



VIKING JOHNSON

AQUAGRIP

Couplings and Flange Adaptors for Polyethylene Pipe

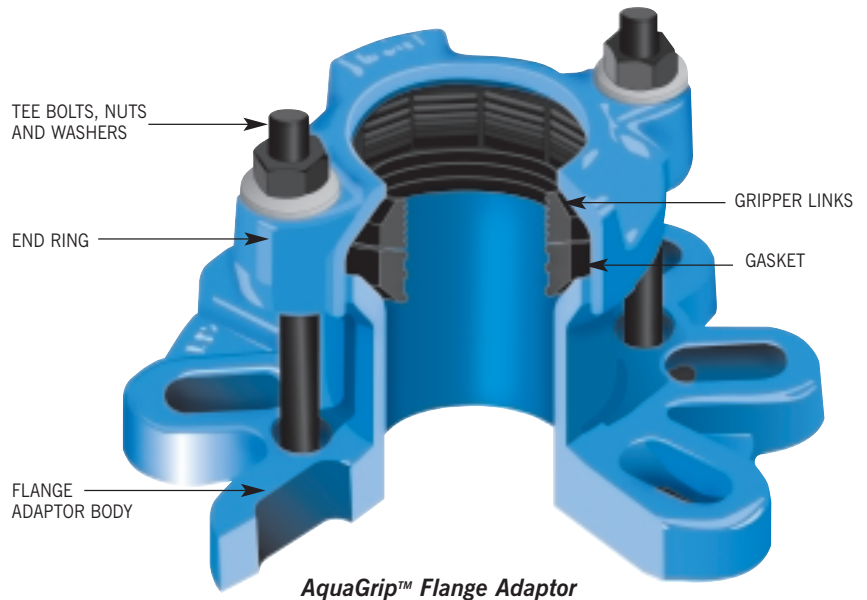


The AquaGrip range was developed in response to demand for a simple, high performance mechanical method of jointing polyethylene pipe.

- specifically designed to support and grip PE pipe to prevent pipe collapse and pullout.
- **Easy and safe to fit**
 - no special skills needed to fit AquaGrip products;
 - ability to rotate the flange simplifies bolt hole alignment.
- **No complicated tools needed**
 - a suitably calibrated torque wrench is the only specialist tool required for sizes up to and including 400mm.
- **All-weather installation**
 - no need for shelters, can be installed under wet conditions, even under water.
- **Ideal for on-the-spot repairs**
 - no need for fusion jointing equipment when unexpected problems arise.
- **Axial restraint**
 - positive gripping action ensures full axial thrust restraint on all sizes up to and including 450mm*
- **Full pressure rating**
 - designed to equal or exceed the pressure capabilities of MDPE (PE80) and HPPE (PE100) pipe.
- **Total protection**
 - Rilsan Nylon coated flange body and clamp bands (other coatings available on request).

* UK Water Industry Standard WIS 4-24-01 Type 1. Beyond this size performance is dependent on outside diameter and SDR rating, but at least Type 2. Please ask our Technical Support Department for details.

AquaGrip™ sizes up to and including 180mm



AquaGrip™ Flange Adaptor

Lightweight, compact design

- Easier handling, quicker installation.

Slip-on coupling

- Without centre stop or obstruction making it easier to effect repairs to existing pipelines.
- No need to dismantle products to install them.

Same size bolt throughout range (up to 180mm)

- Carry just one spanner/wrench for all pipe sizes.

End load bearing (up to 180mm)

- Flange adaptors and straight couplings designed to the full Type 1 performance requirements of WIS 4-24-01.

Axial pipe adjustment

Substantial axial pipe adjustment up to 50mm - ideal for making pipe insertions, valve insertions, etc. into existing lines. No need for precise cutting of the pipes or machined pipe ends.



Approvals

- Approved by the UK Water Regulations Advisory Scheme.

Versatile range available

- Straight couplings for simple, convenient repairs, or new lay connections.
- Flange adaptors to introduce valves and flanged fittings or connect to existing flanged pipework.
- Transition joints to connect PE pipe to other pipe materials.
- Supplied complete with liners for PE pipes.



