



Materials of Construction

Sleeve

Rolled Steel to SANS 1431 Grade 350 WA or EN 10025 - S355 JR. Alternatively all Stainless Steel 304 or 316

End Rings and Flange

Carbon Steel to SANS 1431 Grade 350 WA or EN 10025 - S355 JR. Alternatively all Stainless Steel 304 or 316

Protective Coating

Fusion Bonded Epoxy to 300 microns as standard

Gaskets

EPDM to SABS 974/ ISO 4633

Nuts and Bolts

Steel to SANS 1143 Grade 8.8 Hot Dipped Galvanised to SANS 763. Alternatively all Stainless Steel 304 or 316

Washers

Steel Hot Dipped Galvanised to SANS 763. Alternatively all Stainless Steel 304 or 316

Size and Pressure Range

REXUS manufacture couplings to any pipe OD of up to DN1600 and pressures up to PN64 on request.

Site Test Pressure

Site test pressure is 1.5 x working pressure.

REXUS KII Flanged Adaptors and Restrained Flanged Adaptors

The REXUS KII range of Couplings Flange Adaptors and Dismantling Joints are 100% locally manufactured and have been utilised on some of the most significant projects in South Africa. In addition, our products are exported to several countries.

Factors that distinguish REXUS KII Flanged Adaptor and Coupling products from competing products are:

Moulded Rubber Gaskets - all our rubber gaskets, regardless of size are moulded and not glued providing a superior performance.

Rubber Gasket Thickness and Profile - all our gaskets have a specific ribbed sealing profile to ensure drip-tight sealing regardless of the pipe surface.

In addition, the thickness of our rubber gasket coupled with the specific angle of our flared ends provide a deep gasket chamber and allows for maximum possible pipe adjustment.

Fusion Bonded Epoxy Coating - all our Couplings regardless of size are fusion bonded epoxy coated to 300 microns as standard. Couplings exposed to sunlight are coated with an additional UV resistant coating.

Longer Standard Barrels - Our Flanged Adaptor barrels are as standard, as long as some competitors "long" barrel flanged adaptors, at no additional cost to better allow for expansion and contraction of various types of pipe.

Short Lead Times - REXUS is rapidly becoming the company of choice to design, manufacture and supply Couplings and Flange Adaptors for emergency conditions. Our standard turnaround time for emergency items is 24 to 48 hours and for out of stock standard items in large batches is 5 to 10 days.

Technical Expertise and Aftersales backup - REXUS is a designer, manufacturer and supplier of all pipeline related products. We therefore have an in depth understanding on pipeline material selection, valve performance and complex pipeline phenomena such as Surge and Waterhammer. We bring all our expertise to bear in every recommendation and back up our products with unparalleled sale support - try us!

KII Flanged Adaptors

Flanged Adaptors are used to enable plain-ended pipes to be connected either to flanged pipe or to flanged valves and other fittings.

REXUS KII Flanged Adaptors are provided as standard with flat mating faces (raised faces can be provided upon request). These are suitable for bolting to both flat and raised faces. The same gasket loading characteristics can be obtained as with a raised face assembly.

Pressure Ratings

REXUS KII Flanged Adaptors are supplied to suit the pressure rating of the flange, unless specifically ordered otherwise.

REXUS provides Flanged Adaptors in Pressure Ratings of PN10, PN16, PN25 and PN40 as standard. Flanged Adaptors with working pressures of up to PN64 are available on request.

Design

REXUS provides as standard, Flanged Adaptors with a straight sleeve and a full bore for ease of installation.

Flanged Adaptors with an expanded sleeve for specific use with very thick walled pipe such as Fibre Cement or Concrete can be supplied upon request.

Always confirm dimensional details before ordering.

The Rexus KII Difference

End Ring

Steel to SANS 1431 Grade 300 or Grade 350 WA or EN 10025 - Grade S355 JR Fusion Bonded Epoxy Coated to 300 microns as standard.

Rigoursly tested for strength and life expectancy of 50 years or more.

