



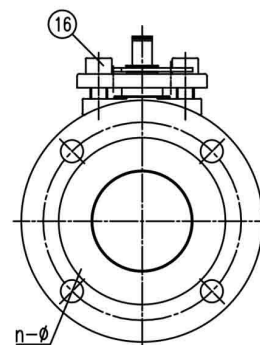
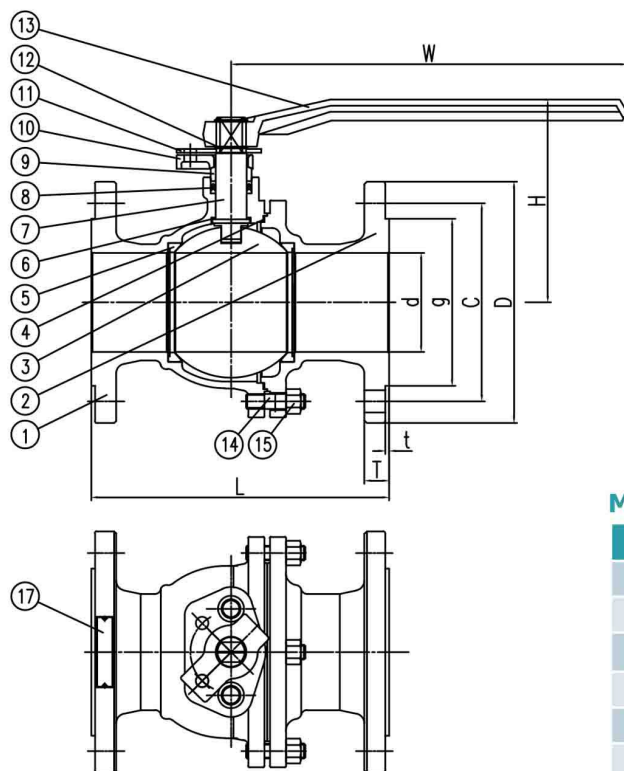
UNIMECH GROUP, MALAYSIA



A MEMBER OF UNIMECH GROUP, MALAYSIA

2-PC BALL VALVE FLANGED END 300 LB

Model : ARV-100FE(A)-2PC



Technical Data

Material

No	PART	MATERIAL
1	BODY	A351-CF8 / A351-CF8M
2	BONNET	A351-CF8 / A351-CF8M
3	BALL	A276-304 / A276-316
4	GASKET	PTFE
5	BALL SEATS	RPTFE
6	THRUST WASHER	PTFE
7	STEM	A276-304 / A276-316
8	PACKING	PTFE
9	GLAND	A276-304 / A276-316
10	GLAND FLANGE	A351-CF8
11	LOCK PLATE	A276-304
12	RETAINING RING	A276-304
13	HANDLE	QT400-15
14	BONNET BOLT	A193-B8
15	NUT	A194-8
16	HEX. BOLT	A193-B8
17	NAMEPLATE	A276-304

Features :

Pressure - temperature rating : ASME B16.34

Face to Face : ASME B16.10

End Flange dimension according to ASME B16.5

Inspection and Test : API598

Nominal Pressure	CL 300	
Test Pressure	Shell Test	7.8 Mpa
Applicable Medium	Water, Oil, Gas	
Applicable Temperature	-29 ~ 150 °C	

