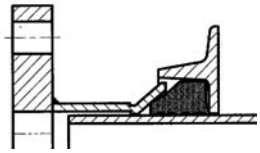
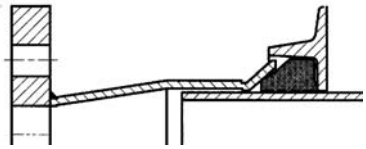
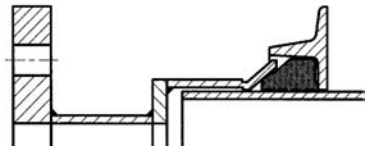
MaxiDaptors are supplied ready assembled and should not be dismantled.
Size range: DN50 (2″) to DN600 (24″).

1 Viking Johnson MaxiDaptors come in three configurations (shown below) with the selection being a function of the outside diameter and nominal flange drilling.

 Type 1	 Type 2	 Type 3
a) Straight Sleeve	b) Expanded Sleeve	
Configurations For Viking Johnson Stepped Couplings.		

2 Examine the pipe ends and ensure they are round, smooth, free from bulges, dents and score marks and within the outside diameter range given on the MaxiDaptor label. Weld beads must be ground flush, maintaining correct surface profile. Ensure that pipe ends are free from scale, rust, or any loose debris or other surface defect that may affect coupling performance.

3 Check grade of gasket is suitable for conveyed medium.

4 If the MaxiDaptor has 'T' bolts between the main flange body and end ring ensure that their heads are correctly located in the recesses in the back flange face.

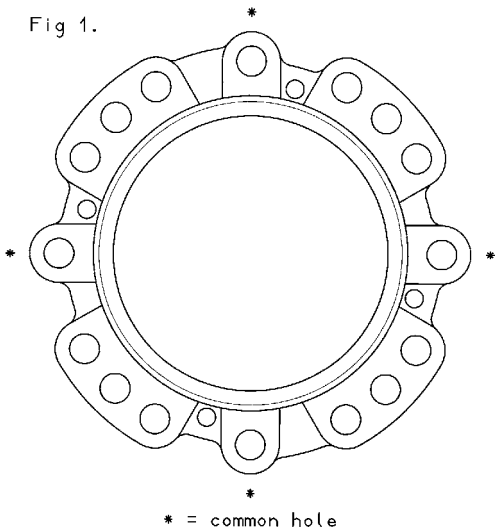
5 Place the MaxiDaptor onto pipe end. Adjust the setting gap between pipe end and MaxiDaptor as necessary (see setting gap table), but if in doubt contact Viking Johnson Technical Support. Ensure that the pipe end is concentric with the bore of the mating flange.

6 Fit flange gasket (Viking Johnson recommend the use of an IBC gasket) and ensure it is concentric with the flange connecting bolts. Bolt the MaxiDaptor to the mating flange (as detailed below according to type) using standard bolting procedures.

6.1 DN50 (2″) to DN150 (6″) MaxiDaptors have common bolt holes for all drillings

6.2 DN175 (7″) to DN200 (8″)

Fig 1.



MaxiDaptors have flange configurations as shown in Fig. 1. This configuration is combined PN10 and PN16. To assemble against mating flange, locate the four common holes first, the remaining holes will then align with their respective mating flange holes.

6.3 DN225 (9″) and DN250 (10″) DN300 (12″)

Fig 2.

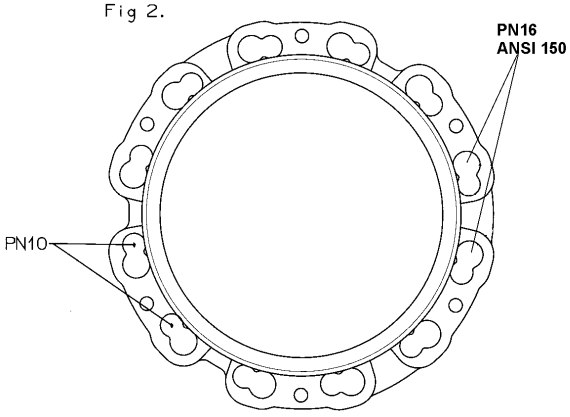
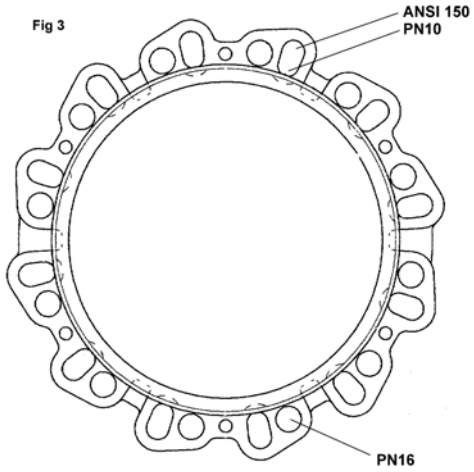


Fig 3



MaxiDaptors have flange configurations as shown in Figs. 2 & 3. These flanges can be bolted to PN10, PN16 or ANSI Class 150 flanges. Connect the MaxiDaptor to the other flange using the appropriate flange bolt holes.

6.4 All other sizes. MaxiDaptors are supplied with specified flange drillings.

7 Tighten diametrically opposed 'T' bolts/studs giving the nuts one or two turns at a time to draw up the end ring evenly. The nuts must be thoroughly tightened to achieve the bolt torque figures given below, working around the flange adaptor as many times as necessary. On completion, radial gap between pipe and flange adaptor end ring should be even all the way round. Rubber may be seen to extrude into the gap.

NOTES

A Standard Viking Johnson MaxiDaptors do not prevent pipe pull out. Adequate external restraint to pipework is essential.

B When installing Viking Johnson MaxiDaptors on GRP pipe and certain AC pipe a reduced bolt torque is required – consult Technical Support for further advice.

Stud / Bolt Torque Table		
Stud / Bolt	**Torque**	
Size	**Lbf.ft**	**Nm**
M12	40 – 50	55 – 65
M16	70 – 90	95 – 120

Setting Gap Table.	
All Nominal Sizes.	**Setting Gap (mm)**
Straight Sleeve MaxiDaptor	
Sizes u.t.i 150mm Nom.	20
Sizes 175 to 300mm Nom.	25
Sizes over 300mm No.	45
Expanded Sleeve MaxiDaptor	
All sizes u.t.i 600mm Nom.	140

Viking Johnson
46-48 Wilbury Way
Hitchin
Hertfordshire
SG4 0UD
United Kingdom

Technical Support
Tel: **+44(0)1462 – 443322**
Fax: +44(0)1462 – 443311
E-mail: info@vikingjohnson.com