Flanges

Steel to SANS 1431 Grade 300 WA or 350 WA or EN 10025 - Grade S355 JR Fusion Bonded Epoxy Coated to 300 microns as standard.

All Stainless Steel 304 or 316 available on request

Flanges available to SANS 1123 or BS 4504 or EN 1092 pressure ratings of PN10 to PN40

Centre Sleeve

Rolled Steel to SANS 1431 Grade 300 or 350 WA or to EN 10025 - Grade S355 JR Fusion Bonded Epoxy Coated to 300 microns as Standard. Stainless Steel 304 or 316 available on request.

Long sleeve lengths as standard for ease of installation

Flared ends to provide deep gasket chamber and allow for maximum possible pipe adjustment

Coating - Flange, Centre Sleeve and End Rings
High impact, abrasion, weather and chemical resistant
Fusion Bonded Epoxy to 300 microns as standard.

Other coatings are available upon request

Studs, Nuts and Washers

Hot Dipped Galvanised to SANS 763 as standard. Other coatings available on request

Stainless Steel 304 or 316 available on request

Rubber Gasket

EPDM to ISO 4633/ SABS 974
Rubber Gasket ribbed and generously sized. All Rubber Gaskets are moulded regardless of size.

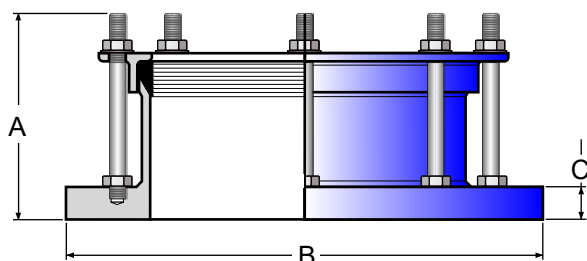
Alternative grades available on request

Distinct circumferential ribs provides maximum sealing on scored, corroded and pitted pipe

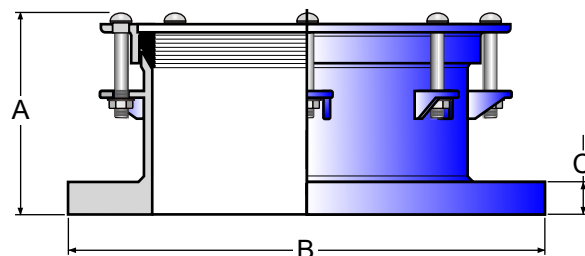
Gasket is compressed independently of the tie rods.

Sealing failure cannot occur once the gasket is compressed to the required torque

Overall Dimensions Sizes DN50 to DN300



KII Flanged Adaptors with Studs



KII Flanged Adaptors with Lugs

- REXUS KII Flanged Adaptors can be manufactured to any pipe diameter or pressure rating. Please contact REXUS for any size or pressure rating not displayed.
- The working pressures of all our Flanged Adaptors are in accordance to the flange drilling. Site test pressure is 1.5 times the pipeline working pressure.
- REXUS KII Flanged Adaptors as standard, have a long barrel design for ease of installation and for a generous allowance for expansion and contraction.
- REXUS KII Flanged Adaptors can upon request be supplied for end restraint.

