

CORROFLON

Corroflon was launched in 1978 and, since then, has been continually updated and improved. Now it is the industry-standard convoluted flexible PTFE hose for major chemical, pharmaceutical and food companies worldwide.

The key to Corroflon's success lies in its design and build quality, which guarantees a long, safe and reliable service life.

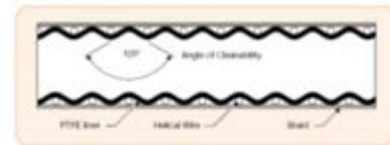
Corroflon's design differs from every other convoluted PTFE hose on the market, which results in distinctive and measurable performance and safety advantages. Firstly, Corroflon will give better cleanability and drainability than any other convoluted PTFE hose on the market. This is because Corroflon is designed and manufactured in such a way that the angle of the convolutions is extremely shallow - 80° to 120°, compared with only 45° to 65° in other convoluted hose designs.

Secondly, Corroflon is the only PTFE lined convoluted hose on the market to be fully kink and vacuum resistant at high pressures and temperatures. This is because Corroflon's design incorporates a thick section external helical reinforcement wire which gives the radial support necessary to ensure maximum strength, whilst maintaining optimum flexibility and cleanability. The helix wire is welded directly to the end fittings at each end, ensuring security of attachment and electrical continuity.

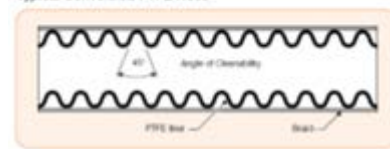
And thirdly, Aflex is the only PTFE hose manufacturer to guarantee a minimum PTFE liner thickness of 1.5mm for hose sizes 1" and above, which ensures sufficient strength to prevent the tube from being internally pressurised from a sine wave shape into an extended square wave shape, which would lead to porosity, and eventually premature failure of the tube. This thick wall liner also minimises permeation, and is extended through the end fittings to give an uninterrupted clean flow of fluid through the fitting.



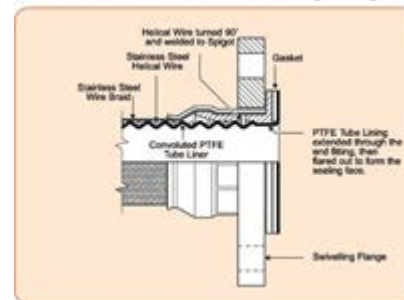
Corroflon GP PTFE Hose



Typical Convoluted PTFE Hose



Corroflon GP, SS Hose and PTFE Lined Flange Fitting



Temperature range:

SS braided: -70°C to +230°C,

PB braided: -30°C to +100°C.

SS, RC & SS, FP braided:

-40°C to +140°C,

SS,SI braided: -40°C to +180°C,

KYB braided: -40°C to +120°C.

Contact us:

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Catalogues:

Ducting hoses

Industrial hoses

Fittings

Safety couplings

Chemical resistance table ducting hoses

Chemical resistance table hoses

GP – SS 316

PB - Polypropylene

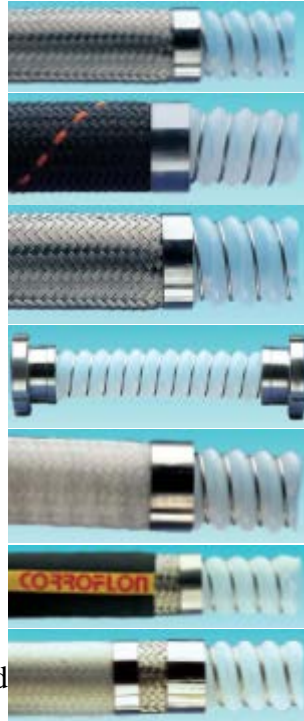
HB - Hastelloy

TO – W/O cover

KYB - Kynar

RC – Rubber covered

SI – Silicone rubber covered



Fittings:

DIN 11851 male
 DIN 11851 female
 KAMLOK adapter
 KAMLOK coupler
 Flange PN10/16
 DIN 32676 Triclover fittings
 SMS female thread
 RJT female thread

