

## **BALL CHECK VALVE USER MANUAL**

### **PRODUCT INFORMATION**

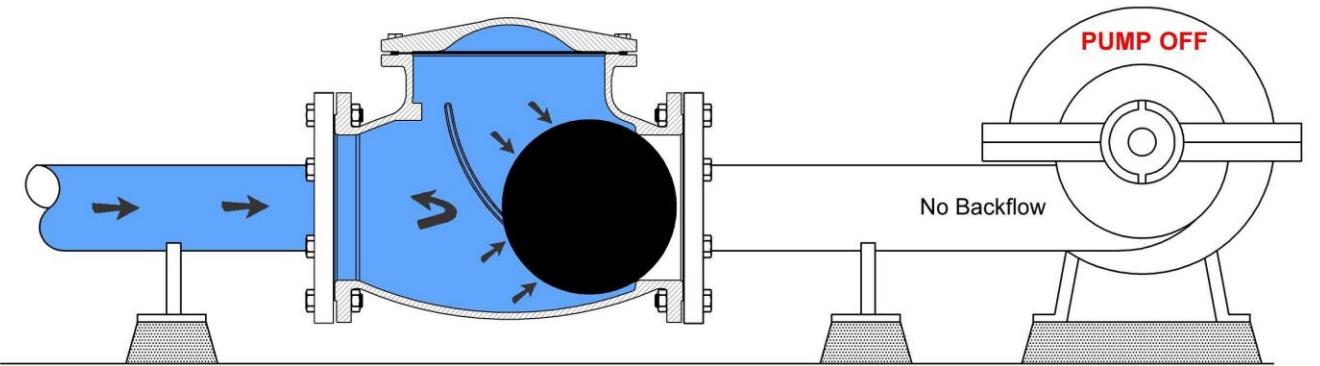
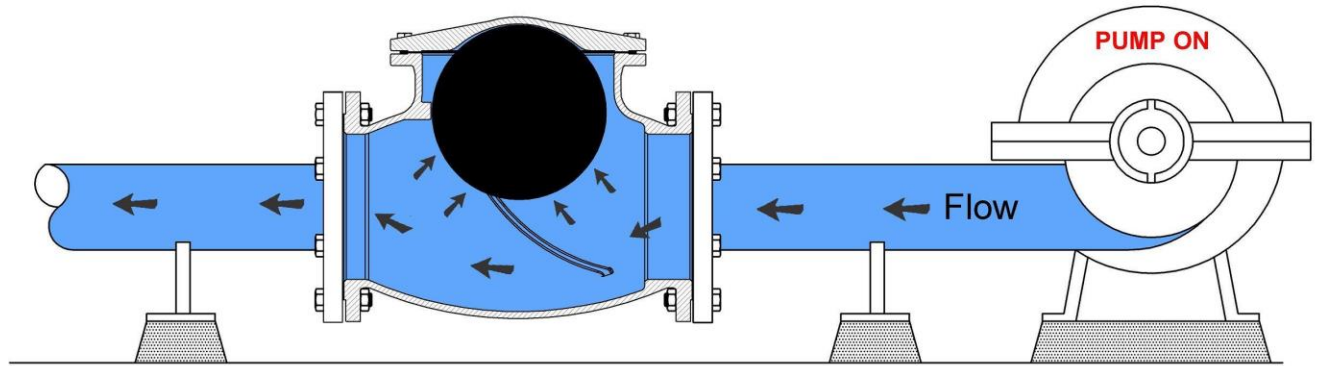
Valve Name	: BALL CHECK VALVE
Nominal Diameter (DN)	: DN40-DN400
Material	: Cast Iron, Ductile Iron, Cast Steel, Stainless Steel, Bronze
Nominal Pressure (PN)	: 10 bar (GG25) /16 bar (GGG40.3)
Working Temperature	: -10°C ...+80°C

