



Range DN: 8 ~ 300



PED 97/23/EC
PED 2014/68/EU



TR TS 10/11,
12/11, 32/11



Range PN: 16 ~ 63

Operating temperature: -50 °C ~ 230 °C

Connection into piping: Flanged, welded ends, threaded ends, combined execution



DESCRIPTION

V005 ball valves are controlled shut-off valves. They are designed to stop or allow the flow of the medium by external operation, either manually or via the installed drive. The ball valves allow the medium to flow in both directions. Their construction is designed to prevent the build-up of sediment in the flow channel which would otherwise hinder the valve operation. These ball valves are designed and manufactured to ensure maximum service life and reliability.

MATERIAL SPECIFICATION

V005 ball valves are made from carbon, alloy and stainless steels. The material type can be adjusted according to the customer's request to optimally suit the operating conditions.

APPLICATION

V005 ball valves of this design are suitable for the chemical and food-stuff industries and in processes where the contamination of the working medium by the products of corrosion is not admissible.

BASIC STANDARDS FOR DESIGN

Basic design

EN 1983

Pressure-temperature rating

EN 12 516 - 1

Testing

EN 12 266 - 1, 2

Face-to-face dimensions

EN 558, EN 12 982

Dimensions of the welded ends

EN 12 627

Top Flange dimensions

EN ISO 5211

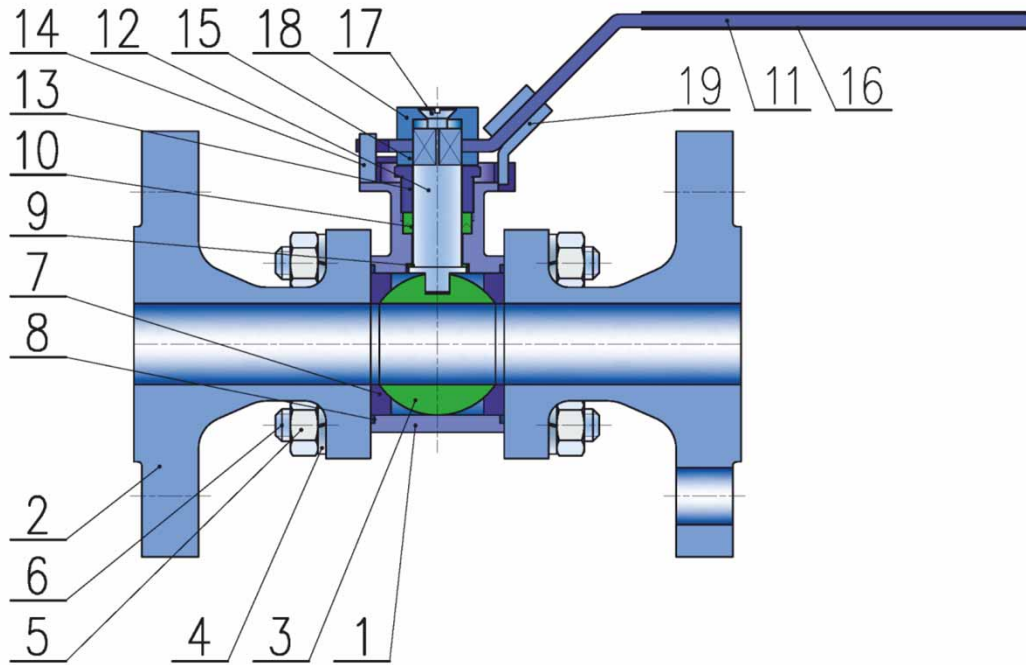
Flange dimensions

EN 1092 - 1

Special

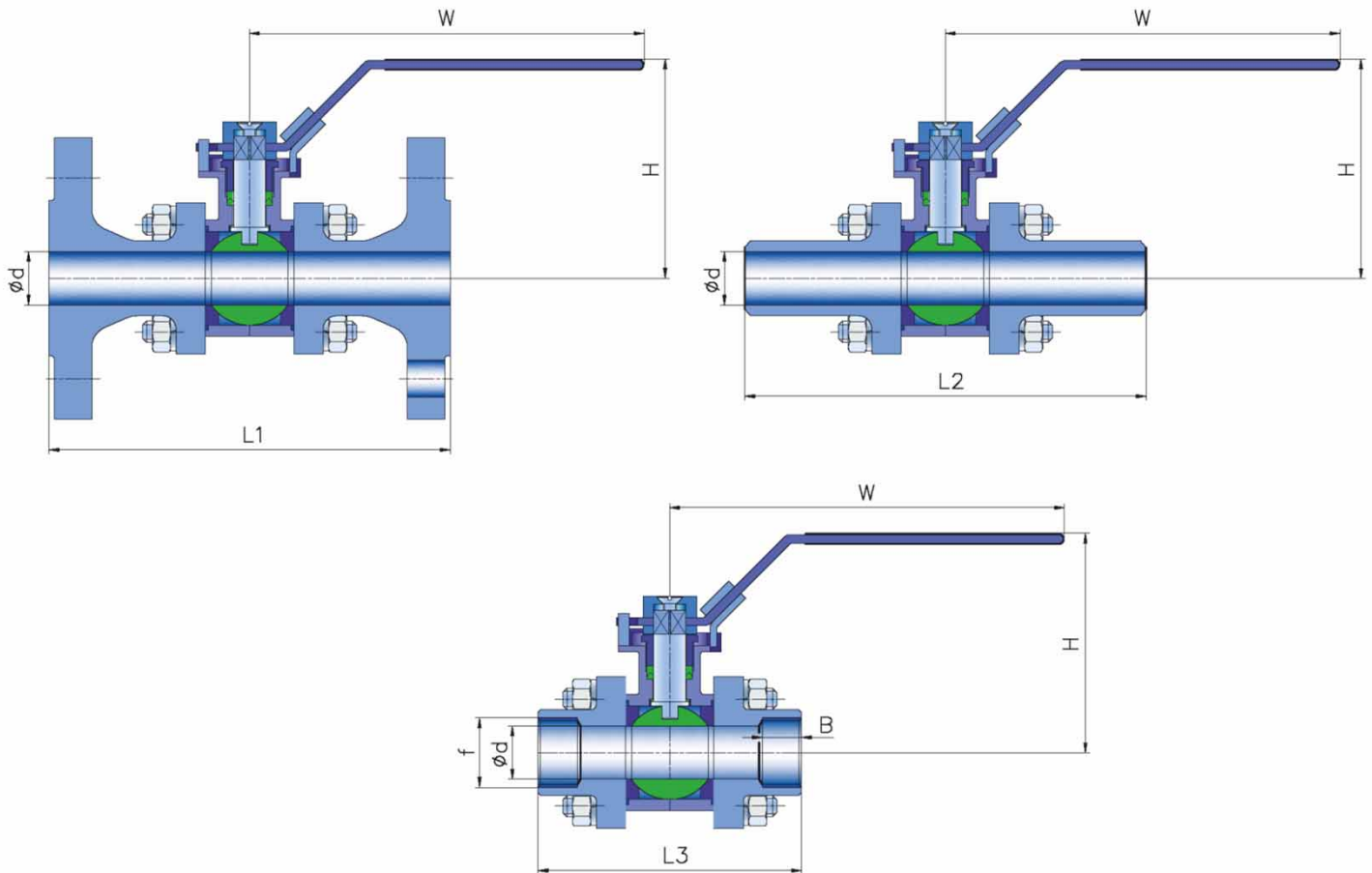
NACE MR-0175

MATERIAL SPECIFICATION



Pos.	Designation	Material		
1	Body	A216 WCB	A351 CF8	A351 CF8M