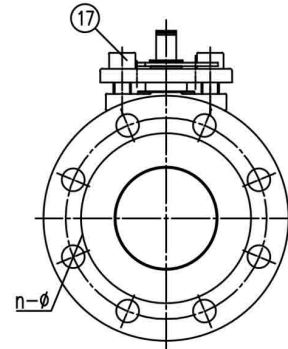
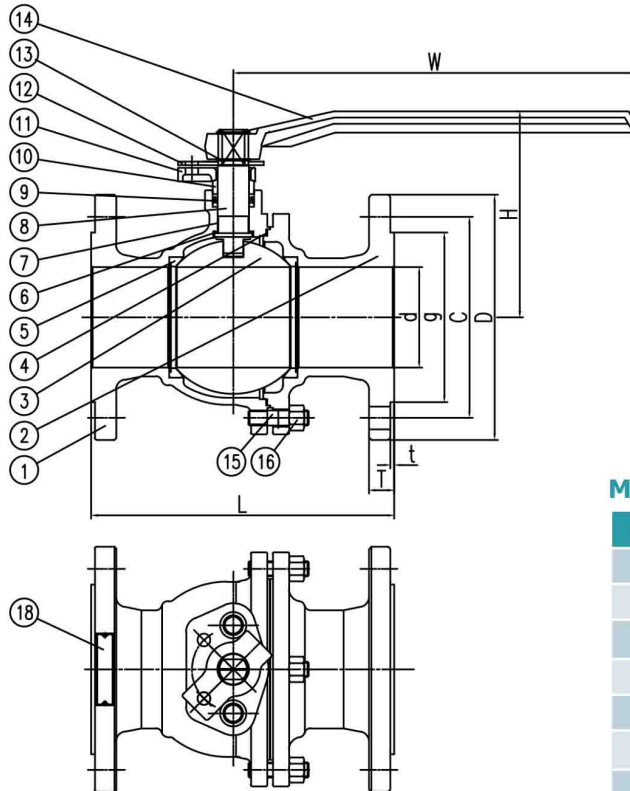
Dimension in mm

SIZE		d	L	D	C	g	T	t	n-Ød	H	W	Weight (kg)
DN	in.											
15	1/2"	15	140	95	66.7	35	14.7	2	4-Ø16	78	115	2.8
20	3/4"	20	152	117	82.6	43	16.3	2	4-Ø19	80.5	115	3.8
25	1"	25	165	124	88.9	51	17.9	2	4-Ø19	96	150	5.3
32	1.1/4"	32	178	133	98.4	64	19.5	2	4-Ø19	101	150	6.4
40	1.1/2"	40	190	156	114.3	73	21.1	2	4-Ø22	132.5	200	10.5

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5	BALL SEATS	RPTFE
6	THRUST WASHER	PTFE
7	STEM BUSHING	PTFE
8	STEM	A276-304 / A276-316
9	PACKING	PTFE
10	GLAND	A276-304 / A276-316
11	GLAND FLANGE	A351-CF8
12	LOCK PLATE	A276-304
13	RETAINING RING	A276-304
14	HANDLE	QT400-15
15	BONNET BOLT	A193-B8
16	NUT	A194-8
17	HEX. BOLT	A193-B8
18	NAMEPLATE	A276-304

Features :

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Face to Face : ASME B16.10

End Flange dimension according to ASME B16.5

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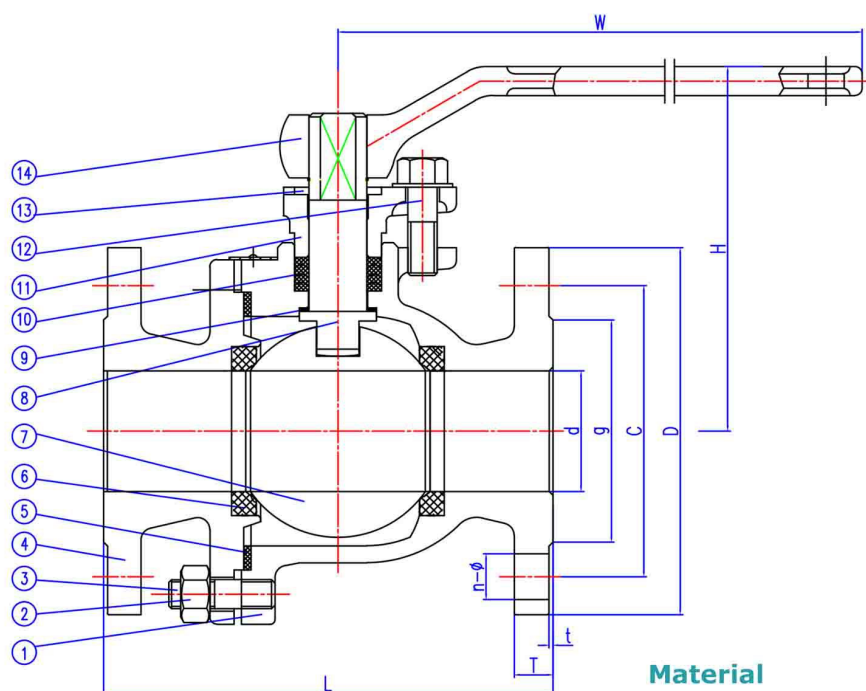
Dimension in mm