### **APPLICATION AREAS**

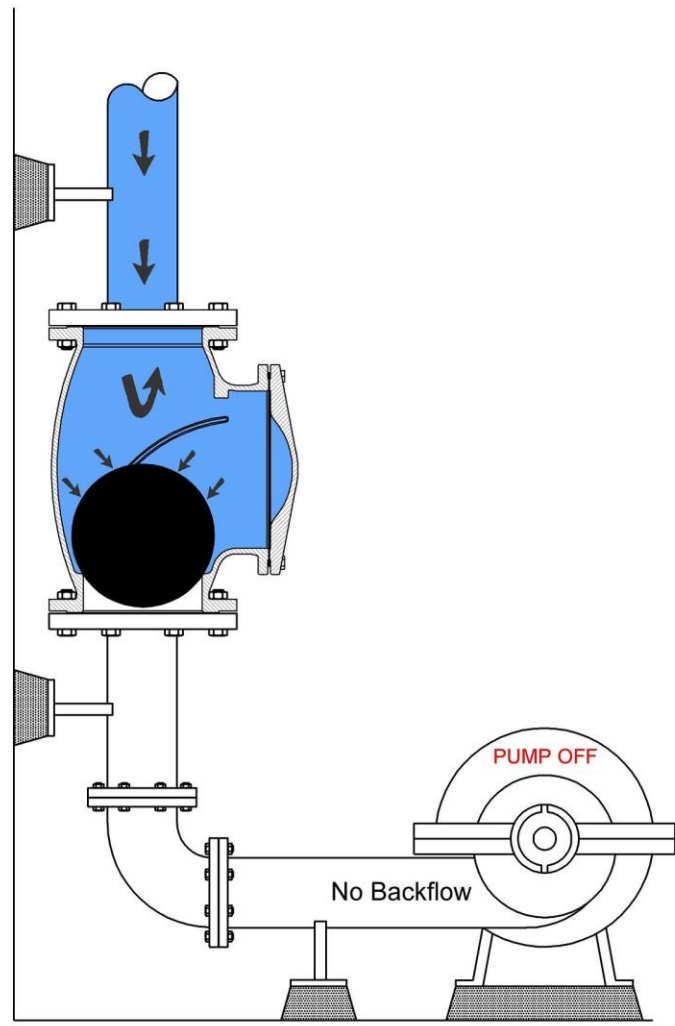
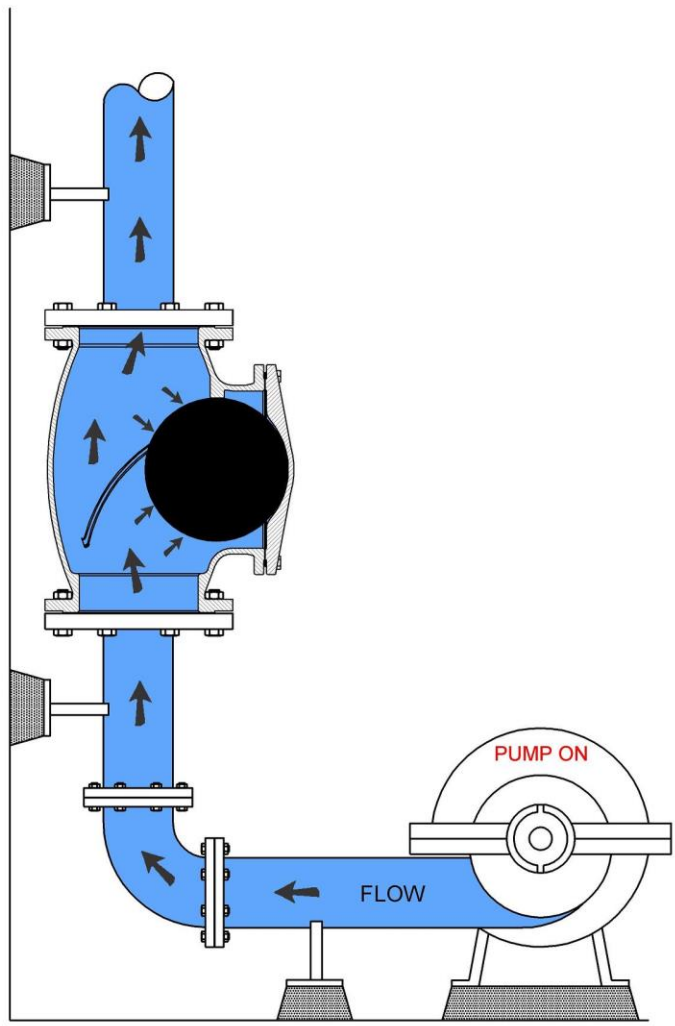
- Cold and hot water systems
- Drinking water and irrigation systems
- Firefighting systems
- Pumping stations
- Storage tanks
- Pipe lines

