

AqvaShield

Couplings & Flange Adaptors

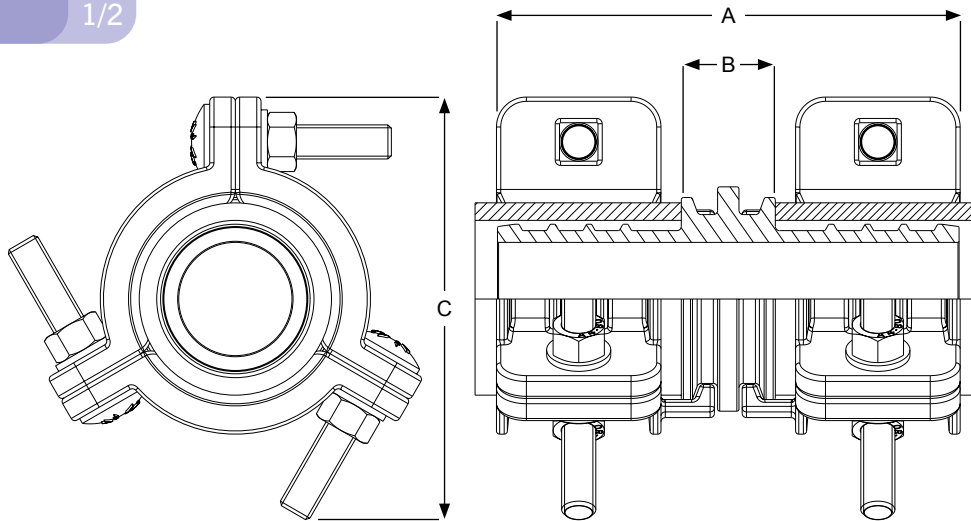
Universal fittings for barrier pipes



DN90

 **VIKING JOHNSON®**

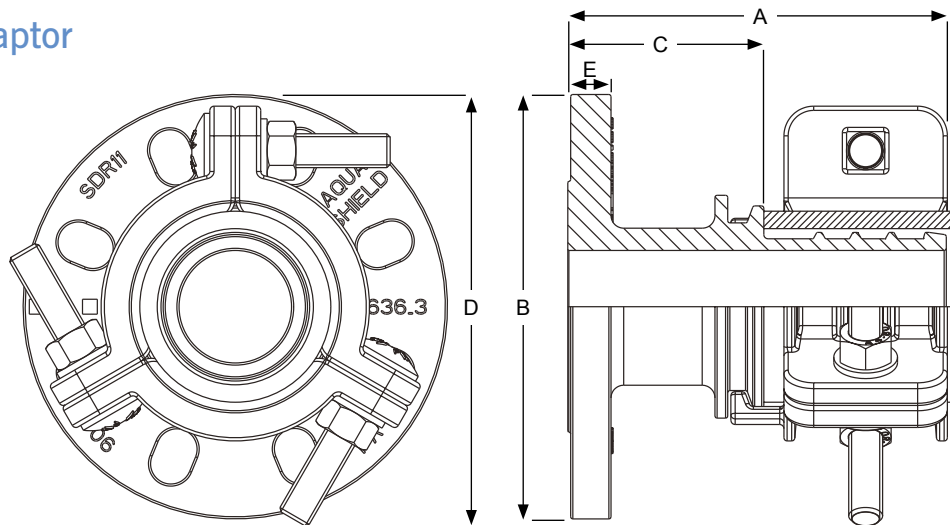
Coupling



AquaShield Coupling

Pipe OD	SDR Rating	Dimensions (mm)			Clamp Band Bolts		Weight (kg)
		A	B	C	No. of Bolts	Bolts size	
90	11	217	45	198	6	M16 x 80	7
90	17	217	45	198	6	M16 x 80	7

Flange Adaptor



AquaShield Flange Adaptor

Pipe OD	SDR Rating	Flange Drilling		Dimensions (mm)					Clamp Band Bolts		Weight (kg)
		Nom (DN)	Metric Drilling Specification	A	B	C	D	E	No. of Bolts	Bolts size	
90	11	DN65 / DN80	PN10 / 16	179	200	93	198	20.34	3	M16 x 80	9
90	17	DN65 / DN80	PN10 / 16	179	200	93	198	20.34	3	M16 x 80	9

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Technical Information

Working Pressure Rating

Water 16 bar

Gas not approved

Vacuum Pressure

Water -0.8 bar

Site Test Pressure

1.5 times working pressure for short duration (2 hours)

Pipe Material

Compatible* with following barrier pipe materials:-

- GPS Protectaline
- Radius Puriton
- Egeplast SLA

In addition, works on standard PE Pipe to BS EN 12001:2011/2012

In all cases the SDR rating must be either 11 or 17.

* Relevant tests have been conducted and certifications obtained in accordance with BS 8588:2017 and BS8561 for the barrier pipe materials listed above.

Angularity

Not Applicable

Bolt Torque/Spanner

Torque 180-200Nm on every bolt

Spanner size A/F 24mm

Temperature Rating of Product

-20 C to + 40 C

For optimal installation temperature, please refer to the installation manual.

End Load Due to Internal Pressure

AquaShield fully restrained fitting and has been designed to meet Type 1 performance requirements in accordance with BS8561.

Approvals

The following water contact materials used in AquaShield are approved for use with potable water:-

Rilsan Nylon 11:

- WRAS, AS/NZS 4020, DVGW, W270, ACS & KIWA

Permeation test in accordance with BS 8588:2017 conducted and independently verified by RINA test laboratory.

Verification of compliance with BS8561 and BS8588 by Water Research Centre (WRc) (Pending).

KIWA UK Reg4 Approval (Pending).

Materials & Relevant Standards

Coupling, Flange Adaptor & Clamp Bands

SG Iron to BS EN 1563 Symbol EN-GJS-450-10

Bolts

Stainless Steel grade A2-70

Nuts

Stainless Steel grade A4-80

Coatings:

Cast/Metal Components:

- Rilsan Nylon 11 (Black)

Bolts and Nuts:

- Delta Seal Silver GZ

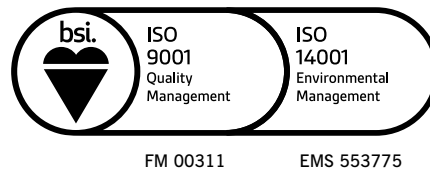


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