AquaGrip™ Coupling

AquaGrip™

sizes over 225mm and larger

AquaGrip Flange Adaptor

- Choice of flange sizes on many pipe ODs can enable down-sizing of expensive valves and fittings.
- Connect to other types of pipe via flange connection or replace damaged pipe lengths with new pipe.
- Introduce flanged fittings, such as metal valves, into a polyethylene pipeline.
- Tackle problems of misshapen polyethylene pipe ends.
- For structural lining use in conjunction with mains refurbishment techniques such as Swage-Line® RollDown® and Die Draw®.

Positive gripping mechanism

- Uniquely designed clamp bands lock onto the anchoring shoulder, providing maximum end restraint.
(Type 1 performance to WIS 4-24-01 up to and including 450mm SDR 11).

Reduce valve and fitting costs

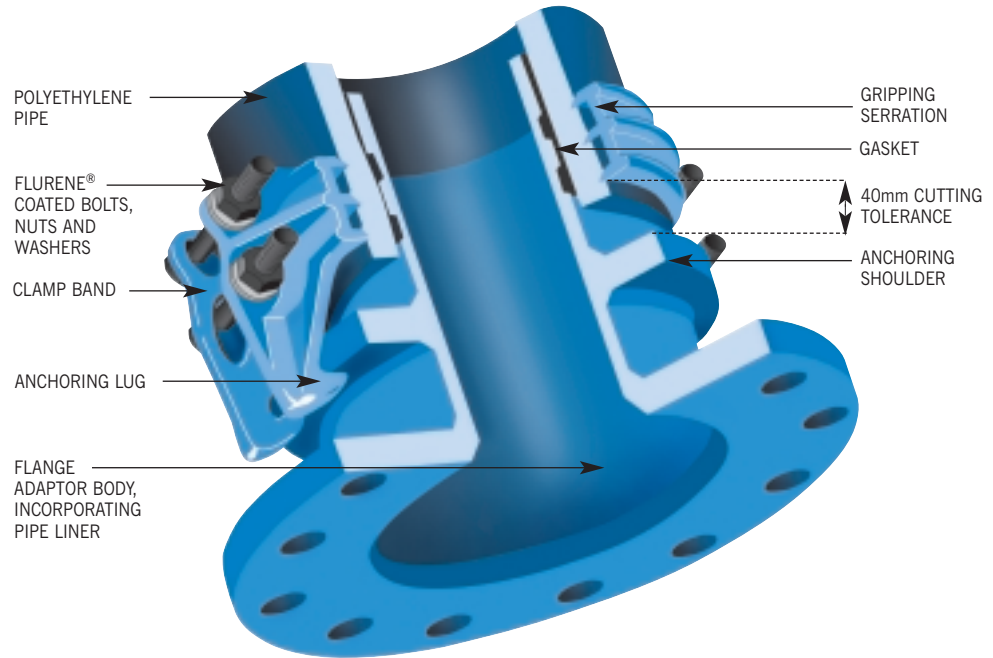
- AquaGrip is available with reduced bore flanges which can help you reduce valve fitting costs eg:
315mm pipe OD x 250mm flange,
500mm pipe OD x 450mm flange.

Generous cutting tolerance

- Can compensate for cutting inaccuracy (40mm minimum tolerance).

Performance criteria

- UK Water Regulations Advisory Scheme approved and designed to meet the performance requirements of WIS 4-24-01. (Type 1 up to 450mm SDR 11, other sizes minimum Type 2).



AquaGrip™ Flange Adaptor



AquaGrip flange adaptor connection to a valve



Back to back adaptors for straight line connections



AquaGrips were used on a pumped sewerage rising main in a tidal zone near Bangor, Wales.

For non-structural lining ask for details of Viking Johnson LinerGrip, designed to offer a flanged termination to PE lined metal pipe.

Bespoke items can be produced for special applications eg. underwater installations. Ask our Technical Support Department for information.

For further information on all Viking Johnson products and services contact our Marketing Department.



ISO 9001



ISO 14001

CRANE

A Crane Co. Company

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