

# V204 FLANGED BALL CHECK VALVE



## Product Description

TVN V204 Flanged Ball Check Valve is the main stream product type for the waste-water industry. Internal and ball structure enables, non-stop functioning with media with particles. The ball does not block the flow during the operation.



Technical Data	
Size range	DN50 - DN600
Pressure range	PN 10 -16
Temperature	-10°C to +70 °C
Design	EN 12334 / EN 16767
Face to face	EN 558 Series 48 / DIN 3202 F6
Flange drilling	EN 1092 - 2 ISO 7005 - 2
Coating	Electrostatic Powder Epoxy
Testing	EN 12266-1
Marking	EN 19

## Application Range

- Waste water and sewage applications
- Non-potable water
- Industrial applications

## Related Products

- Related items
- V150 Knife Gate Valve
- V151 Resilient Seated Gate Valve
- V351 Flange Adaptors



WASTE WATER



POTABLE WATER

# V204 FLANGED BALL CHECK VALVE



## Product Features

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- Self-cleaning and full bore structure ensures the continuous operation.
- The smooth body provides full flow with low pressure loss.
- Eliminates the risk of impurities getting stuck on the ball.
- Compact design maintains easier installation.
- Body and cover made of ductile iron with internal and external epoxy coating.
- Easy and quick disassembling cover.
- Horizontal and vertical installation.
- Flange connections according to EN1092-2/ISO 7005-2.
- Hydrostatic test pressure  $1.1 \times PN$  ( $PN 16 = 17.6 \text{ bar}$ ); body =  $1.5 \times PN$  ( $PN16 = 24 \text{ bar}$ ) according to EN 12266-1.

\* Installation Directions

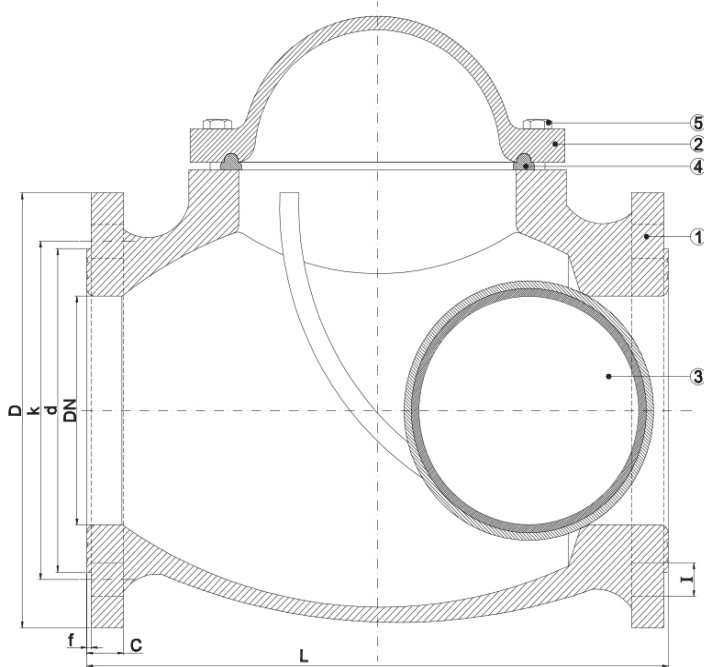


\* The types of NBR coated steel balls.

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## Material List & Dimensions Table DN50-300



Item	Part Name	Material
1	Body	GGG40/50 Ductile Iron
2	Bonnet	GGG40/50 Ductile Iron
3	Ball	DI + EPMD
		DI + NBR
4	Bonnet Gasket	EPDM
		NBR
5	Bolting	8.8 / A2 / A4

PN10								
DN (mm)	D (mm)	k (mm)	d (mm)	f (mm)	C (mm)	n-d (mm)	L (mm)	
50	165	125	99	3	20	19x4	200	
65	185	145	118	3	20	19x4	240	
80	200	160	132	3	22	19x8	260	
100	220	180	156	3	24	19x8	300	
125	250	210	184	3	26	19x8	350	
150	285	240	211	3	26	23x8	400	
200	340	295	266	4	26	23x8	500	
250	395	355	319	4	28	23x12	600	

