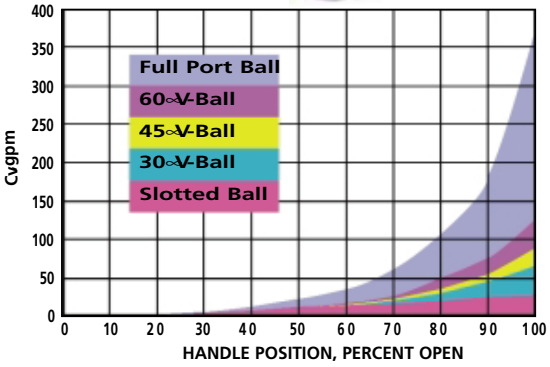
TWO PIECE V- FLOW SPLIT BODY FLANGED BALL VALVES,V-BORE,ANSI CLASS 150

Fig No: VF-27 *1/2"~ 6"*
DN15 ~ DN150



Features :
Investment Cast Components
Blow out proof stem design
ISO 5211 Direct mounting of actuators to valves design

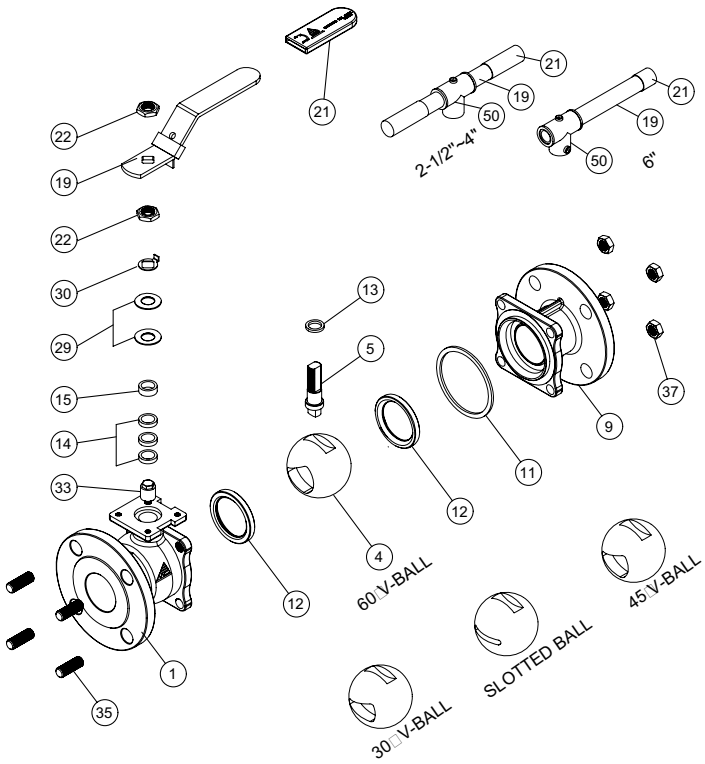
Standard Compliance :
ASME/ANSI B16.5 ASME/ANSI B16.10
ANSI B16.34 API 598

Specifications :
V-Bore : 60□V/ 45□V/ 30□V/ Slotted
End connection : Flanged
Working Pressure : 1/2"~6" ANSI Class 150
Pressure test according to API 598

Modentic V-flow have equal percentage flow characteristics, while the slotted balls have linear flow characteristics. As the ball rotates, desired flow rates can be achieved by positioning the ball anywhere between 0°and 90°. This provides high flow capacity and outstanding repeatability in manufacturing processes.
These valves also feature characterized ballswith various port shapes, including V or slotted either manual or automated.

STEAM CONTROL
Controlling steam pressure is not easy. Typical problems associated with globe control valves in steam service have been stem leakage, sticking, poor shutoff and high maintenance. Linear stem valves require frequent packing adjustment and tightened packing sometimes means overshoot, oscillation and deviation from the setpoint. Further, Class IV shutoff is usually too much leakage for many applications that required tight shutoff.
Modentic V-flow valves solve these problems with tight shutoff live-loaded stem seals and tailored ball characteristics providing ramp up condition quickly while maintaining precision low flow control.

