



AVK HDPE CLAMPS INSTALLATION, OPERATION & MAINTENANCE MANUAL

Instruction for use

Thank you for selecting an AVK product. With correct use, the product is guaranteed to deliver a long and reliable service. This manual has been prepared to assist you with the installation, operation and maintenance of the valve to the maximum efficiency. For ease of reference, it has been divided into sections covering all aspects of use, and it is in the users best interests to read it and ensure that it is fully understood.

Health and Safety

It is always recommended that wherever work is being carried out on a valve that the valve is fully depressurised prior to carrying it out, and for the convenience draining of the line may be beneficial.

It is essential that the user of the valve is aware of the weight of the components and/or assemblies that must be handled and manipulated during installation and maintenance. It is the users responsibility to ensure that safe working practices are followed at all times.

Whenever AVK products are installed, operated, or maintained, it is essential that the staff that undertake these operations be adequately trained. The hazards of pressurised liquids and gases can be severe, and it is the responsibility of the users to ensure that trained, competent staff undertake these duties. This manual has been designed to assist, but it can never fully replace quality training in the workplace. AVK technical staff will always be available to answer any questions relating to specific problems that may not be covered by this manual.

AVK products are designed and manufactured to be fit for purpose, and to a high and reliable standard. This provides a safe product with minimum risk to health when used correctly for the purpose for which it was designed. However, this assumes that the equipment is used and maintained in accordance with the manual, and the user is advised to study this manual, and to make it available to all staff that may need to refer to it.




AVK cannot be held responsible for any incidents arising from incorrect installation, operation or maintenance. The responsibility for this must rest wholly with the user.

AVK HDPE CLAMPS INSTALLATION, OPERATION & MAINTENANCE MANUAL

Generic Instructions

To be read in conjunction with 'Type Specific Installation Information'. Please read ALL information in this guide prior to installation. Please refer to 'AVK Clamps & Tapping Saddles Installation, Operation and Maintenance Manual' for additional information on AVK clamp types and step-by-step instructions.



CLAMP TYPE	STEP	Type Specific Installation Information
	NA	Follow Generic Instructions
	6	If the pipe oftake opening is to be pre-tapped, ensure that the clamp's tapping oftake sits concentric to the pipe opening. Then comply with Step 6 – Generic Instructions
	6	Limit the rotation of the clamp on the pipe to a minimum so as to avoid dislodging the seal around the offtake. Then comply with Step 6 – Generic Instructions

IMPORTANT - PLEASE READ PRIOR TO INSTALLATION

Nitrile rubber gaskets are only recommended for use in temperatures ranging from -10° to 60°C. Corrosive environments, including soils with a Chloride content in excess of 1000ppm, can have a detrimental effect on Stainless Steel. Where a product is intended for use in such environments, additional advice should be sought from AVK prior to installation. It is recommended that periodic assessment and maintenance of the clamp be undertaken in such environments. AVK HDPE clamps are only suitable for buried applications and should not be used to join pipe. AVK HDPE clamps are only suitable for application on High Density Polyethylene pipe rated PN12.5 or greater. In repair applications, the clamp should be positioned centrally over the pipe damage. AVK HDPE clamps are only suitable for application where the maximum dimension of a pipe wall penetration (repair) or oftake size (tapping) is no greater than 1/3 of the outside diameter of the pipe. Where possible, jagged pipe wall penetrations should be dressed to a rounded profile to avoid localized stress concentration. Surface blemishes such as scratches and gouges that penetrate deeper than 10% of the pipe wall thickness are considered damage and should be completely covered by the clamp.

Please contact AVK if you need to further clarify the suitability of this product for your application.