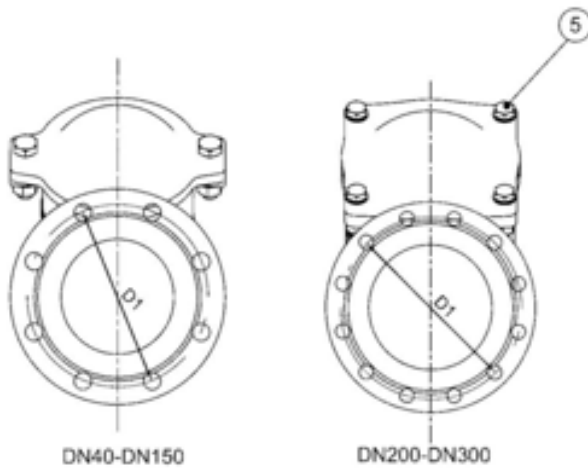
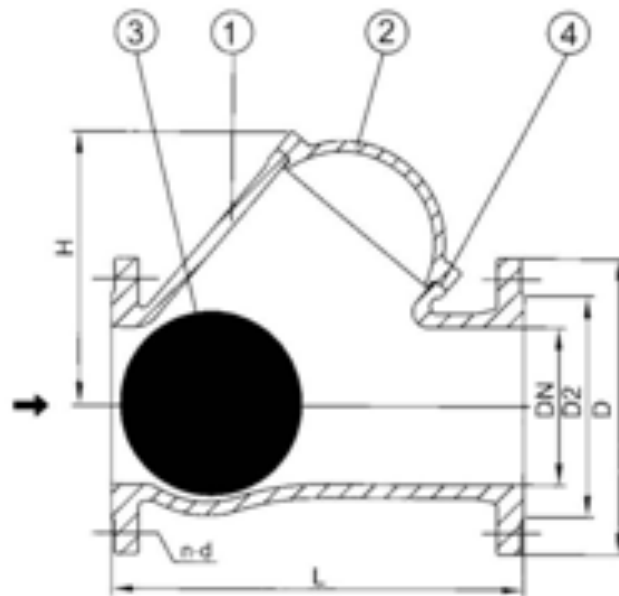
PN16								
DN (mm)	D (mm)	k (mm)	d (mm)	f (mm)	C (mm)	n-d (mm)	L (mm)	
50	165	125	99	3	20	19x4	200	
65	185	145	118	3	20	19x4	240	
80	200	160	132	3	22	19x8	260	
100	220	180	156	3	24	19x8	300	
125	250	210	184	3	26	19x8	350	
150	285	240	211	3	26	23x8	400	
200	340	295	266	4	30	23x12	500	
250	395	355	319	4	32	28x12	600	

PN25								
DN (mm)	D (mm)	k (mm)	d (mm)	f (mm)	C (mm)	n-d (mm)	L (mm)	
50	165	125	99	3	20	19x4	200	
65	185	145	118	3	20	19x4	240	
80	200	160	132	3	22	19x8	260	
100	235	190	156	3	28	23x8	300	
125	270	220	184	3	26	28x8	350	
150	300	250	211	3	26	28x8	400	
200	360	310	274	4	34	28x12	500	
250	425	370	330	4	36	31x12	600	

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## Material List & Dimensions Table DN350-600



Item	Part Name	Material
1	Body	GGG40
2	Ball	Steel + NBR
3	Bonnet	GGG40
4	Bonnet Gasket	NBR
5	Bolt	SS304
6	Nut	SS304

Size	L	D	EN 1092-2 PN10			EN 1092-2 PN16			b	H
			D1	D2	n-d	D1	D2	n-d		
DN350	800	520	460	429	16-32	470	429	16-28	26.5	615
DN400	900	580	515	480	16-28	525	480	16-31	28	680
DN450	1000	640	565	548	20-28	585	548	20-31	30	791
DN500	1150	715	620	609	20-28	650	609	20-34	31.5	866
DN600	1350	840	725	720	20-31	770	720	20-37	36	1110