TEMPERATURE & PRODUCT MIXING CONTROL
The temperature and product mixing control because of their quick responses to process controllersésignals and the precision to which they cancontrol flow. Their accuracy at low and high flow demands enhance their effectiveness.

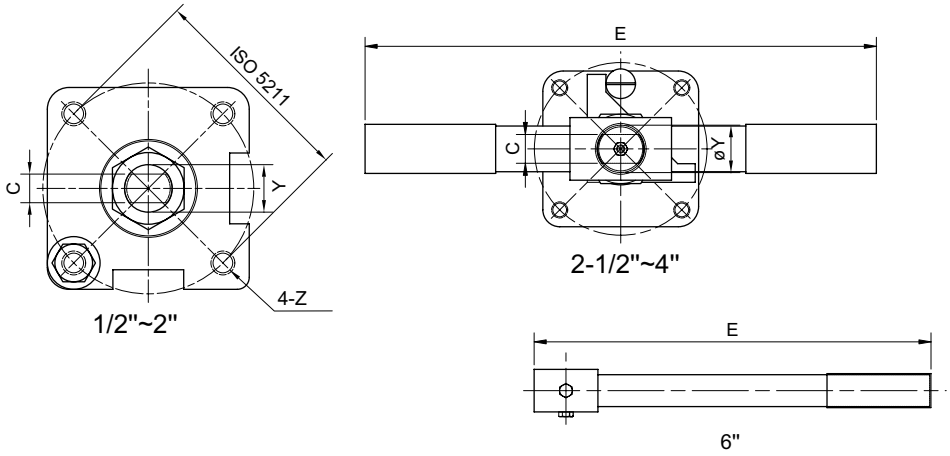


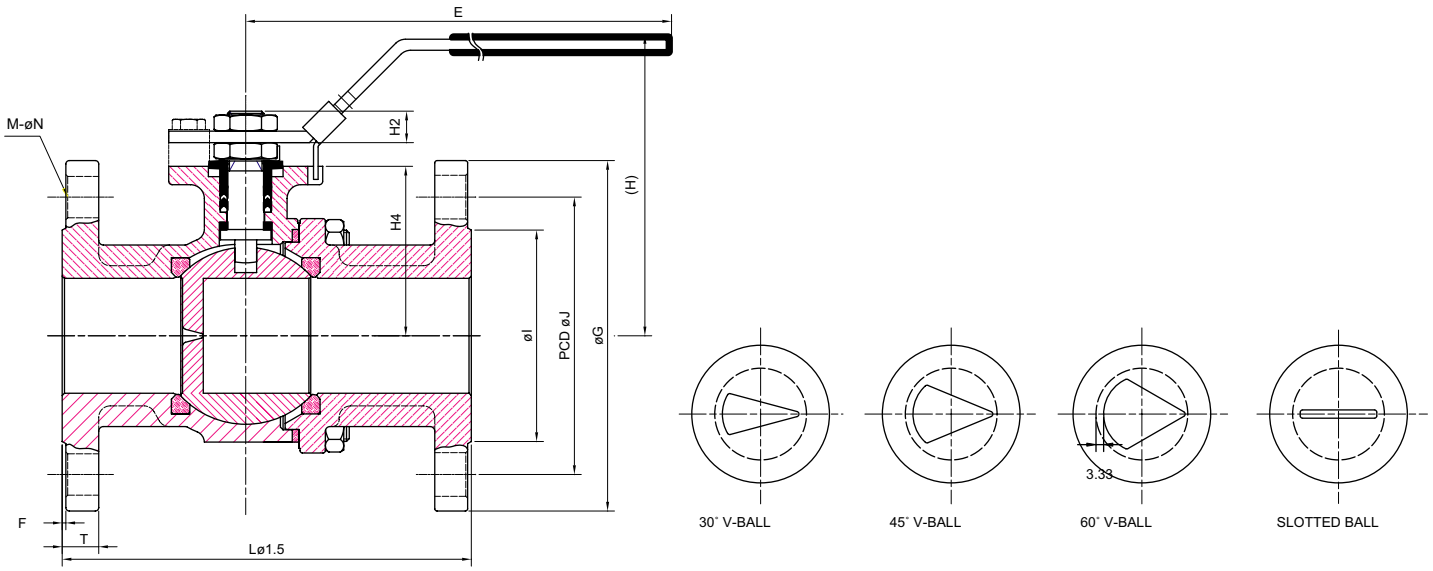
MATERIALS LIST

NO.	PART NAME	MATERIAL		Q'TY
1	BODY	ASTM A351 GR.CF8M	ASTM A216 GR.WCB	1
4	BALL	ASTM A351 GR.CF8M	ASTM A351 GR.CF8	1
5	STEM	S.S. 316	S.S. 304	1
9	END CAP	ASTM A351 GR.CF8M	ASTM A216 GR.WCB	1
11	BODY SEAL	PTFE.		1
12	SEAT	50%SS316+50%PTFE.		2
13	THRUST WASHER	PTFE.		1
14	STEM PACKING	PTFE.		1SET
15	BUSHING	S.S.304		1
19	HANDLE	S.S.304		1
21	HANDLE COVER	PLATIC		1
22	STEM NUT	S.S.304		2
28	TRIANGLE STOPPER	S.S.304		1
29	BELLEVILLE WASHER	S.S.301		2
30	TAB WASHER	S.S.304		1
33	STOP SCREWED	S.S.304		1
35	STUD	ASTM A193 GR.B8	ASTM A193 GR.B7	4~8
37	NUT	ASTM A193 GR.8	ASTM A194 GR.2HM	4~8
50	HANDLE ADAPTER	ASTM A351 GR.CF8		1

Fig No: VF-27 *1/2"~ 6"*

DN15 ~ DN150





