

# V201

## SWING CHECK VALVE



### Product Description

TVN V201 Swing Check Valves are the main type of non-return valve being used in water networks and pumping station for years. Due to its one way valve construction, it allows the fluid flow in single direction and prevents the reverse flow by closing the disc part located in the valve whether by its own weight or with the water backflow. Easy to do maintenance by removing the bonnet part. Flow direction arrow on the valve should be followed during installation.



Technical Data	
Size range	DN50 - DN300
Pressure range	PN 10 -16
Temperature	-10°C to +110 °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

- Potable water applications
- Water treatment and distribution systems
- Food and chemical enterprises
- Heating, ventilation and air conditioning systems
- Sea water applications

### Related Products

- V651 Gate Valve
- V106 Double Eccentric Butterfly Valve
- V251 Dismantling Joint
- V851 Y-Strainer
- V301 Air Release Valve



WASTE WATER



IRRIGATION



POTABLE WATER

# V201

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### Product Features

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- GGG40/50 Ductile Iron Body & Disc allows high impact and stretching resistance
- Full tight closure with its EPDM disc sealing
- The fixed disc structure inside the body maintains the disc rotate in its axis only
- Flow arrow direction should be followed during installation on the line.
- Maintenance free design ensures long life
- Versions with counter lever&weight, with spring or with damper are optional
- Ensures minimized pressure loss and increased energy efficiency
- Full coating on the body and disc internally & externally with an average of 250 microns. Higher coating thicknesses are available when required.
- WRAS approved coating available upon request which meets hygienic requirements for potable water applications
- Opens smoothly when pump starts and closes quickly and quietly when pump stops
- Possible to install in the directions of horizontal(bonnet part up) or vertical(upstream flow)
- All interior parts are with hygienic materials
- Hydrostatic test pressure for seat: PN x 1.1 , for shell: PN x 1.5 according to EN 12266-1.

### Technical Drawing

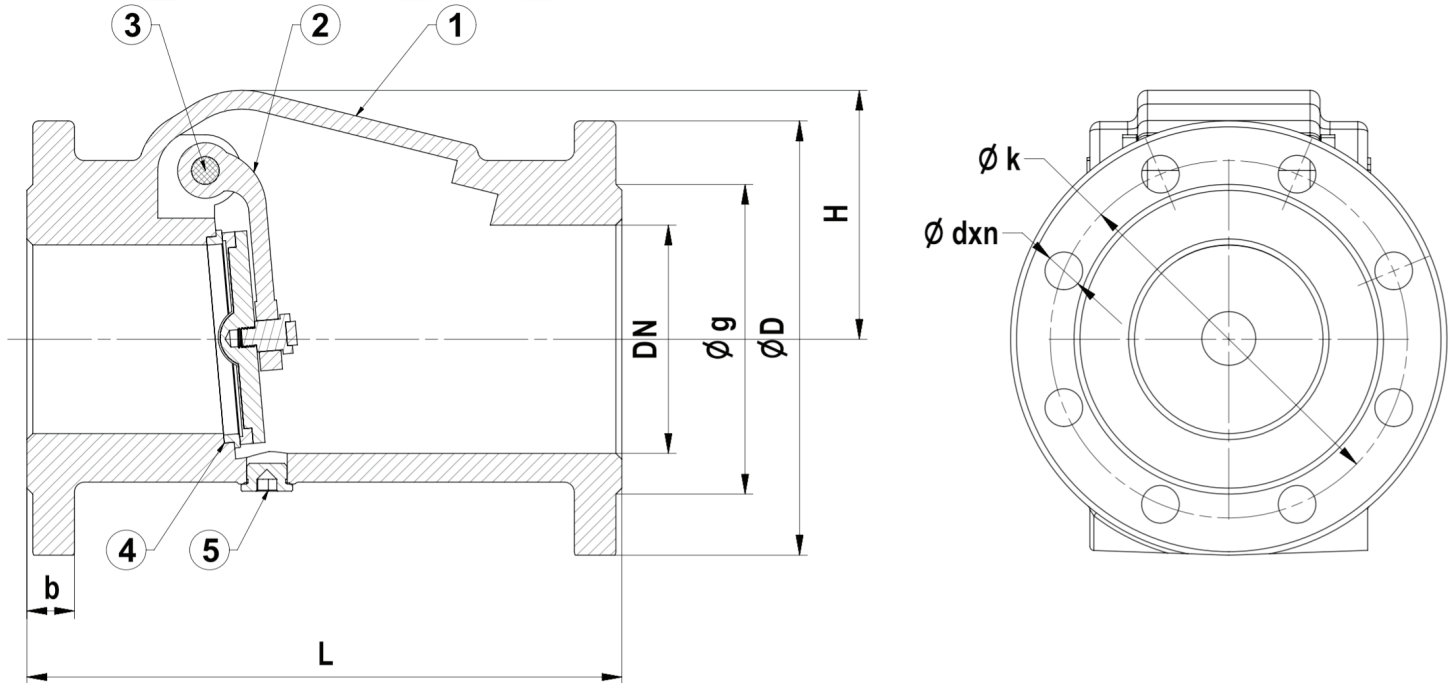
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### Material List & Dimensions Table



No	Part Name	Material Type
1	Body	GGG50 Ductile Iron
2	Disc	GGG50 Ductile Iron
3	Stem	AISI 420 Stainless Steel
4	Seat	CuZn40Pb2 - CW617N Brass / Stainless Steel
5	Plug	ST37 Steel

PN	16									
DN	40	50	65	80	100	125	150	200	250	300
L	180	200	240	260	300	350	400	500	600	700
H	70	70	87	104	125	157	186	240	295	372
D	150	165	185	200	220	250	285	340	405	460
k	110	125	145	160	180	210	40	295	355	410
g	84	99	118	132	156	184	211	266	319	370
b	18	20	20	22	24	26	26	20	22	25
dxn	19x4	19x4	19x4	19x8	19x8	19x8	23x8	23x12	28x12	28x12
KG	6	7.5	10.5	14	20	20	43	70	120	164