DN (mm)	FLANGE SPEC.		FLANGE DRILLING SANS	FLANGE DRILLING BS EN	A (mm)	B (mm)	C (mm)	FLANGE BOLT SIZE (mm)	WEIGHT kg (APPROX)
50	SANS1123	BS EN 1092	T1000/3, T1600/3	PN10, PN16	180	165	12	4 x M16	3
50	SANS1123	BS EN 1092	T2500/3, T4000/3	PN25, PN40	180	165	20	4 x M16	3.2
80	SANS1123	BS EN 1092	T1000/3, T1600/3	PN10, PN16	180	200	14	8 x M16	3.8
80	SANS1123	BS EN 1092	T2500/3, T4000/3	PN25, PN40	180	200	22	8 x M16	4
100	SANS1123	BS EN 1092	T1000/3, T1600/3	PN10, PN16	180	220	14	8 x M16	4.8
100	SANS1123	BS EN 1092	T2500/3, T4000/3	PN25, PN40	180	235	25	8 x M20	5
150	SANS1123	BS EN 1092	T1000/3, T1600/3	PN10, PN16	220	285	18	8 x M20	7.6
150	SANS1123	BS EN 1092	T2500/3, T4000/3	PN25, PN40	220	300	30	8 x M24	8
200	SANS1123	BS EN 1092	T1000/3	PN10	220	340	18	12 x M20	9
200	SANS1123	BS EN 1092	T1600/3	PN16	220	340	22	12 x M20	9.5
200	SANS1123	BS EN 1092	T2500/3	PN25	220	360	28	12 x M24	10
200	SANS1123	BS EN 1092	T4000/3	PN40	220	375	32	12 x M24	11
250	SANS1123	BS EN 1092	T1000/3	PN10	220	395	18	12 x M20	14
250	SANS1123	BS EN 1092	T1600/3	PN16	220	405	18	12 x M24	14.5
250	SANS1123	BS EN 1092	T2500/3	PN25	220	425	28	12 x M24	15
250	SANS1123	BS EN 1092	T4000/3	PN40	220	450	28	12 x M30	15.5
300	SANS1123	BS EN 1092	T1000/3	PN10	220	445	18	12 x M20	16
300	SANS1123	BS EN 1092	T1600/3	PN16	220	460	18	12 x M24	17
300	SANS1123	BS EN 1092	T2500/3	PN25	220	485	28	16 x M24	18
300	SANS1123	BS EN 1092	T4000/3	PN40	220	515	28	16 x M30	19

Materials of Construction & Relevant Standards

Flange Drilling

SANS 1123 or BS EN 1092-1 ISO 7005

Flanged Adaptor

Body/ Sleeve - Rolled Carbon Steel to SANS 1431 Grade 350 WA or EN 10025 - S355 JR

End Rings/Sleeve - Rolled Carbon Steel to SANS 1431 Grade 350 WA or EN 10025 - S355 JR

Flange - Carbon Steel to SANS 1431 Grade 350 WA or EN 10025 - S355 JR

Protective Coating

Fusion Bonded Epoxy - 300 microns as standard

Gaskets

EPDM to SABS 974/ ISO 4633

Stainless Steel Tie Rods & Nuts

Studs - Steel Hot Dipped Galvanised to SANS 763

- Stainless Steel 304 or 316 on request

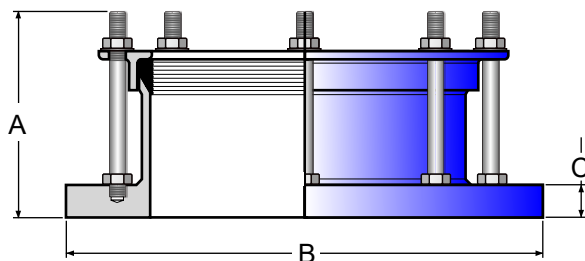
Nuts and Bolts - Steel to SANS 1143 Grade 8.8 Hot Dipped Galvanised to SANS 763

- Stainless Steel 304 or 316 on request

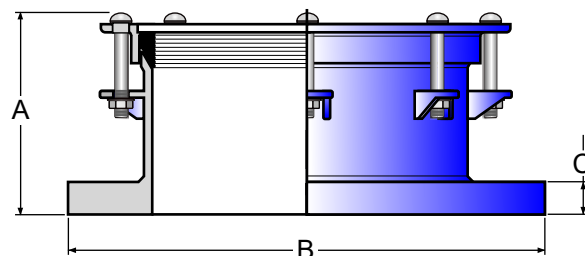
Washers - Steel Hot Dipped Galvanised to SANS 763

- Stainless Steel 304 or 316 on request

Overall Dimensions DN350 to DN600



KII Flanged Adaptors with Studs



KII Flanged Adaptors with Lugs

- REXUS KII Flanged Adaptors can be manufactured to any pipe diameter or pressure rating. Please contact Rexus for any size or pressure rating not displayed.
- The working pressures of all our Flange Adaptors are in accordance to the flange drilling. Site test pressure is 1.5 times the pipeline working pressure.
- REXUS KII Flanged Adaptors as standard, have a long barrel design for ease of installation and for a generous allowance for expansion and contraction.
- REXUS KII Flanged Adaptors can upon request be supplied for end restraint.