SIZE		d	L	D	C	g	T	t	n-Ød	H	W	Weight (kg)
DN	in.											
50	2"	50	216	165	127	92	22.7	2	8-Ø19	139	200	14.8
65	2.1/2"	65	241	190	149.2	105	25.9	2	8-Ø22	164.5	320	19
80	3"	89	283	210	168.3	127	29	2	8-Ø22	171.5	320	29.2
100	4"	100	305	255	200	157	32.2	2	8-Ø22	204	450	48

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Technical Data

Features :

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Face to Face : ASME B16.10

End Flange dimension according to ASME B16.5

Inspection and Test : API598

Nominal pressure		CL 300
Test Pressure	Shell Test	7.8 Mpa
Applicable Medium	Water, Oil, Gas	
Applicable Temperature	-29 ~ 150 °C	

Material

No	PART	MATERIAL
1	BODY	A351-CF8 / A351-CF8M
2	NUT	A194-8
3	BONNET BOLT	A193-B8
4	BONNET	A351-CF8 / A351-CF8M
5	GASKET	PTFE
6	BALL SEATS	RPTFE
7	BALL	A276-304 / A276-316
8	STEM	A276-304 / A276-316
9	THRUST WASHER	PTFE
10	PACKING	PTFE
11	GLAND FLANGE	A351-CF8
12	HEX. BOLT	A193-B8
13	LOCK PLATE	A276-304
14	HANDLE	A216-WCB

Dimension in mm

SIZE		d	L	D	C	g	T	t	n-Ød	H	W	Weight (kg)
DN	in.											
125	5"	125	381	280	235	186	35.4	2	8-Ø22	252	750	78

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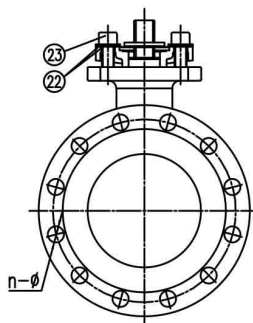
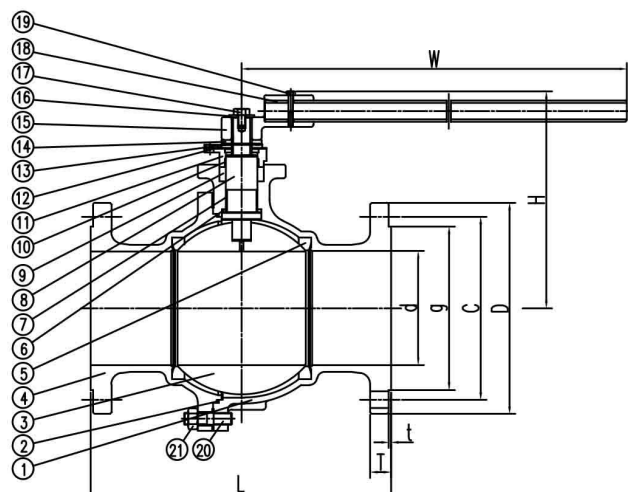
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4	BONNET	A351-CF8 / A351-CF8M
5	BALL SEATS	RPTFE
6	THRUST SEAL	PTFE
7	STEM BUSHING	PTFE
8	STEM	A276-304 / A276-316
9	PACKING	PTFE
10	BUSHING	PTFE
11	GLAND FLANGE	A351-CF8
12	LOCK PLATE	A276-304
13	RETAINING RING	A276-304
14	WASHER	A276-304
15	HANDLE COVER	A216-WCB
16	WASHER	A276-304
17	STEM BOLT	A193-B7
18	HANDLE	STEEL
19	HANDLE BOLT	A193-B7
20	BONNET BOLT	A193-B8
21	NUT	A194-8
22	WASHER	A276-301
23	BOLT	A193-B8
24	NAMEPLATE	A276-304

