

Designed to perform,
engineered to last



Adaptor Couplings (VAC)

When there is a significant difference in the outside diameter of pipes VIPSeal® adaptor couplings close the gap.



Constructed from the highest quality elastomeric rubber, VIPSeal® Adaptor Couplings are step moulded and fitted with two stainless steel tension bands, providing a sealing solution that's quick and robust.

Quick and easy to install, VIPSeal® Adaptor Couplings exhibit excellent sealing properties when tightened to the correct torque and are designed to accommodate large differences in pipe diameter.

Their design ensures that they can be used on any pipe material, making them the perfect solution for repairing pipes or when joining sections of pipe together.

For applications which require WIS-4-41-01, a VIPSeal® Standard Coupling and bush should be used.

VAR Adaptor Couplings

VIPSeal® VAR adaptor couplings incorporate an extra wide tension band at one end to allow a secure connection from clay pipe to structured, twin wall or ribbed plastic pipe.



| Product Specifications | |
|------------------------------------|---|
| VIPSeal® Product Reference | VAC, VAR |
| Size Range | 35-420mm |
| Material | EPDM Rubber |
| Steel | 1.4301 (304) Stainless Steel / 1.4401 (316) |
| Tightening Torque | 6Nm (35 - 290mm) / 10 Nm (310-385mm) / 13Nm (390mm upwards) |
| Pressure Rating | 0.6 bar / 8.7 psi |
| Jetting Resistance | 120 bar |
| Constant Working Temperature Range | -10° to 60° |
| Standards | EN681-1, EN295-4, MPA, VA, WSSA AS/NZS 4237 |



Applications:

- Connect pipes with a significantly different outside diameter
- Connect lateral to unadopted sewers
- Connect pipes to prefabricated structures: manholes, inspection chambers, septic tanks
- Connect clay pipes to structured, twin wall, and ribbed plastic pipes

Benefits:

- ✓ Manufactured from high grade materials ensuring high performance and long service life
- ✓ Heavy duty worm drives
- ✓ A low cost solution to join pipes or repair damaged sections
- ✓ Withstands internal pressures up to 0.6 bar, constant working pressure. Contact our technical department for intermittent working pressure above 0.6 bar



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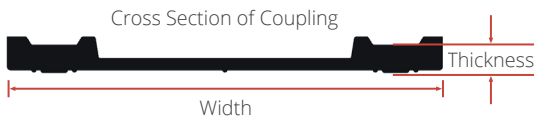
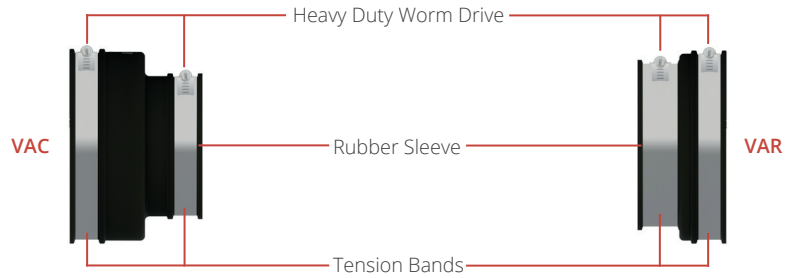
Product Range

| VIPSeal Reference | Range (Pipe O/D) | | Width (mm) | Thickness (mm) |
|-------------------|------------------|---------|------------|----------------|
| | From (mm) | To (mm) | | |
| VAC0752 | 75-89 | 53-63 | 90 | 7.3 |
| VAC1001 | 100-115 | 40-50 | 100 | 7.3 |
| VAC1002 | 100-115 | 50-64 | 100 | 7.3 |
| VAC1003 | 100-115 | 75-90 | 95 | 7.3 |
| VAC1201 | 105-120 | 35-45 | 100 | 7.3 |
| VAC1221 | 110-122 | 80-95 | 100 | 7.3 |
| VAC1225 | 110-122 | 48-56 | 120 | 7.3 |
| VAC1544 | 110-125 | 100-115 | 100 | 8.5 |
| VAC1226 | 110-122 | 60-68 | 120 | 7.3 |
| VAC1361 | 121-136 | 80-95 | 120 | 7.3 |
| VAC1362 | 121-136 | 100-115 | 100 | 9 |
| VAC4000 | 121-136 | 110-125 | 102 | 7.3 |
| VAC1452 | 130-145 | 110-125 | 120 | 8.5 |
| VAC1501 | 135-152 | 100-115 | 120 | 7.3 |
| VAC1552 | 140-155 | 90-105 | 120 | 7.3 |
| VAC1602 | 144-160 | 110-122 | 120 | 8.5 |
| VAC1603 | 144-160 | 121-136 | 120 | 7.3 |
| VAC1701 | 153-168 | 100-115 | 150 | 7.3 |
| VAC1702 | 155-170 | 110-125 | 120 | 7.3 |
| VAC1703 | 155-170 | 130-145 | 120 | 7.3 |
| VAC1801 | 160-180 | 100-115 | 150 | 7.3 |
| VAC1922 | 170-192 | 110-122 | 120 | 8.5 |
| VAC1923 | 170-192 | 121-136 | 120 | 7.3 |

