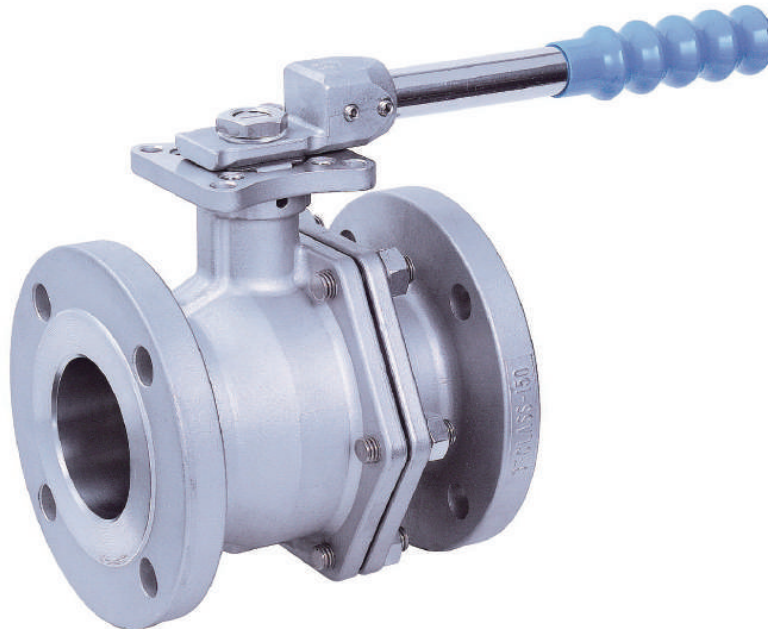


DIRECT MOUNTING PAD SERIES V111AS / V111PN

2 Piece Ball Valve Flanged End

SIZE: 1/2" to 6"
FLANGED END
ANSI #150/300
DIN PN16/40



HEROSE UK's Ball Valves have been specifically designed to meet the requirements of high purity applications. The product ranges include ASME, DIN, and JIS standards, from normal 1pc, 2pc, 3pc body, multiple-port & V-ported valve designs with pressure ratings 1000PSI, 2000PSI, and 3000PSI, to high pressure 6000 and 10000PSI. Products for NACE MR-01-75, Atex 2014/34/EU, TRD100, low emission ISO15848-1, and fire-safe API 607 are under choices.

All materials are fully controlled and available with EN10204 3.1 certificates.

Direct Mounting Pad: Improves control accuracy, and facilitates maintenance by providing a direct and robust attachment point for mounting actuators onto the valve body.

Application: Our valves are suitable for Automotive, Gas & Oil, Chemical, Water & Wastewater, Mining, Minerals & Metals, Marine, Pulp & Paper, Food & beverage, and Pharmaceutical industries.

Size	1/2"-6"
Pressure Rating	150 LBS / 300 LBS
End Connect	Flanged End ASME B16.5
Mounting Pad	ISO 5211 Direct
Material	CF8M / WCB

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DETAILS AND BENEFITS

BODY:

- Investment Casting .
- Standard Materials: CF8M, WCB.
- Special Materials: Hastelloy, Duplex Steel, Super Duplex Steel.

STEM:

- Blow-out Proof Stem.
- Anti-static Device.

SEAT:

Live loaded stem packing,
Increase the service life.

THRUST WASHER:

Prevent friction between the stem and
the valve body.

O-RING:

- Guide the stem.
- Prevent fugitive leakage.

DISC WASHER:

The Belleville washers are elastic and can
compensate a force to the stem packing
automatically when the stem packing is worn
after a long-term operation.

LOCK WASHER:

Prevent the stem nut from loosening.

BALL:

- Solid Ball Full bore
- The ball's surface is mirror polished,
 $Ra < 0.2\mu m$, which reduces friction with
the ball seats and related torque.
- Ball with a pressure relief hole to balance
the pressure inside the valve body.

BALL SEAT:

- PTFE, RPTFE, TFM1600 available.
- Bi-directional sealing.
- Pressure relief hole to balance the
pressure inside the valve body.

POSITIONING:

- Below 2": stopper, above 2": stopper pin.

HANDLE NUT/BOLT:

When the pipeline is under pressure,
the handle still can be disassembled safely.

PLATFORM:

- ISO 5211 direct mounting pad.

PORT:

- Flange CL150 and Flange CL300 according to
- ASME B16.5

LENGTH:

- Face to face conforms to ASME B16.10.