Features :

Pressure - temperature rating : ASME B16.34

Face to Face : ASME B16.10

End Flange dimension according to ASME B16.5

Inspection and Test : API598

Nominal pressure	CL 300	
Test Pressure	Shell Test	7.8 Mpa
Applicable Medium	Water, Oil, Gas	
Applicable Temperature	-29 ~ 150 °C	

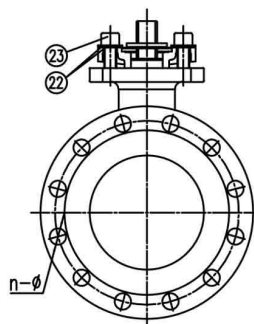
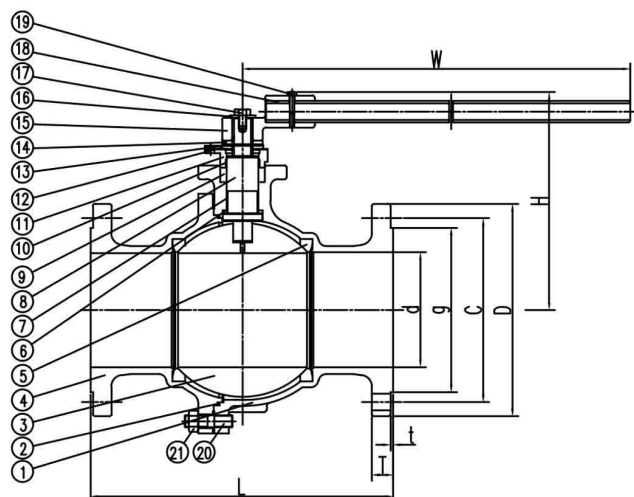
Dimension in mm

SIZE		d	L	D	C	g	T	t	n-Ød	H	W	Weight (kg)
DN	in.											
150	6"	150	403	320	269.9	216	37	2	12-Ø22	287	830	86

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2	GASKET	A351-CF8
3	BALL	A276-304 / A276-316
4	BONNET	A351-CF8 / A351-CF8M
5	BALL SEATS	RPTFE
6	THRUST SEAL	PTFE
7	STEM BUSHING	PTFE
8	STEM	17-4PH
9	PACKING	PTFE
10	BUSHING	PTFE
11	GLAND FLANGE	A351-CF8
12	LOCK PLATE	A276-304
13	RETAINING RING	A276-304
14	WASHER	A276-304
15	HANDLE COVER	A216-WCB
16	WASHER	A276-304
17	STEM BOLT	A193-B7
18	HANDLE	STEEL
19	HANDLE BOLT	A193-B7
20	BONNET BOLT	A193-B8
21	NUT	A194-8
22	WASHER	A276-301
23	BOLT	A193-B8
24	NAMEPLATE	A276-304

Features :

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End Flange dimension according to ASME B16.5

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Nominal pressure	CL 300	
Test Pressure	Shell Test	7.8 Mpa
Applicable Medium	Water, Oil, Gas	
Applicable Temperature	-29 ~ 150 °C	

Dimension in mm

SIZE		d	L	D	C	g	T	t	n-Ød	H	W	Weight (kg)
DN	in.											
200	8"	200	502	380	330.2	270	41.7	2	12-Ø25	378	1040	155

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