2	Bonnet	A216 WCB	A351 CF8	A351 CF8M
3	Ball	A351 CF8, 304, 316	A351 CF8	A351 CF8M
4	Spring washer	304		
5	Nut	304		
6	Bolt	304		
7	Seat	PTFE, PTFE + glass, PTFE + graphite, PTFE + stainless steel		
8	Packing	PTFE + stainless steel		
9	Thrust washer	PTFE, PTFE + glass, PTFE + graphite, PTFE + stainless steel		
10	Gland	PTFE + stainless steel		
11	Hand lever	304		
12	Upper Stem	316		
13	Gland nut	304		
14	Stopper	304		
15	Stem washer	304		
16	Plastic cover	Plastic		
17	Lever bolt	304		
18	Lever cover	304		
19	Lock device	304		

DIMENSIONS



DN	PN 16, 25, 40, 63									
	d	L1	L2	L3	f (Rp)	B	H	W	EN ISO 5211	(kg)
8	11.2	130	65	55	1/4	12	81	126	F 03	1.5
10	12.6	130	70	60	3/8	12	81	140	F 03	2
15	16	130	75	75	1/2	15	84	147	F 03	3
20	20	150	90	80	3/4	17.5	87	147	F 03	4
25	25	160	100	90	1	19.5	93	154	F 04	5
32	32	180	110	110	1 1/4	21.5	99	154	F 04	8
40	38.1	200	125	120	1 1/2	21.5	114	218	F 05	11
50	50.8	230	150	140	2	22	122	218	F 05	15
65	65	290	190	185	2 1/2	27.5	150	252	F 07	20
80	80	310	220	205	3	32	161	252	F 07	29
100	100	350	270	240	4	35	180	292	F 10	48
125	131.7	400	330	-	-	-	210	292	F 10/F 12	67
150	159.3	480	430	260	6	36	240	350	F 12/F 14	95
200	207.5	600	460	-	-	-	295	350	F 14/F 16	170
250	259	730	559	-	-	-	355	390	F 16/F 25	200
300	308	850	635	-	-	-	410	390	F 16/F 25	237

TYPE DESIGNATION

V005 ABC M PN/S

A	CONNECTION INTO PIPE	B	ISO TOP FLANGE	C	LOCK DEVICE OF HAND LEVER
F	Flanged	-	Without	-	Without
B	Welded	M	With flange	L	With lock device
T	Threaded				
M	BODY MATERIAL	S	SPECIAL EXECUTION		
SS	Stainless cast	A	Antistatic execution		
AS	Cast alloy steel	S			
CS	Cast carbon steel				

