UV665QF

METAL SEATED, FORGED, FLOATING, FULL BORE FLANGED BALL VALVE



Features

- Full Bore, seat supported.
- Floating ball & Split body design.
- Blowout-proof stem.
- Anti-static devices for ball, stem, body.
- Bidirectional tightness.
- Fire safe design.
- Actuator mounting: ISO5211.

Technical Data

Normal diameter:
NPS 1"~NPS 4".
Normal pressure rating:
ASME Class 600.
Material:
Body: Carbon Steel, Stainless Steel.
Ball: 316L + Cr_3C_2 -NiCr
Seat: 316L + Cr_3C_2 -NiCr
Temperature:
-29℃ ... + 350℃ .

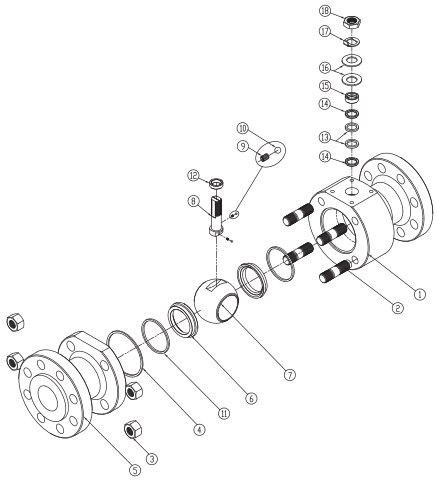
Design Standard

Design & manufacture:
ASME B16.34, API 6D.
Face to face dimensions:
ASME B16.10.
Connection ends: ASME B16.5.
Testing & inspection: API 598, API 6D.

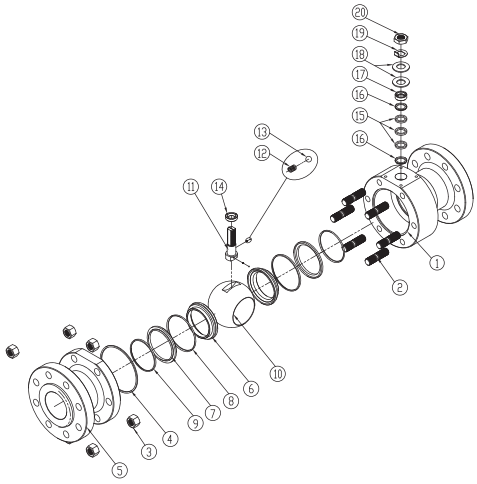
Application

- Power generation.
- Oil, Gas (Natural gas) .
- Chemical industry.
- Metallurgy.
- Pharmaceutical.
- Paper making.
- Shipbuilding.
- Environmental protection.