DN (mm)	FLANGE SPEC.			FLANGE DRILLING BS EN	A (mm)	B (mm)	C (mm)	FLANGE BOLT SIZE (mm)	WEIGHT kg (APPROX.)
350	SANS1123	BS EN 1092	T1000/3	PN10	260	505	23	16 x M20	23
350	SANS1123	BS EN 1092	T1600/3	PN16	260	520	23	16 x M24	27
350	SANS1123	BS EN 1092	T2500/3	PN25	260	555	28	16 x M30	36
350	SANS1123	BS EN 1092	T4000/3	PN40	260	580	28	16 x M30	39
400	SANS1123	BS EN 1092	T1000/3	PN10	260	565	23	16 x M24	26
400	SANS1123	BS EN 1092	T1600/3	PN16	260	580	23	16 x M24	28
400	SANS1123	BS EN 1092	T2500/3	PN25	260	620	28	16 x M30	40
400	SANS1123	BS EN 1092	T4000/3	PN40	260	660	28	16 x M36	43
450	SANS1123	BS EN 1092	T1000/3	PN10	260	615	23	20 x M24	33
450	SANS1123	BS EN 1092	T1600/3	PN16	260	640	23	20 x M24	37
450	SANS1123	BS EN 1092	T2500/3	PN25	260	670	28	20 x M30	45
450	SANS1123	BS EN 1092	T4000/3	PN40	260	685	28	20 x M36	48
500	SANS1123	BS EN 1092	T1000/3	PN10	260	670	23	20 x M24	38
500	SANS1123	BS EN 1092	T1600/3	PN16	260	715	23	20 x M30	45
500	SANS1123	BS EN 1092	T2500/3	PN25	260	730	28	20 x M30	55
500	SANS1123	BS EN 1092	T4000/3	PN40	260	755	28	20 x M36	58
600	SANS1123	BS EN 1092	T1000/3	PN10	260	780	23	20 x M24	52
600	SANS1123	BS EN 1092	T1600/3	PN16	260	840	23	20 x M30	60
600	SANS1123	BS EN 1092	T2500/3	PN25	260	845	28	20 x M36	67
600	SANS1123	BS EN 1092	T4000/3	PN40	260	890	38	20 x M45	70

Materials of Construction & Relevant Standards

Flange Drilling

SANS 1123 or BS EN 1092-1 ISO 7005

Flanged Adaptor

Body/ Sleeve - Rolled Carbon Steel to SANS 1431 Grade 350 WA or EN 10025 - S355 JR

End Rings/Sleeve - Rolled Carbon Steel to SANS 1431 Grade 350 WA or EN 10025 - S355 JR

Flange - Carbon Steel to SANS 1431 Grade 350 WA or EN 10025 - S355 JR

Protective Coating

Fusion Bonded Epoxy - 300 microns as standard

Gaskets

EPDM to SABS 974/ ISO 4633

Stainless Steel Tie Rods & Nuts

Studs - Steel Hot Dipped Galvanised to SANS 763

- Stainless Steel 304 or 316 on request

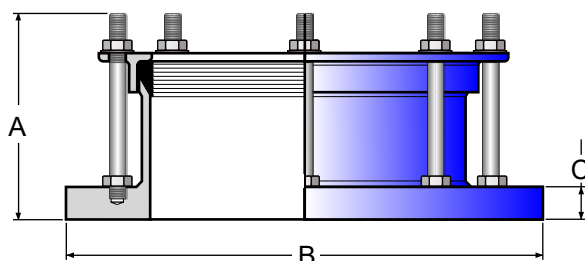
Nuts and Bolts - Steel to SANS 1143 Grade 8.8 Hot Dipped Galvanised to SANS 763

