AVK VARI-TAP COMPATIBILITY SELECTION
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 assembles 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.

Generic Instructions

Certified to Australian and New Zealand standards - AS/NZS 4793. Please read ALL information in this guide prior to installation. The nitrile rubber gasket in this product is only recommended for use in temperatures ranging from -10˚C to 60˚C. Type R configuration should not be used on pipe with a ring stiffness rating of less than SN 10,000.

Recommended Equipment:

- Tension Wrench (0-150Nm) & 24mm long thread socket
- Pipe surface cleaning equipment

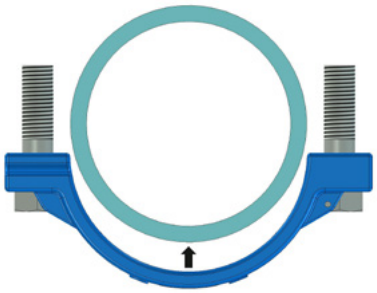
SADDLE CONFIGURATION	PIPE MATERIAL	PIPE STANDARD
TYPE R CONFIGURATION FOR RIGID PIPE	MSCL	AS 1579
	GWI	AS 1074
	DICL	AS/NZS 2280 / ISO 2531
	CICL - CLASS B	AS 1724
	CICL - CLASS C	AS 2544
	AC – Class AB & CD	AS 1432
	ABS (PN9 or higher)	AS 1711
	GRP (SN 10,000 or higher)	AS 4058
TYPE F CONFIGURATION FOR FLEXIBLE PIPE	PVC-U (Sr.2 only)	AS/NZS 1477
	PVC-M (Sr.2 only)	AS/NZS 4765
	PVC-O (Sr.2 only)	AS/NZS 4441
	HDPE (PN12.5 or higher)	AS/NZS 4130

Initial Preparation

Clean the pipe surface, making sure it as clean and free of soil and mud and scale as possible in order to achieve the best possible seal.

1. Postioning

for ALL pipe types, position bottom band in the desired location on the pipe. Select an area of pipe that is as clean and free of blemish as possible.

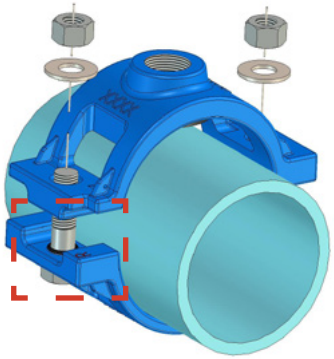


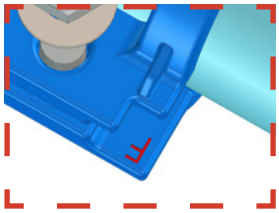
2. Configuration

For flexible pipe, position top band to make ‘F’ visible in the cut-out corner.

TYPE **F** CONFIGURATION
FOR FLEXIBLE PIPE

PVC-U Sr.2
PVC-M Sr.2
PVC-O Sr.2

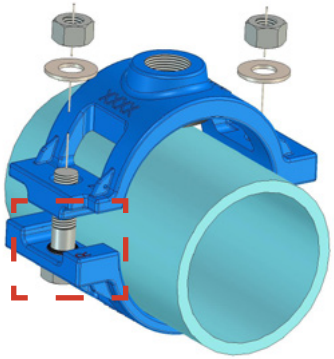


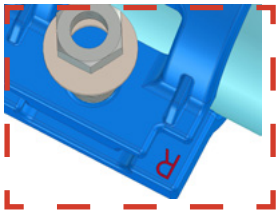


For rigid pipe, position top band to make ‘R’ visible in the cut-out corner.

TYPE **R** CONFIGURATION
FOR RIGID PIPE

MSCL/GWI
DICL
CICL : class B & C
AC : class AB & CD
ABS (≥PN 9)
GRP (≥SN10,000)





3. Tightening

Avoid rotating the saddle once in contact with the pipe. Hand tighten nuts and then tension to:

- TYPE **R** - 80Nm torque
- TYPE **F** until clamp halves make contact around the pipe