| VIPSeal Reference | Range (Pipe O/D) | | Width (mm) | Thickness (mm) |
|-------------------|------------------|---------|------------|----------------|
| | From (mm) | To (mm) | | |
| VAC1924 | 170-193 | 144-160 | 120 | 9 |
| VAC2000 | 180-200 | 130-145 | 150 | 7.3 |
| VAC2001 | 180-200 | 155-170 | 150 | 7.3 |
| VAC6000 | 180-200 | 160-180 | 150 | 8.5 |
| VAC2100 O/S | 185-210 | 100-115 | 145.5 | 8.67 |
| VAC2102 | 185-210 | 110-125 | 150 | 7.8 |
| VAC2105 | 185-210 | 144-160 | 151 | 8.67 |
| VAC2101 | 185-210 | 160-180 | 150 | 7.8 |
| VAC2152 O/S | 195-215 | 100-115 | 150 | 7.3 |
| VAC2154 | 190-215 | 150-165 | 150 | 7.8 |
| VAC2203 | 197-222 | 150-170 | 150 | 7.8 |
| VAC2254 | 200-225 | 160-175 | 150 | 7.8 |
| VAC2352 | 210-235 | 110-122 | 150 | 7.8 |
| VAC2353 | 210-235 | 121-136 | 150 | 7.8 |
| VAC2354 | 210-235 | 144-160 | 150 | 7.8 |
| VAC2355 | 210-235 | 170-193 | 150 | 7.8 |
| VAC2356 | 210-235 | 190-215 | 150 | 7.8 |
| VAC2654 | 240-265 | 144-160 | 150 | 7.8 |
| VAC2655 | 240-265 | 170-192 | 150 | 7.8 |
| VAC2656 | 240-265 | 190-215 | 150 | 7.8 |
| VAC2657 | 240-265 | 210-235 | 150 | 7.8 |
| VAC2754 | 250-275 | 160-175 | 150 | 7.8 |
| VAC2756 | 250-275 | 197-222 | 150 | 7.8 |

| VIPSeal Reference | Range (Pipe O/D) | | Width (mm) | Thickness (mm) |
|-------------------|------------------|---------|------------|----------------|
| | From (mm) | To (mm) | | |
| VAC2804 | 255-280 | 155-175 | 150 | 7.8 |
| VAC2652 | 260-285 | 240-265 | 150 | 7.8 |
| VAC9001 | 265-285 | 180-205 | 150 | 7.8 |
| VAC2904 | 265-290 | 144-160 | 150 | 7.8 |
| VAC2906 | 265-290 | 190-215 | 150 | 7.8 |
| VAC2907 | 265-290 | 210-235 | 150 | 7.8 |
| VAC2908 | 265-290 | 240-265 | 150 | 7.8 |
| VAC2956 O/S | 270-295 | 185-210 | 150 | 7.8 |
| VAC3003 O/S | 275-300 | 180-200 | 150 | 7.8 |
| VAC3204 | 295-320 | 144-160 | 150 | 9.3 |
| VAC3205 | 295-320 | 170-192 | 150 | 9.3 |
| VAC3207 | 295-320 | 210-235 | 150 | 9.3 |
| VAC3208 | 295-320 | 240-265 | 150 | 9.3 |
| VAC3209 | 295-320 | 265-290 | 165 | 9.3 |
| VAC3351 O/S | 310-335 | 180-205 | 150 | 9.3 |
| VAC3608 | 335-360 | 240-265 | 165 | 9.3 |
| VAC3609 | 335-360 | 265-290 | 165 | 9.3 |
| VAC3600 | 335-360 | 295-320 | 165 | 9.3 |
| VAC3858 | 360-385 | 240-265 | 165 | 9.3 |
| VAC3859 | 360-385 | 265-290 | 165 | 9.3 |
| VAC3850 | 360-385 | 300-325 | 165 | 9.3 |
| VAC4208 | 395-420 | 240-265 | 165 | 9.3 |
| VAC4209 | 395-420 | 265-290 | 165 | 9.3 |