MARKING:

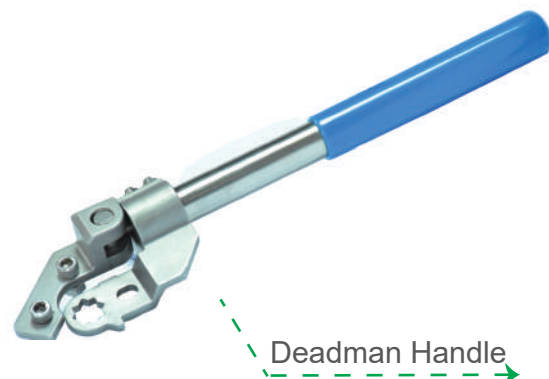
- The standard is marked with material, size,
pressure, heat number on the body.
- Customer logo upon request.

INSPECTION:

- API 598, EN 12266-1.

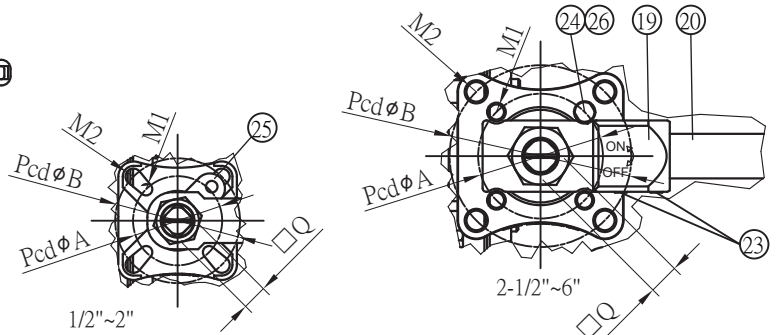
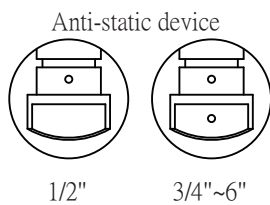
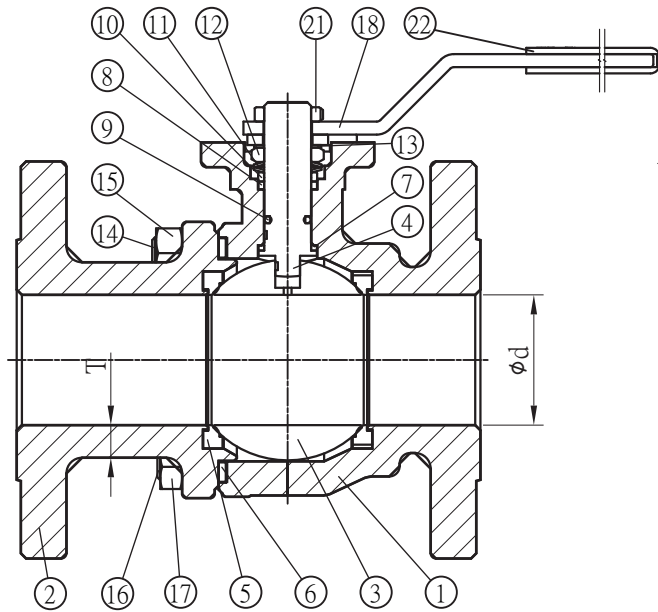
ADDITIONAL:

- 100 mm stem extension.
- Spring return deadman handle (up to 2")



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2 Piece Ball Valve Flanged End



Features:

- > The valve has a full port design, providing unrestricted flow and minimizing pressure drop. It conforms to ANSI 150LBS and 300LBS standards, ensuring compatibility with the corresponding flange ratings.
- > The valve is a two-piece ball valve with flanged ends, offering ease of maintenance and replacement of internal components.
- > The valve body is available in CF8M, CF8, and WCB materials, providing options for corrosion resistance and durability based on the specific application requirements.
- > The valve conforms to the ASME B16.10 face-to-face dimensions, ensuring proper alignment and compatibility with other components in the pipeline system.
- > The valve is equipped with an ISO 5211 Direct Mounting Pad, facilitating direct mounting of actuators without the need for additional components.
- > The valve undergoes testing according to the API 598 standard, ensuring reliable performance and compliance with industry standards for pressure and leakage testing.
- > The valve features a blow-out proof stem design, enhancing safety by preventing stem ejection under high-pressure conditions.
- > The valve is equipped with a solid ball, ensuring durability and reliable sealing.
- > The valve offers the option of a locking device for added security and a hollow ball design for specific applications where reduced weight or flow control features are required.