DIMENSIONS

unit:mm

SIZE	PORT	L	E	H	H2	H4	C	Y	øG	øJ	øI	T	F	Z	MX øN	ISO	
1/2"	15.0	108.0	162.0	80.0	8.5	38.5	9.0	11.2	89.0	60.5	35.0	11.2	1.6	M5*0.8	4 X 16	F04	42.0
3/4"	20.0	117.0	162.0	84.5	8.5	42.5	9.0	11.2	98.6	70.0	43.0	12.7	1.6	M5*0.8	4 X 16	F04	42.0
1"	25.0	127.0	196.0	102.0	12.0	52.0	11.0	14.3	108.0	79.2	51.0	14.3	1.6	M6*1.0	4 X 16	F05	50.0
1-1/4"	32.0	140.0	196.0	102.0	12.0	56.0	11.0	14.3	117.5	88.9	63.5	15.9	1.6	M6*1.0	4 X 16	F05	50.0
1-1/2"	38.0	165.0	226.0	125.0	12.0	65.25	14.0	18.0	127.0	98.6	73.2	17.5	1.6	M8*1.25	4 X 16	F07	70.0
2"	50.0	178.0	226.0	132.0	12.0	73.75	14.0	18.0	152.5	120.7	92.0	19.1	1.6	M8*1.25	4 X 19	F07	70.0
2-1/2"	64.0	190.0	300.0	176.8	23.0	92.5	17.0	22.23	177.8	139.7	104.7	23.3	1.6	M10*1.5	4 X 19	F10	102.0
3"	76.0	203.0	300.0	185.5	23.0	101.7	17.0	22.23	190.5	152.4	127.0	23.9	1.6	M10*1.5	4 X 19	F10	102.0
4"	100.0	229.0	450.0	200.0	23.0	119.0	17.0	22.23	228.6	190.5	157.0	23.9	1.6	M10*1.5	4 X 19	F10	102.0
6"	150.0	394.0	1000.0	259.0	76.5	182.5	23.0	36.0	279.4	241.3	216.0	25.4	1.6	M12*1.7	8 X 22.3	F10	125.0