No	ID		Светъл отвор mm	OD mm	Оплетка тип	OD на оплетката mm	Радиус на огъване mm	WP bar	BP bar	Макс дълж. m	Тегло Kg
	Mm	inch									
PTFE-OA-015	15	½	11,2	16,0	TO	-	38	6	24	28	.21
PTFE-OB-015					SS	17.5	38	41	450	28	.33
PTFE-OC-015					PB	19.1	38	41	123	28	.26
PTFE-OD-015					SS,RC/FP	23.5	57	41	450	20	.49
PTFE-OE-015					RC,SI	23.5	57	41	450	10	.49
PTFE-OF-015					KYB	19.1	38	20.5	61.5	28	.23
PTFE-OA-020					TO	-	51	5	20	30	.29
PTFE-OB-020	SS	23.1	51	35	210	30	.45				
PTFE-OC-020	PB	26.0	51	35	105	30	.36				
PTFE-OD-020	SS,RC/FP	29.6	76	35	210	20	.56				
PTFE-OE-020	RC,SI	29.6	76	35	210	20	.56				
PTFE-OF-020	KYB	26.0	51	17.5	52.5	30	.31				
PTFE-OA-025	TO	-	70	4.5	18	40	0.45				
PTFE-OB-025	SS	31.7	70	31	150	40	0.70				
PTFE-OC-025	PB	34.0	70	31	93	40	0.56				
PTFE-OD-025	SS,RC/FP	36.6	105	31	150	20	0.98				
PTFE-OE-025	RC,SI	36.6	105	31	150	10	0.98				
PTFE-OF-025	KYB	34.0	70	15.5	46.5	40	0.49				
PTFE-OA-032	TO	-	82	4	16	30	0.53				
PTFE-OB-032	SS	38.4	82	27	140	30	0.82				
PTFE-OC-032	PB	43.6	82	27	81	30	0.66				
PTFE-OD-032	SS,RC/FP	42.8	123	27	140	20	1.12				
PTFE-OE-032	RC,SI	42.8	123	27	140	10	1.12				
PTFE-OF-032	KYB	43.6	82	13.5	40.5	30	0.57				
PTFE-OA-040	TO	-	100	3.5	14	25	0.97				
PTFE-OB-040	SS	44.6	100	23	120	25	1.50				
PTFE-OC-040	PB	48.6	100	23	69	25	1.20				
PTFE-OD-040	SS,RC/FP	55.8	150	23	120	25	1.90				
PTFE-OE-040	RC,SI	55.8	150	23	120	10	1.90				
PTFE-OF-040	KYB	48.6	100	11.5	34.5	25	1.05				

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 Chemical resistance table hoses

PTFE-0A-050					TO	-	140	3	12	18	1.36
PTFE-0B-050					SS	59.0	140	20	100	18	2.10
PTFE-0C-050					PB	62.0	140	20	60	18	1.68
PTFE-0D-050	50	2	43	56,5	SS,RC/FP	68.0	210	20	100	18	2.72
PTFE-0E-050					RC,SI	68.0	210	20	100	10	2.72
PTFE-0F-050					KYB	62.0	140	10	30	18	1.47
PTFE-0A-065					TO	-	178	2.5	10	13	1.68
PTFE-0B-065					SS	73.0	178	16	70	13	2.58
PTFE-0C-065					PB	77.0	178	16	48	13	2.06
PTFE-0D-065	65	2 ½	54	71	SS,RC/FP	79.0	267	16	70	13	3.10
PTFE-0E-065					RC,SI	79.0	267	16	70	10	3.10
PTFE-0F-065					KYB	77.0	178	8	24	13	1.81
PTFE-0A-080					TO	-	230	2	8	10	2.14
PTFE-0B-080					SS	86.0	230	14	60	10	3.29
PTFE-0C-080					PB	90.0	230	14	42	10	2.63
PTFE-0D-080	80	3	64	83,6	SS,RC/FP	95.0	345	14	60	10	3.95
PTFE-0E-080					RC,SI	95.0	345	14	60	10	3.95
PTFE-0F-080					KYB	90.0	230	7	21	10	2.30
PTFE-0A-100					TO	-	300	1.5	6	5	3.46
PTFE-0B-100					SS	125.0	300	10	40	5	5.33
PTFE-0C-100					PB	128.0	300	10	30	5	4.26
PTFE-0D-100	100	4	98	123,3	SS,RC/FP	131.0	450	10	40	5	6.40
PTFE-0E-100					RC,SI	131.0	450	10	40	5	6.40
PTFE-0F-100					KYB	-	-	-	-	-	-
PTFE-0A-150					TO	-	600	0.75	3	4	6.50
PTFE-0B-150					SS	170.0	600	5	20	4	10.00
PTFE-0C-150					PB	-	-	-	15	-	-
PTFE-0D-150	150	6	130	161,2	SS,RC/FP	176.0	900	5	20	4	12.00
PTFE-0E-150					RC,SI	176.0	900	5	20	4	12.00
PTFE-0F-150					KYB	-	-	-	-	-	-

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