	300	340	380	430	500	550	650
H	mm	195	228	250	325	360	410	450	485	537	646	840	925
D0	mm	160	180	200	220	240	280	320	350	400	450	500	600
(kg)Weight	kg	-	-	-	-	-	-	-	-	-	-	-	-