

# PVC Flanges

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## Design

Flanges allow you to create a leakproof connection when connecting to piping system components. They create an easy disconnection point allowing for easy system maintenance or adjustments.

The Waterworks range of PVC flanges to suite series 1 white PVC pressure pipe manufactured to AS/NZS 1477 include:

- **PVC Stub Flanges with galvanised backing rings:** One side of this flange is a PVC socket that is glued onto the pipe, and the other side has a flat surface that creates the flange sealing face when used with a flange gasket or against a valve liner. The backing ring is made from hot-dipped galvanised steel and sits over the PVC stub flange socket. Being two separate components, the backing ring can rotate allowing for accurate alignment.
- **PVC Fixed Full Face Flanges:** These robust flanges have a heavy PVC wall thickness and ribs on the outside of the socket for added strength. These flanges don't allow for realignment once installed.
- **Van Stone Rotating Ring type flanges:** These versatile flanges consist of a center stub and backing ring made from heavy-duty PVC. You can rotate the backing ring even when the flange is glued into place, allowing for realignment in your piping system. Sizes 50mm to 100mm have a dark grey coloured backing ring, and 150mm to 300mm have a light grey coloured backing ring which is glass reinforced PVC providing greater strength for the bigger sizes.

## Flange Configurations

**PVC Stub Flanges with galvanised backing rings:** AS2129 Table E bolt pattern. Some sizes in this range will also match the Table D specification.

**PVC Fixed Full Face Flanges:** Universal bolt configuration.

**Van Stone Rotating Ring type flanges:** Universal bolt configuration.

## Sizes

**PVC Stub Flanges with galvanised backing rings:** 50mm to 375mm

**PVC Fixed Full Face Flanges:** 50mm to 150mm

**Van Stone Rotating Ring type flanges:** 50mm to 300mm

## Applications

All very robust flanges that can be used in general water reticulation i.e. irrigation systems, water treatment, filtration, swimming pool water reticulation. And many other industrial and plumbing applications.

## Pressure Rating

All PVC flanges have a standard pressure rating of PN6 to PN18 at 20°C. This will depend on the size and flange configuration.

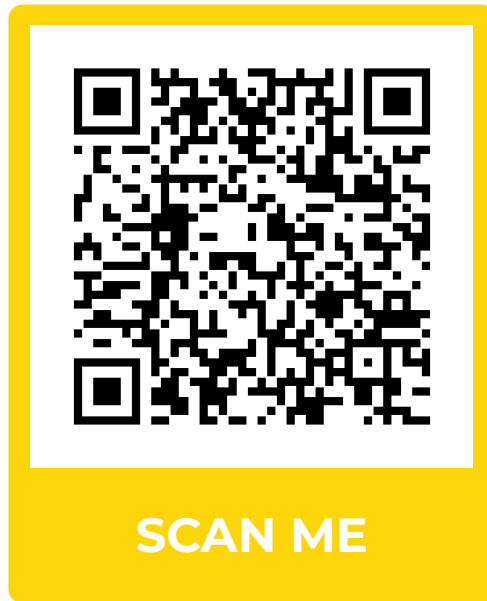
\*Will need to be derated if flanges are being used above 20°C.

## Temperature Range

4°C - 40°C to max 60°C.

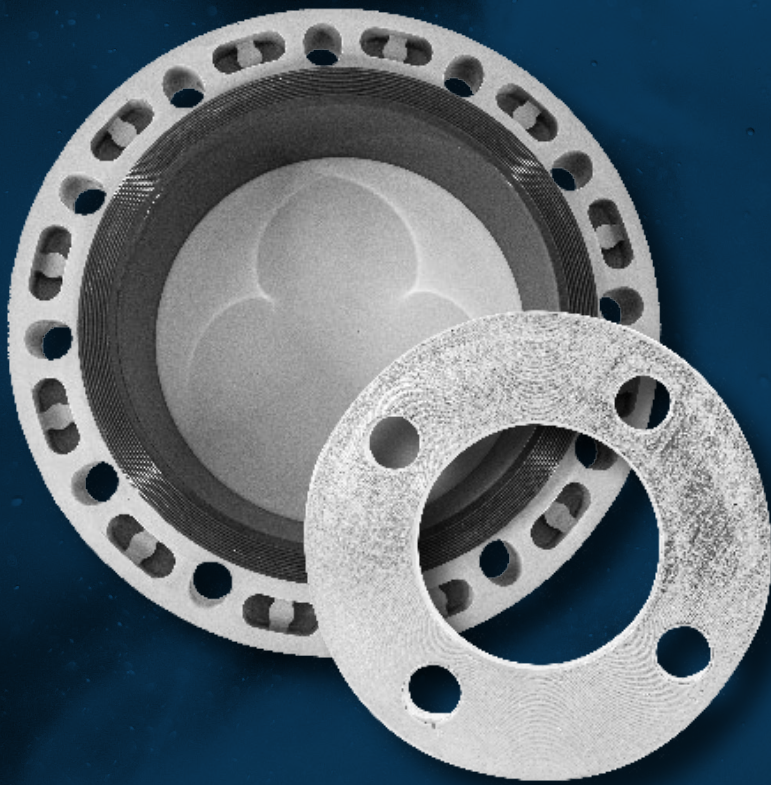
\*Maximum and minimum temperatures are not recommended for continuous operation for applications of continuous fluctuations to these temperatures.





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