- Stainless Steel 304 or 316 on request

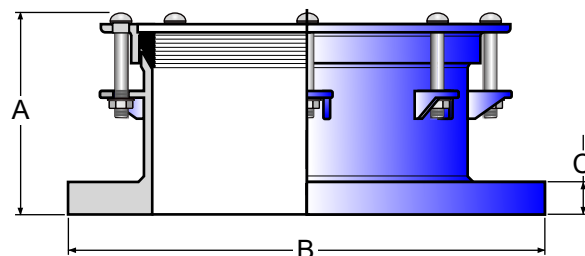
Washers - Steel Hot Dipped Galvanised to SANS 763

- Stainless Steel 304 or 316 on request

Overall Dimensions DN700 to DN1200



KII Flanged Adaptors with Studs



KII Flanged Adaptors with Lugs

- REXUS KII Flanged Adaptors can be manufactured to any pipe diameter or pressure rating. Please contact REXUS for any size or pressure rating not displayed.
- The working pressures of all our Flanged Adaptors are in accordance to the flange drilling. Site test pressure is 1.5 times the pipeline working pressure.
- REXUS KII Flanged Adaptors as standard, have a long barrel design for ease of installation and for a generous allowance for expansion and contraction.
- REXUS KII Flanged Adaptors can upon request be supplied for end restraint.

DN (mm)	FLANGE SPEC.		FLANGE DRILLING SANS	FLANGE DRILLING BS EN	A (mm)	B (mm)	C (mm)	FLANGE BOLT SIZE (mm)	WEIGHT kg (APPROX.)
700	SANS1123	BS EN 1092	T1000/3	PN10	260	895	23	24 x M24	55
700	SANS1123	BS EN 1092	T1600/3	PN16	260	910	23	24 x M30	67
700	SANS1123	BS EN 1092	T2500/3	PN25	280	960	28	24 x M39	76
700	SANS1123	BS EN 1092	T4000/3	PN40	280	995	38	24 x M45	81
800	SANS1123	BS EN 1092	T1000/3	PN10	260	1015	23	24 x M30	90
800	SANS1123	BS EN 1092	T1600/3	PN16	260	1025	23	24 x M36	92
800	SANS1123	BS EN 1092	T2500/3	PN25	280	1085	28	24 x M45	95
800	SANS1123	BS EN 1092	T4000/3	PN40	280	1140	38	24 x M52	99
900	SANS1123	BS EN 1092	T1000/3	PN10	260	1115	28	28 x M30	103
900	SANS1123	BS EN 1092	T1600/3	PN16	260	1125	28	28 x M36	124
900	SANS1123	BS EN 1092	T2500/3	PN25	280	1185	28	28 x M45	130
900	SANS1123	BS EN 1092	T4000/3	PN40	280	1250	38	28 x M52	132
1000	SANS1123	BS EN 1092	T1000/3	PN10	260	1230	28	28 x M30	112
1000	SANS1123	BS EN 1092	T1600/3	PN16	260	1255	28	28 x M36	152
1000	SANS1123	BS EN 1092	T2500/3	PN25	280	1320	38	28 x M52	180
1000	SANS1123	BS EN 1092	T4000/3	PN40	280	1360	38	28 x M52	200
1200	SANS1123	BS EN 1092	T1000/3	PN10	260	1455	38	32 x M36	224
1200	SANS1123	BS EN 1092	T1600/3	PN16	260	1485	38	32 x M42	228
1200	SANS1123	BS EN 1092	T2500/3	PN25	280	1530	38	32 x M52	243
1200	SANS1123	BS EN 1092	T4000/3	PN40	280	1575	38	32 x M56	256

Materials of Construction & Relevant Standards

Flange Drilling

SANS 1123 or BS EN 1092-1 ISO 7005

Flanged Adaptor

Body/ Sleeve - Rolled Carbon Steel to SANS 1431 Grade 350 WA or EN 10025 - S355 JR

