

# MasterSeal<sup>®</sup> 953VF

## PVC flange for vertical injection

### DESCRIPTION

**MasterSeal 953VF** is made of plasticised polyvinyl chloride (PVC) that can be fully or partially welded onto PVC geomembranes. This device comprises an upper aperture to allow the connection to injection hoses/pipes, followed by a vertical shaft with an alternance of cylindrical sections of different diameters with two truncated-cone-shaped transitions and a lower flat flange, to allow welding to membranes.



### USES

**MasterSeal 953VF** can be used to allow the injection of different types of sealing products on top or through a waterproofing geomembrane, normally as a part of a compartmentalized system. Please consult Master Builders Solutions Technical Service for different types of injection resins.

**MasterSeal 953VF** can also be used as a control device to monitor the watertightness of double layer vacuum system, allowing the extraction of air in between the two layers. The shank of the injection pipe can be cut where needed, in such a way that the inner diameter fits to the outer diameter of the element that must pass through.

### ADVANTAGES

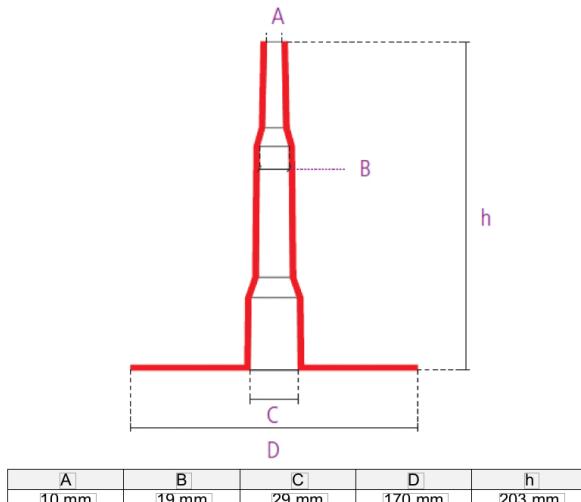
- Manufactured with PVC
- Compatible and weldable to any Master Builders Solutions PVC geomembrane
- Resistant to deterioration by the sun, ozone and other agents or chemicals normally found in the atmosphere or water stratum
- Excellent flexibility even at low temperatures
- Long-lasting, mechanical properties are maintained in the long term
- This type of PVC allows the use on concrete constructions ensuring excellent resistance not only to aging and chemical attack in alkaline environments but also to brackish water or acid solutions

### PACKAGING

**MasterSeal 953VF** is supplied in a packing of 25 pieces / box.

### TYPICAL PROPERTIES\*

Material	PVC
Appearance	Smooth surface
Colour	Light grey / White
Overall diameter	170 mm
Overall height	203 mm
Unit Weight	Approx. 150 g/piece
Operating temperature	-30°C to +70°C



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## APPLICATION GUIDELINES

- The application or installation of these devices is carried out on top of the compatible geomembrane, thermally welding the injection device to the membrane with a hot air welding gun.
- The weldability and the quality of the connection depends on the atmospherically conditions (temperature, humidity), the welding parameters (speed, temperature and pressure) and the superficial condition of the membrane (cleanliness and moisture).
- In order to ensure a perfect connection with the injection hoses, it is recommended to use a quick connection fitting.
- Only skilled and experienced personnel shall carry out the installation of these devices.

## QUALITY AND CARE

All products originating from Master Builders Solutions Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational Health & Safety standards ISO 9001 and ISO 14001.

\* Properties listed are based on laboratory controlled tests.

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## STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

## NOTE

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**Disclaimer:** the TÜV mark relates to certified management system and not to the product mentioned on this datasheet



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