**\*NDFT is 120 microns unless otherwise specified by the purchaser.  
(for coated valves)**

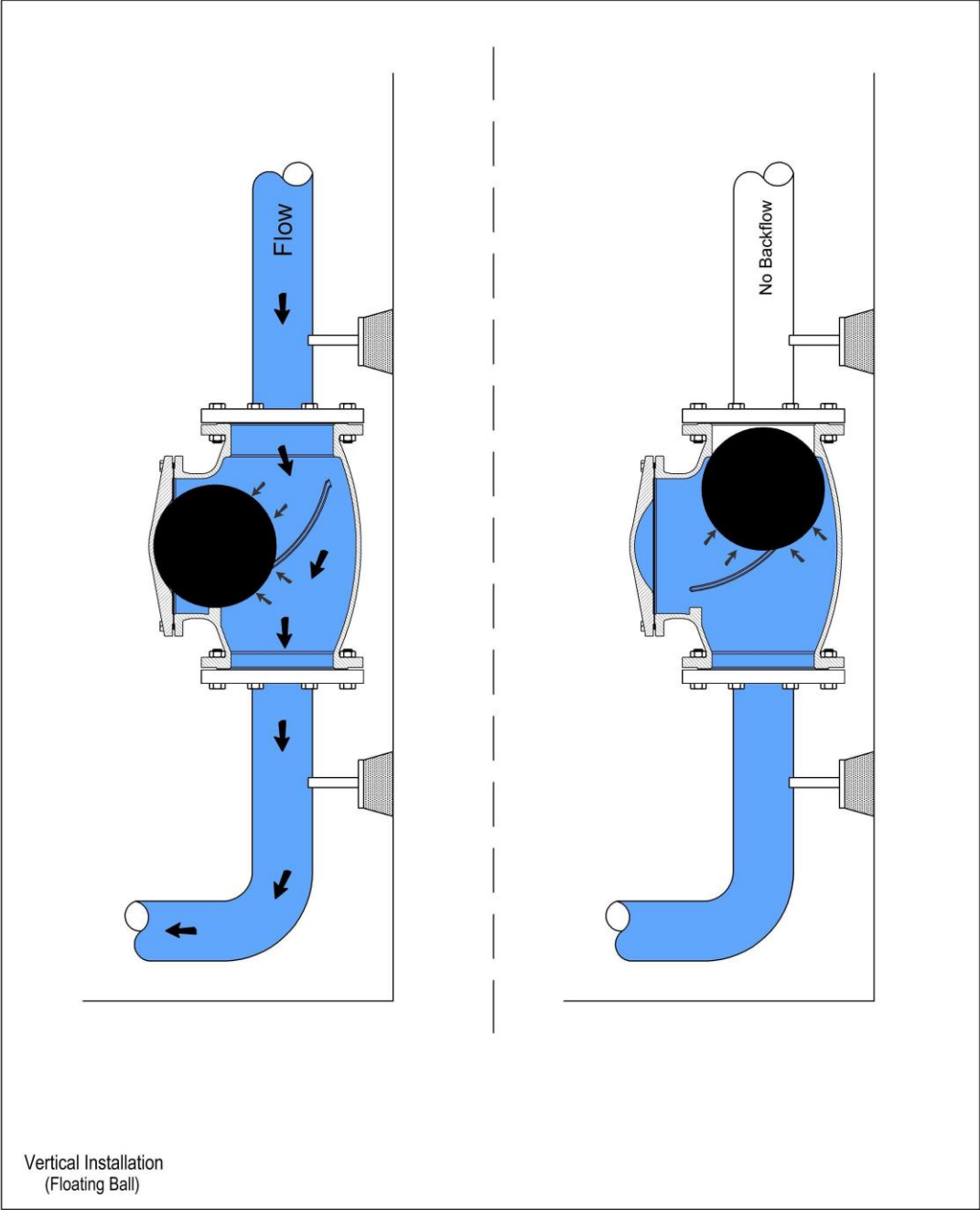
- \*Check valves, used to prevent backflow of fluid flow in the pipeline.
- \*Pumping facilities, in particular, in the event of the pump circuit is used in order to prevent back flow
- \*Ball closes with its own weight.
- \*These valves can be used for the drainage water, sewage, process water and high viscosity fluids containing particles, such as muddy water.
- \*Sewage and septic lines of buildings, industrial facilities, process fluids, high viscosity and particulate content, bulk fluid circuits of settlements check valves sewer lines and treatment systems commonly used applications.
- \*There is a rotating ball in the check valve. The fluid which is constantly moving with the rolling, self-cleaning coating the lining of the ball and check valve prevents dirt build-up allows you to run without stiffness.  
With the help of the special structure of ball that does not block.
- \*The pressure loss is low, does not cause loss of energy.  
With the top cover, cleaning and repair of the valve without removing from the line the valve can be done.
- \*Before mounting the valve, the pipeline should be cleaned with pressure air or steam in order to eliminate the potential burrs, corrossions, foreign substances and dirt which may exist within the line.
- \*Both the axes of the pipes where they will be mounted and the hole axes of the connection element to be used should be in the same axis.
- \*In flanged connections, bolts suitable for flange holes should be used.
- \*If the connection element is flange, its bolts will be released by tightening them mutually, then the bolts will be tightened back in torque values given mutually.
- \*If the space for valve is left during installation, both the length of the valve and the length of the leakage elements to be used should be calculated before leaving such space.
- \*If the type of the connection will be threaded, the length of the thread on the pipe should not be less than the length of the valve thread.
- \*For the valve to be newly mounted, the labels / covers on both flanges should be removed.
- \*The valve to be mounted on the installation should be mounted considering the flange side, where the technical specifications are indicated, will be the inlet part. Afterwards, the other side will be mounted on the installation so as to eliminate the possibility of pulling tension.
- \*While connecting the check valve to the installation, please ensure that the direction arrow should be in flow direction.
- \*For detail information, please look at the DIKKAN catalogue of product or get in touch with our company.
- \*Repairing and changing components cannot be done by end user. These shall be done by manufacturer



Horizontal Installation  
(Sinking Ball)



Vertical Installation  
(Sinking Ball)



Vertical Installation  
(Floating Ball)