End Rings/Sleeve - Rolled Carbon Steel to SANS 1431 Grade 350 WA or EN 10025 - S355 JR

Flange - Carbon Steel to SANS 1431 Grade 350 WA or EN 10025 - S355 JR

Protective Coating

Fusion Bonded Epoxy - 300 microns as standard

Gaskets

EPDM to SABS 974/ ISO 4633

Stainless Steel Tie Rods & Nuts

Studs - Steel Hot Dipped Galvanised to SANS 763

- Stainless Steel 304 or 316 on request

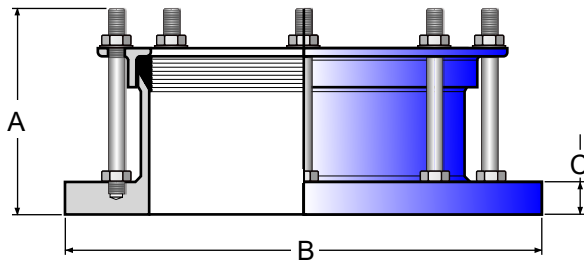
Nuts and Bolts - Steel to SANS 1143 Grade 8.8 Hot Dipped Galvanised to SANS 763

- Stainless Steel 304 or 316 on request

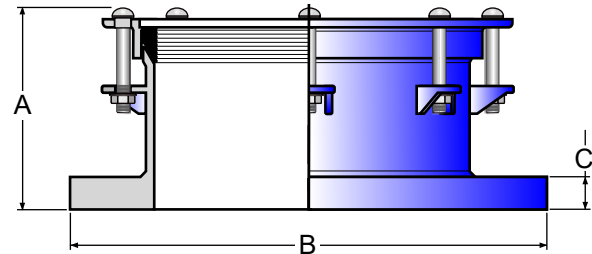
Washers - Steel Hot Dipped Galvanised to SANS 763

- Stainless Steel 304 or 316 on request

Overall Dimensions DN1400 to DN2000



KII Flanged Adaptors with Studs



KII Flanged Adaptors with Lugs

- REXUS KII Flanged Adaptors can be manufactured to any pipe diameter or pressure rating. Please contact REXUS for any size or pressure rating not displayed.
- The working pressures of all our Flanged Adaptors are in accordance to the flange drilling. Site test pressure is 1.5 times the pipeline working pressure.
- REXUS KII Flanged Adaptors as standard, have a long barrel design for ease of installation and for a generous allowance for expansion and contraction.
- REXUS KII Flanged Adaptors can upon request be supplied for end restraint.

DN (mm)	FLANGE DRILLING SANS	FLANGE SPEC BS EN	FLANGE DRILLING SANS	FLANGE DRILLING BS EN	A (mm)	B (mm)	C (mm)	FLANGE BOLT SIZE SANS (mm)	FLANGE BOLT SIZE BS EN (mm)	WEIGHT kg (APPROX.)
1400	SANS 1123	BS EN 1092	T1000	PN10	260	1675	38	36 x M36	36 x M39	229
1400	SANS 1123	BS EN 1092	T1600	PN16	260	1685	38	36 x M42	36 x M45	262
1400	SANS 1123	BS EN 1092	T2500	PN25	280	1755	60	36 x M56	36 x M56	392
1600	SANS 1123	BS EN 1092	T1000	PN10	260	1915	38	40 x M42	40 x M45	329
1600	SANS 1123	BS EN 1092	T1600	PN16	260	1930	38	40 x M42	40 x M52	383
1600	SANS 1123	BS EN 1092	T2500	PN25	280	1975	60	40 x M56	40 x M56	531
1800	SANS 1123	BS EN 1092	T1000	PN10	260	2115	38	44 x M42	44 x M45	373
1800	SANS 1123	BS EN 1092	T1600	PN16	260	2130	60	44 x M48	44 x M52	433
1800	SANS 1123	BS EN 1092	T2500	PN25	280	2195	60	44 x M64	44 x M64	681
2000	SANS 1123	BS EN 1092	T1000	PN10	260	2325	28	48 x M42	48 x M45	635
2000	SANS 1123	BS EN 1092	T1600	PN16	260	2345	60	48 x M56	48 x M56	748
2000	SANS 1123	BS EN 1092	T2500	PN25	280	2425	60	48 x M64	48 x M64	835

