

CORRUGASKET®



Corrugasket® is a unique and comprehensive range of precision moulded flange gaskets for pipes, fittings, pumps and valves. The concentric corrugations across the face of the gaskets and their availability in sizes and designs to suit all applications make Corrugasket® the first choice for quality, security and precision.

The Corrugasket range consists of three basic designs:

- Plain edge type for sizes up to and including 100mm (PN10, PN 16 & PN25)
- Scallop edge type for sizes between 125mm and 300mm (PN10, PN 16 & PN25)
- Locator type for sizes between 350mm and 600mm (PN16)

Corrugasket are suitable for use with a number of different standard pressure ratings for drinking water, drainage, sewage, gas and process industry applications.

The Corrugasket's unique design gives it several technical advantages. Proven over 30 years, the Corrugasket range offers:

Concentric Corrugations

The concentric corrugations across the Corrugasket's surface act as separate sealing planes to compensate for any defects in the flange, whether through corrosion, scores or even unmachined surfaces.

Dimensional accuracy

Each Corrugasket is dimensionally accurate. Unlike cut or stamped gaskets, its size is unvarying because the Corrugasket reproduces

exactly the precise tolerances of the moulding tool from which it was produced.

Consistency of thickness and material

Consistent thickness is vital if the seal is to be of equal force throughout. The moulding process – together with the use of our homogeneous compound material – ensures that it is.

Maximum sealing efficiency with minimum compression

The Corrugasket's corrugated surface not only gives exceptional sealing efficiency, it also reduces significantly the bolt-torque required to achieve an effective long term seal. This in turn leads to reduced compression on the gasket and to the increased life of the complete flange assembly.

Marking of the Corrugasket

Each Corrugasket is clearly marked with the word 'Corrugasket®', its size and application – water or gas, and is thus quickly identified for faster and easier fitting on site.

Unrivalled quality

The Corrugasket range is moulded from specially developed compounds which satisfy the stringent requirements of the water and gas industries and other service industries.



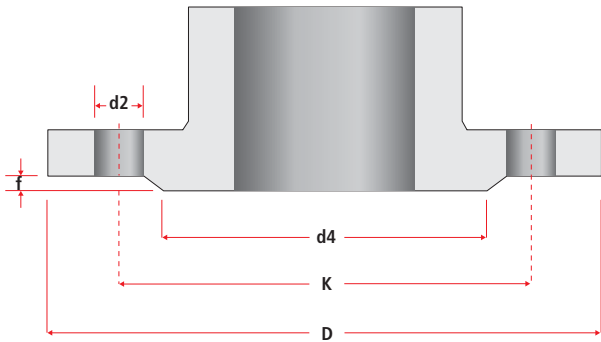
Choice of Material

Compound	Application	Operating Temperatures
EPDM	Drinking Water Oil-Free Drainage	-15°C to + 25°C -15°C to + 80°C
NBR	Gas Hydrocarbon Fluids (Aromatic content less than 30% b/v)	-15°C to + 80°C

For applications other than those mentioned above, please contact VIP-Polymers technical department.

Sealing Performance

In its uncompressed state, the Corrugasket is 4mm thick. Optimum sealing efficiency is achieved at approximately 0.4mm compression or 3.6 mm gasket thickness.



Plain edge: Sizes up to 100mm



Scallop edge: Sizes 125mm to 300mm

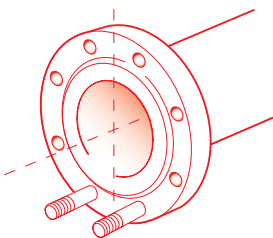


Locator type: Sizes 350mm and 600mm

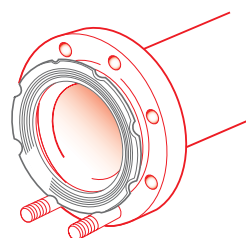
Corrugasket® Flange Dimensions

Nominal Size mm	Flange					K	Flange					K	Flange					K						
	D	d4	f	Drilling No.	d2		D	d4	f	Drilling No.	d2		D	d4	f	Drilling No.	d2		D	d4	f	Drilling No.	d2	K
80	200	138	3	8	18	160	200	138	3	8	18	160	200	138	3	8	18	160	200	138	3	8	18	160
100	220	158	3	8	18	180	220	158	3	8	18	180	235	162	3	8	22	190	235	162	3	8	22	190
125	250	188	3	8	18	210	250	188	3	8	18	210	270	188	3	8	26	220	270	188	3	8	26	220
150	285	212	3	8	22	240	285	212	3	8	22	240	300	218	3	8	22	240	300	218	3	8	26	250
200	340	268	3	8	22	295	340	268	3	12	22	295	360	278	3	12	26	310	375	285	3	12	30	320
250	395	320	3	12	22	350	405	320	3	12	26	355	425	335	3	12	30	370	450	345	3	12	33	385
300	445	370	4	12	22	400	460	378	4	12	26	410	485	395	4	16	30	430	515	410	3	16	33	450
350	505	430	4	16	22	460	520	438	4	16	26	470	555	450	4	16	33	490	580	465	4	16	36	510
400	565	482	4	16	26	515	580	490	4	16	30	525	620	505	4	16	36	550	660	535	4	16	39	585
450	615	532	4	20	26	565	640	550	4	20	30	585	670	555	4	20	36	600	-	-	-	-	-	-
500	670	585	4	20	26	620	715	610	4	20	33	650	730	615	4	20	36	660	755	615	4	20	42	670
600	780	685	5	20	30	725	840	725	5	20	36	770	845	720	5	20	39	770	890	735	5	20	48	795

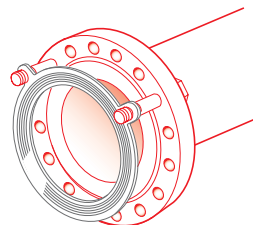
Installing the Corrugasket™



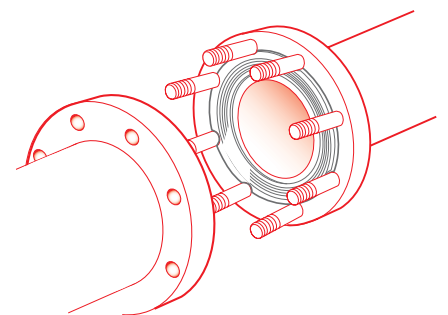
Align flange so that top two bolt holes are positioned evenly, one on each side of central vertical axis of flange. If using Plain edge or Scallop edge Corrugaskets, put 2-3 bolts in place at bottom of flange to act as a prop for the Corrugasket.



Lay the Corrugasket in place with bottom edge resting bolts. On Scallop edge Corrugaskets ensure that notches on gasket fit snugly around bolt holes. Match bore of Corrugasket to bore of flange.



On Locator type Corrugasket only, insert two bolts into holes on upper half of flange. Loop the locators on Corrugasket over the bolts to position the gasket on the flange.



Match opposite flange face to face with gasket and insert remaining bolts. Note all bolts should be inserted from the same side. Tighten bolts as normal, using a diametrical tightening sequence, maintaining the flanges parallel at all times.