| VIPSeal Reference | Range (Pipe O/D) | | Width (mm) | Thickness (mm) |
|-------------------|------------------|---------|------------|----------------|
| | From (mm) | To (mm) | | |
| VAR1500 | 170-192 | 160-170 | 100 | 7.3 |
| VAR2250 | 260-285 | 240-250 | 130 | 7.8 |
| VAR3000 | 360-385 | 325-335 | 165 | 9.3 |



Common Applications

| VAC4000 | VAC6000 | VAC9001 |
|---|--|--|
| <input type="checkbox"/> salt glazed ware (4") 100mm <input type="checkbox"/> vitrified clay 100mm <input type="checkbox"/> supersleve 100mm <input type="checkbox"/> pitch fibre 100mm <input type="checkbox"/> asbestos cement 100mm | <input type="checkbox"/> 110mm pvcu <input type="checkbox"/> 100mm cast iron (soil & drain) <input type="checkbox"/> 100mm cast iron (smu/ensign/sml) <input type="checkbox"/> 100mm ductile iron <input type="checkbox"/> 100mm stainless steel <input type="checkbox"/> 100mm supersleve | <input type="checkbox"/> salt glazed ware (6") 150mm <input type="checkbox"/> vitrified clay 150mm <input type="checkbox"/> supersleve 150mm <input type="checkbox"/> pitch fibre 150mm <input type="checkbox"/> asbestos cement 150mm <input type="checkbox"/> concrete 150mm <input type="checkbox"/> ultra-rib 180mm <input type="checkbox"/> pvcu 200mm |
| <input type="checkbox"/> salt glazed ware (9") 225mm <input type="checkbox"/> vitrified clay 225mm <input type="checkbox"/> supersleve 225mm <input type="checkbox"/> ductile iron 250mm <input type="checkbox"/> grey iron 250mm <input type="checkbox"/> mdpe 280mm | <input type="checkbox"/> 160mm pvcu <input type="checkbox"/> 150mm cast iron (soil & drain) <input type="checkbox"/> 150mm cast iron (smu/ensign/sml) <input type="checkbox"/> 150mm ductile iron <input type="checkbox"/> 150mm stainless steel <input type="checkbox"/> 150mm ultra-rib | <input type="checkbox"/> 150mm vitrified clay <input type="checkbox"/> 150mm pitch fibre <input type="checkbox"/> 150mm asbestos cement <input type="checkbox"/> 150mm concrete <input type="checkbox"/> 180mm mdpe <input type="checkbox"/> 180mm ultra-rib <input type="checkbox"/> 200mm pvcu <input type="checkbox"/> 200mm mdpe |
| VAC1001 | VAC1002 | VAC1221 |
| <input type="checkbox"/> pvcu 110mm <input type="checkbox"/> cast iron (soil) 100mm <input type="checkbox"/> cast iron (smu/ensign/sml) 100mm <input type="checkbox"/> stainless steel 110mm | <input type="checkbox"/> 40-50mm pvcu <input type="checkbox"/> 40-50mm polypropylene <input type="checkbox"/> 40-50mm abs <input type="checkbox"/> 50mm (2") <input type="checkbox"/> polypropylene <input type="checkbox"/> 50mm (2") abs <input type="checkbox"/> 50mm (2") cast iron (soil) | <input type="checkbox"/> pvcu 110mm <input type="checkbox"/> cast iron (soil & drain) 100mm <input type="checkbox"/> cast iron (smu/ensign/sml) 100mm <input type="checkbox"/> ductile iron 100mm <input type="checkbox"/> supersleve 100mm |
| VAC1361 | VAC1362 | VAC1602 |
| <input type="checkbox"/> supersleve 100mm <input type="checkbox"/> vitrified clay 100mm <input type="checkbox"/> asbestos cement 100mm <input type="checkbox"/> cast iron (smu/ensign/sml) 125mm | <input type="checkbox"/> 82mm (3") pvcu <input type="checkbox"/> 75mm cast iron (soil & drain) <input type="checkbox"/> 75mm cast iron (smu/ensign/sml) <input type="checkbox"/> 75mm ductile iron <input type="checkbox"/> 70mm cast iron (smu/ensign/sml) | <input type="checkbox"/> 110mm pvcu <input type="checkbox"/> 100mm cast iron (soil & drain) <input type="checkbox"/> 100mm cast iron (smu/ensign/sml) <input type="checkbox"/> 100mm ductile iron <input type="checkbox"/> 100mm stainless steel <input type="checkbox"/> 110mm supersleve |
| VAC1923 | VAC1924 | VAC2908 |
| <input type="checkbox"/> vitrified clay (s.g.w) 150mm <input type="checkbox"/> supersleve 150mm <input type="checkbox"/> ultra-rib 150mm <input type="checkbox"/> ductile iron 150mm <input type="checkbox"/> cast iron (drain) 150mm <input type="checkbox"/> asbestos cement 150mm <input type="checkbox"/> pitch fibre 150mm <input type="checkbox"/> twin walled plastic 150mm | <input type="checkbox"/> 100mm supersleve <input type="checkbox"/> 100mm vitrified clay <input type="checkbox"/> 100mm asbestos cement <input type="checkbox"/> 125mm cast iron (smu/ensign/sml) | <input type="checkbox"/> salt glazed ware (9") 225mm <input type="checkbox"/> vitrified clay 225mm <input type="checkbox"/> ductile iron 250mm <input type="checkbox"/> grey iron 250mm <input type="checkbox"/> mdpe 280mm |
| VAC5144 | | |
| <input type="checkbox"/> pvcu 110mm <input type="checkbox"/> ductile iron 100mm <input type="checkbox"/> cast iron (soil & drain) 100mm <input type="checkbox"/> cast iron (smu/ensign/sml) 100mm <input type="checkbox"/> stainless steel 100mm <input type="checkbox"/> supersleve 100mm <input type="checkbox"/> asbestos cement 100mm | | |