Materials of Construction & Relevant Standards

Flange Drilling

SANS 1123 or BS EN 1092-1 ISO 7005

Flanged Adaptor

Body/ Sleeve - Rolled Carbon Steel to SANS 1431 or EN 10025 - S355 JR

End Rings/Sleeve - Rolled Carbon Steel to SANS 1431 or EN 10025 - S355 JR

Flange - Carbon Steel to SANS 1431 or EN 10025 - S355 JR

Protective Coating

Fusion Bonded Epoxy - 300 microns as standard

Gaskets

EPDM to SABS 974/ ISO 4633

Stainless Steel Tie Rods & Nuts

Studs - Steel Hot Dipped Galvanised to SANS 763

- Stainless Steel 304 or 316 on request

Nuts and Bolts - Steel to SANS 1143 Grade 8.8 Hot Dipped Galvanised to SANS 763

- Stainless Steel 304 or 316 on request

Washers - Steel Hot Dipped Galvanised to SANS 763

- Stainless Steel 304 or 316 on request

REXUS KII Coupling Products is a comprehensive range of Couplings, Stepped Couplings, Flanged Adaptors and Dismantling Joints. Other products manufactured by REXUS include:

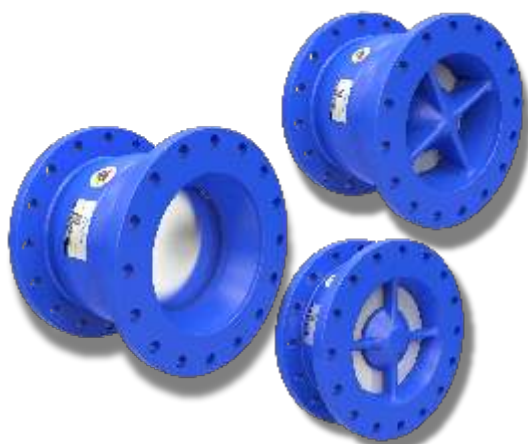


Airflo
Variable Orifice Air Valves

Series ESP and ERP Variable Orifice Air Valves is a triple function valve with automatic surge protection with ESP for Water and ERP for Waste Water applications.

Valves are manufactured in fusion bonded epoxy coated Steel or all Stainless Steel 304 or 316. The top cover, jointing and internal trim are in Stainless Steel 304 or 316.

Valves are available in sizes DN25 to DN300 and for pressure ratings PN10 to PN100



Checkflo
Nozzle Check Valves and Silen Check Valves

CHECKFLO Nozzle Check Valves are available in the reliable Central Shaft design as well as the Annular Disc design for superior surge protection and efficient low head pipeline operation. CHECKFLO also provides Silent Check Valves.

Valves are available in a variety of materials and trim options in both short and long face to face dimensions.

Valves are available in sizes DN50 to DN1200 and for pressure ratings PN10 to PN64



Veroflo
Fabricated Fittings and Basket Strainers

VEROFLO Fabricated Fittings and Basket Strainers are manufacture to the highest possible standards with stringent quality control.

All products are traceable from drawing to final completion. All coatings are Fusion Bonded Epoxy coating to 300 microns as standard

Fitting and Strainers are available in sizes DN50 to DN1600 and for pressure ratings PN10 to PN64.



KII
Double Offset Butterfly Valves

KII Double Offset Butterfly Valves are designed for high performance. The disc is specifically profiled to prevent flutter under low flow conditions and the gearbox is liberally designed with precision gearing to prevent backlash and for ease of operation.

Valves are available in sizes DN200 to DN1600 and for pressure ratings PN10 to PN40