



# Braukmann V6001 Flanged Butterfly Valve

Installation instructions



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## GB

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## 1 Safety Guidelines

1. Follow the installation instructions
2. Use the appliance
  - according to its intended use
  - in good condition
  - with due regard to safety and risk of danger
3. Note that the appliance is exclusively for use in the applications detailed in these installation instructions (see 2 Technical Data). Any other use will not be considered to comply with requirements and would invalidate the warranty
4. Please take note that any assembly, commissioning, servicing and adjustment work may only be carried out by authorized persons.
5. Immediately rectify any malfunctions which may influence safety

## 2 Technical Data

<b>Media</b>		
For heating and cooling systems		
Medium:	Water with max. 50 % glycol according to VDI 2035	
<b>Operating pressure</b>		
Max. pressure for water:	Between flanges:	End of the line:
	16 bar DN25-DN400	16 bar DN25-DN400
Max. pressure non-hazardous liquids:	16 bar DN25-DN400	10 bar DN25-DN400
	<b>Operating temperatures</b>	
Min. operating temperature:	-10 °C	
Max. operating temperature:	120 °C	
<b>Specifications</b>		
Approvals:	Complying with European Directive 2014/68/EU PED (ex 97/23/CE)	

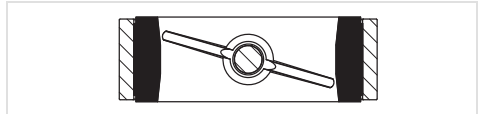
## 3 Options

For Options visit [resideo.com](http://resideo.com)

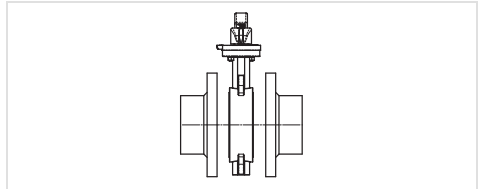
## 4 Assembly

### 4.1 Installation Guidelines

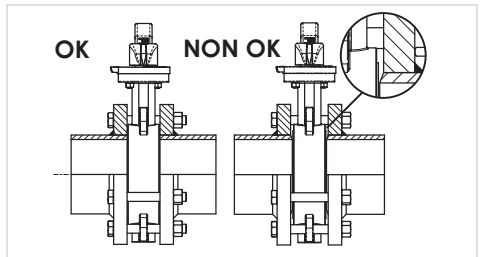
- Avoid inclinations, torques and non-alignments of the piping which could stress the valve once installed.
- Do not use the softest parts (handle, wheel) to lift the valve. The valve disc must be half open.



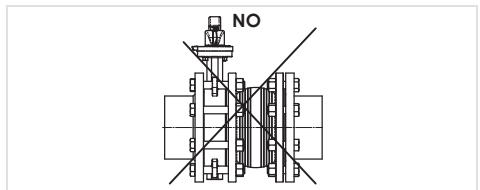
- Place the valve between two flanges. When placing valves between flanges, make sure that there is enough space not to damage rubber. Do not install gaskets between valve and flanges.



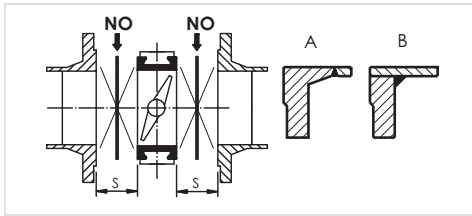
- Protruded sharp ends shall be strictly avoided as it causes damage on/off rubber seating surfaces of the butterfly valve.



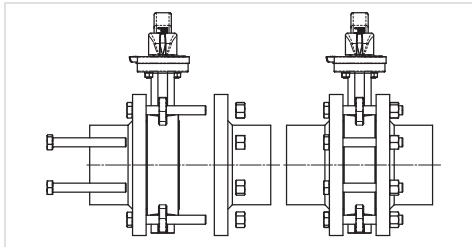
- Do not install the butterfly valve on a rubber to rubber surface (e.g. expansion joints); the perfect installation shall be on rubber to metal surface.



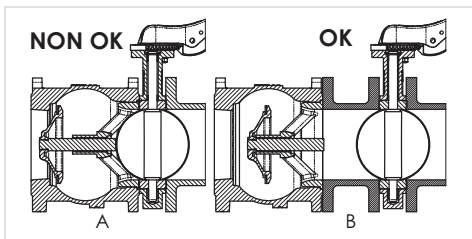
- Do not place joints between flange and body - We recommend the use of flanges of the WELDING NECK type.
- When using flat flanges make sure the pipe is welded exactly edgewise with the flange.



- Centre the valve by bolting the body locator first. Tighten bolts and nuts in progressive and crosswise with bolting pressure evenly distributed until the contact between valve body and flange faces.



- Water hammers might cause damage and ruptures. Inclination, twisting and misalignments of the piping may subject the installed valve to excessive stresses. It is recommended that elastic joints be used in order to reduce such effects as much as possible.
- The fluid turbulence may increase the wear and reduce the valve endurance. In order to reduce the instance it is recommended to install the valve at a distance equal to at least 1 time the DN upstream and 2-3 DN downstream of fittings and bends.
- In open position the valve shows a greater space occupied than the nominal face to face. You need to verify that there aren't interferences with other elements of the piping which could cause damages or malfunctions,
- In this case you need to set up a spacer to permit the right functioning



## 5 Transportation and Storage

- Handle with care. Keep in a dry place
- During the storage the valve disc must be half open
- Avoid, especially on the most softest parts (handles, wheels, reducers/actuators)
- Do not use the most softest parts (handle, wheel) to lift the valve

## 6 Maintenance



### WARNING!

Before to proceed in any intervention of maintenance or disassembly:

- ▶ Wait the cooling of the piping, the valve and the fluid
- ▶ Let the pressure escape and drain line and piping in the presence of poisonous, corrosive, inflammable and caustic fluids
- ▶ Temperature over 50 °C and under 0 °C can hurt people



No maintenance required (do not service).

## 7 Disposal

If there is a possibility of residue remaining in the valve, take due safety precaution and carry out required cleaning operation.

Personnel in charge must be trained and equipped with appropriate protection devices.

Prior to disposal, disassemble the valve and separate the component according to various materials.

Please refer to product literature for more information.

Forward sorted material to recycling (e.g. metallic materials) or disposal, according to local and currently valid legislation and under consideration of the environment.



Manufactured for  
and on behalf of  
Pittway Sàrl, Z.A., La Pièce 6,  
1180 Rolle, Switzerland

For more information  
**resideo.com**  
Ademco 1 GmbH, Hardhofweg 40,  
74821 MOSBACH, GERMANY  
Phone: +49 6261 810  
Fax: +49 6261 81309

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