Edition 1.0 FR



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Material Options

For applications which are subjected to higher temperatures, or where chemicals are present, VIPSeal® Flexible Couplings can be ordered in a range of materials:

Heavy Duty Tension and Shear Bands

For higher corrosion or contaminated ground areas and marine environments, grade 1.4401(316) stainless steel should be specified to eliminate the need for protective tape.

Rubber Sleeves

For applications where chemicals or higher continuous temperatures are experienced, VIPSeal® Flexible Couplings can be ordered in the following materials (contact our customer service team for technical guidance).



VIPSealPlus is manufactured from peroxide cured EPDM which is superior to the sulphur cured variant for elevated temperature applications and for applications that have to endure steam. Peroxide cured EPDM is recommended as continuous temperatures rise above 60°C for many years of leak free service is assured up to temperatures of 125°C. Peroxide cured EPDM has the same chemical compatibility as the standard VIPSeal range (sulphur cured EPDM).



VIPSealXtra is manufactured from sulphur cured Nitrile which is an effective material for applications that are exposed to mineral oils, fats and greases when constant temperatures remain below 60°C.



VIPSealXtraPlus is manufactured from peroxide cured Nitrile which is superior to the sulphur cured variant for elevated temperature applications. Peroxide cured Nitrile as continuous temperatures rise above 60°C for many years of leak free service is assured up to temperatures of 100°C.



VIPSealChem is manufactured from FKM which can cope with elevated continuous temperature applications up to 200°C. It's resistance to a wide range of chemicals makes it the perfect choice for industrial and food applications.



VIPSealXtreme is manufactured from FFKM and is suitable for applications found in chemical and process industries. With a resistance to aggressive chemicals and CWT exceeding 200°C, VIPSealXtreme is designed for the toughest conditions.

Information contained in this data sheet is up-to-date and correct as at the date of issue. We reserve the right to change any information without prior notice.