Structure and Material UV665QF



Size 1” – 2”/DN 25 – 50

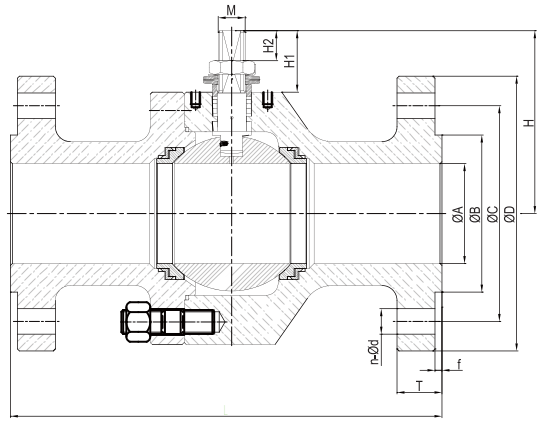


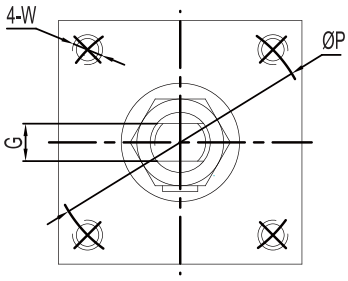
Size 3” – 4”/DN 80 – 100

Material Parts List 1”-2”			Qty
No.	Part Description	Material	
1	Body	ASTM A182 Gr. F316 / ASTM A105	1
2	Stud bolt	ASTM A193 Gr. B8M/ASTM A193 Gr. B7M	4
3	Nut	ASTM A194 Gr. 8M/ASTM A194 Gr. 2HM	4
4	Body Gasket	Graphite	1
5	Flange	ASTM A182 Gr. F316 / ASTM A105	1
6	Seat Ring	ASTM A276 316L + (Cr_3C_2-NiCr)	2
7	Ball	ASTM A276 316L + (Cr_3C_2-NiCr)	1
8	Stem	ASTM A564 630	1
9	Anti Static Spring	SS316	2
10	Anti Static Ball	SS316	2
11	Pressure ring	Graphite	2
12	Bearing	E-Carbon	1
13	Packing ring middle	Graphite	2
14	Thrust ring top & down	E-Carbon	2
15	Packing bushing	ASTM A276 316	1
16	Belleville wash	SS304	2
17	Lock Saddle	ASTM A240 304	1
18	Nut	ASTM A194 Gr. 8M	1

Material Parts List 3”-4”			Qty
No.	Part Description	Material	
1	Body	ASTM A182 Gr. F316 / ASTM A105	1
2	Stud bolt	ASTM A193 Gr. B8M/ASTM A193 Gr. B7M	6
3	Nut	ASTM A194 Gr. 8M/ASTM A194 Gr. 2HM	6
4	Body Gasket	Graphite	1
5	Flange	ASTM A182 Gr. F316 / ASTM A105	1
6	Seat Ring	ASTM A276 316L + (Cr_3C_2-NiCr)	2
7	Z-ring	ASTM A276 316	2
8	Upper pressure ring	Graphite	2
9	Down pressure ring	Graphite	2
10	Ball	ASTM A276 316L + (Cr_3C_2-NiCr)	1
11	Stem	ASTM A564 630	1
12	Anti Static Spring	SS316	2
13	Anti Static Ball	SS316	2
14	Bearing	E-Carbon	1
15	Packing ring middle	Graphite	3
16	Thrust ring top & down	E-Carbon	2
17	Packing bushing	ASTM A276 316	1
18	Belleville wash	SS304	2
19	Lock Saddle	ASTM A240 304	1
20	Nut	ASTM A194 Gr. 8M	1

Dimensions





Size Inch	ASME 600Lb Dimensions in mm								
	L	ΦA	ΦB	ΦC	ΦD	H	n-Φd	T	f
1”	216	25	50.8	88.9	125	77	4-19	24.5	7
1-1/2”	241	38	73	114.3	155	96	4-22.5	29.5	7
2”	292	50	92.1	127	165	108	8-19	32.5	7
3”	356	80	127	168.3	210	149.5	8-22.5	39	7
4”	432	100	157.2	215.9	275	183	8-25.5	45	7

Actuators

Univals offers a full line of integrally designed actuators for automated systems or for easier control of Inaccessible or remove valves. Pneumatic actuators which include double-acting and spring-return piston

Size Inch	Dimensions for Mounting Pad in mm					
	G	W	ΦP	M	H1	H2
1”	9	M6	50	14	31.5	10
1-1/2”	11	M8	70	16	33.5	17.5
2”	14	M8	70	18	38.5	17.5
3”	17	M10	102	22	50	24
4”	20	M10	102	27	61.5	30

How to Order

Example：

665QF01ABHSG

1.	2.	3.	4.	5.	6.	7.
665QF	01	A	B	H	S	G

1.	TYPE		
665QF			
2.	**Valve Size**		
01	1” (25mm)	03	3” (80mm)
02	2” (50mm)	04	4” (100mm)
3.	**Pressure Rating**		
A	ANSI 600		
4.	**Body Material**		
B	WCB	S	CF8M
Y	Others consult with factory		
5.	**Ball Material + Coating**		
H	ASTM A276 316L+ Cr_3C_2-NiCr		
6.	**Seat Ring**		
S	ASTM A276 316L+ Cr_3C_2-NiCr		
7.	**Packing**		
G	Graphite		

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