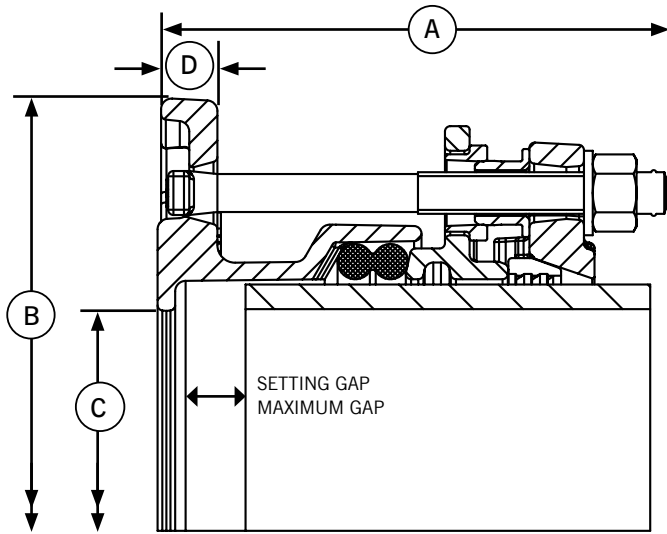


AquaFast Flange Adaptors 63mm to 315mm

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Flange Adaptor



AquaFast Flange Adaptors

Pipe OD	Flange Drillings	Tee Bolt Size No.-Dia x Length	Dimensions (mm)		Bore C (mm)	Flange Thickness D (mm)	Setting Gap (mm)	Max Gap (mm)	Weight (kg)
			A max	B dia					
63	50/65 PN10,16	2-M12 x 135	144	185	50	17	20	25	4.4
75	65/80 PN10,16	2-M12 x 135	144	200	65	17	20	25	4.8
90	65/80 PN10,16	2-M12 x 135	144	200	80	17	20	25	5.0
110	100 PN10,16	2-M12 x 135	144	229	100	17	20	25	6.1
125	100/125 PN10,16	2-M12 x 135	144	250	100	17	20	25	7.2
140	125 PN10,16	4-M12 x 135	144	250	125	17	20	25	7.4
160	150 PN10,16	4-M12 x 135	144	285	150	17	20	25	8.5
180	150 PN10,16	4-M12 x 190	199	285	150	17	25	35	12.4
200	200 PN10,16	4-M12 x 190	200	343	190	18	25	35	15.4
225	200 PN10,16	4-M16 x 195	205	343	190	18	25	35	16.9
250	250 PN10,16	6-M16 x 195	207	406	240	20	25	35	22.5
280	250 PN10,16	6-M16 x 195	207	406	270	20	25	35	22.1
315	300 PN10,16	6-M16 x 195	208	483	300	21.5	25	35	28.2

All flanges drilled to BS EN 1092-1 (formerly BS 4504) /BS EN ISO 7005 PN10 and PN16

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AquaFast Flange Adaptors 63mm to 315mm

Datasheet

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Technical Information

Working Pressure Rating

Water 16 bar

Gas not approved

Vacuum Pressure

Capable of accommodating a vacuum pressure of -0.7 bar

Site Test Pressure

1.5 times working pressure for short duration (2 hours)

Pipe Material / Support Liner

When used on the following pipe materials AquaFast does not need a support liner:-

- MDPE (PE80) and HPPE (PE100) in SDR ratings 11 & 17
- PVC pipe (metric dimensions)
 - PVC-O (16 bar rated pipe)
 - PVC-U (10 bar rated pipe)

Flange Drilling

All flange drilled to BS EN 1902-2 (formerly BS 4504) /BS EN ISO 7005 PN10 and PN16

Angularity (in accordance with BS EN 12842)

Flange Adaptors 1.5°

Bolt Torque

Torque Wrench; Tighten using spanner of sufficient length to ensure enough leverage is applied to cause resistors to collapse evenly until fitting the metal to metal positive stop is achieved.

Materials & Relevant Standards

Centre Sleeve, End Ring & Flange Adaptor Body

Ductile iron to BS EN 1563 Symbol EN-GJS-450-10

Gripper Ring

Ductile iron to BS EN 1563 Symbol EN-GJS-450-10

Intermediate Ring

Ductile iron to BS EN 1563 Symbol EN-GJS-450-10

Gasket (EPDM)

BS EN 681-1 Type WA/BS 6920 hardness to 70 IRHD

Resisters

Free cutting Mild Steel (Grade Y15) Zn³ Zinc coated

Bolts

BS EN ISO 898-1 Property class 8.8

Option - Stainless Steel BS EN ISO3506-1 Grade A2 Property Class 70

(Stainless steel available as special order)

Specialist Equipment

None required, only a rag to clean pipe and a spanner or wrench. The length of the Spanner or Torque Wrench used to tighten the bolts must be sufficiently long to ensure enough leverage is applied to cause resistors to collapse evenly until fitting the metal to metal positive stop is achieved.

Temperature Rating of Product

EPDM -20°C to +40°C

AquaFast is not suitable for use on heating systems with fluctuating temperatures.

End Load Due to Internal Pressure

AquaFast Fully restrained fitting, designed to meet the performance requirements of BS EN 12842, ISO 17885 and IGN 4-01-02 (formally WIS 4-24-01).

Approvals

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

Rilsan Nylon 11:

- WRAS, DVGW, W270, ACS & KIWA

EPDM Gaskets:

- WRAS

In addition to the above, AquaFast as a finished product has KIWA certification verifying that the above products comply with the requirements of the Water Supply (Water Fittings) Regulations for England and Wales 1999, the Water Byelaws 2000, Scotland and the Water Regulations Northern Ireland.

Nuts

Steel to BS EN20898-2 Property Class 8

Option - Stainless Steel BS EN ISO3506-2 Grade A4 Property Class 80

(Stainless steel available as special order)

Washers

BS 1449:Part 2 Grade 304S15

Coatings

Centre Sleeve, End Ring, Flange Adaptor body & intermediate ring:

- Rilsan Nylon 11

Gripper:

- Cataphoretic coating

Bolts & Nuts:

- Sheraplex to WIS 4-52-03

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