No.	PART	Qty.	MATERIAL	
			316	WCB
1	BODY	1	CF8M	WCB
2	END CAP	1	CF8M	WCB
3	BALL	1	CF8M	CF8
4	STEM	1	316	
5	SEAT	2	PTFE / R-PTFE / TFM1600	
6	BODY SEAL	1	PTFE / R-PTFE / TFM1600 / GRAPHITE*	
7	THRUST WASHER	1	PTFE / R-PTFE / TFM1600	
8	STEM SEAL	2	PTFE / R-PTFE / TFM1600 / GRAPHITE*	
9	O-RING	1~2	VITON	
10	GLAND RING	1	304	
11	DISC SPRING	2	301	
12	STEM NUT	1	304	
13	LOCK WASHER	1	304	
14	BODY BOLT-1	1	304	
15	BODY NUT-1	1 (1/2"~4")	304	
16	BODY BOLT-2	3~7	304	
17	BODY NUT-2	3~7 (1/2"~4")	304	
18	HANDLE	1 (1/2"~2")	304	
19	HANDLE ADAPTER	1 (2-1/2"~6")	CF8	
20	HANDLE BAR	1 (2-1/2"~6")	304	
21	HANDLE NUT	1	304	
22	HANDLE SLEEVE	1	PLASTIC	
23	SET SCREW	2 (2-1/2"~6")	304	
24	STOP PIN	1 (2-1/2"~6")	304	
25	STOPPER	1 (1/2"~2")	304	
26	NUT FOR PART 24	1 (5"~6")	304	

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2 Piece Ball Valve Flanged End

DIMENSION (ANSI 150LBS)

UNIT:mm

SIZE	Ød	ØA	ØB	ØC	ØE	F	G	1-H	M1	M2	□Q	L	W	H	H1	H2	T	TORQUE(Nm)	
																		PTFE	R-PTFE
1/2"	15	42	-	60.5	89	1.6	9.6	4-16	Ø6	-	9.0	108	165	90	46.5	10.5	3.1	5.0	6.0
3/4"	20	42	50	70	98	1.6	11.2	4-16	R3.0	R3.5	9.0	117	165	96	51.5	9.5	3.7	8.0	10
1"	25	42	50	79.5	108	1.6	12.7	4-16	R3.0	R3.5	11	127	165	97	57.5	10.5	3.9	10.5	12.5
1-1/2"	40	50	70	98.5	127	1.6	15.9	4-16	R3.5	R4.5	14	165	205	111	76.5	15.5	4.9	20	25
2"	50	50	70	120.5	152.4	1.6	17.5	4-19	R3.5	R4.5	14	178	205	118	83.5	15.5	5.5	25	30
2-1/2"	65	70	102	139.5	178	1.6	20.8	4-19	M10	Ø11	17	190	280	152	118.5	18.5	5.8	38	45
3"	80	70	102	152.5	190.5	1.6	22.3	4-19	M10	Ø11	17	203	280	163	129.5	18.5	6.1	58	70
4"	100	70	102	190.5	229	1.6	22.3	8-19	M10	Ø11	17	229	380	178	145	18.5	6.5	85	100
5"	125	102	125	215.9	255	1.6	22.3	8-22.5	R6.0	R7.0	27	356	610	202	158.5	30	6.8	120	150
6"	150	102	125	241.3	280	1.6	23.9	8-22.5	R6.0	R7.0	27	394	610	219	175	30	7.1	160	200

DIMENSION (ANSI 300LBS)

UNIT:mm

SIZE	Ød	ØA	ØB	ØC	ØE	F	G	1-H	M1	M2	□Q	L	W	H	H1	H2	T	TORQUE(Nm)	
																		PTFE	R-PTFE
1/2"	15	42	-	66.7	95	1.6	12.7	4-16	Ø6	-	9.0	140	165	90	47.5	10.0	3.5	5.0	6.0
3/4"	20	42	50	82.5	117	1.6	14.3	4-19	R3.0	R3.5	9.0	152	165	103	58.5	10.0	4.0	8.0	10
1"	25	42	50	89	125	1.6	15.9	4-19	R3.0	R3.5	11	165	165	101	62.5	10.0	4.2	10.5	12.5
1-1/2"	40	50	70	114.5	156	1.6	19.1	4-22	R3.5	R4.5	14	190	205	111	78	14.0	5.3	20	25
2"	50	50	70	127	165.1	1.6	20.7	8-19	R3.5	R4.5	14	216	205	118	83.5	15.5	6.0	25	30
2-1/2"	65	70	102	149	190	1.6	23.4	8-22.5	M10	Ø11	17	241	280	152	118.5	18.5	7.0	38	45
3"	80	70	102	168	210	1.6	27	8-22.5	M10	Ø11	17	282	280	163	129.5	18.5	7.0	58	70
4"	100	70	102	200	254	1.6	30.2	8-22.5	M10	Ø11	17	305	380	178	145	18.5	7.7	85	100
6"	150	102	125	269.9	320	3.0	36	12-22.5	R6.0	R7.0	27	403	610	219	175	30	7.1	160	200

- Note : 1.Torque over standard within 5% is accepted.
2.The torque standard of TFM1600 is the same as R-PTFE.
3.The torque standard of fire-safe products is 1.25 times of above values.

