

# How to Order Corroflon Hose Assemblies

## How to Order

The quantity, hose size, liner, braid, cover, protection system, length and fittings must be selected and specified in full.

**EITHER** by a full, written description. The hose grade can be specified by the code initials e.g. "Corroflon AS, SS, RC, DRC-300" defines an antistatic PTFE lined hose with an EPDM rubber cover over a SS braid, with a double rubber cover at both ends.

The quantity, length and fittings can then be written in - e.g. "4 off x 1" bore Corroflon, AS, SS, RC, DRC-300 hose x 3.00 metres long (10ft). Both ends non-lined ANSI 150# S/S Flanges".

**OR** by Part Numbers, as defined on page 11.

Any special requirements relating to the hose construction, or information required on Tags, or Certificates, or special testing of requirements, must be specified in full on the enquiry or purchase order.

## Selecting the Hose Grade

PTFE Liners include, Standard (GP) or Special Purpose (SP), both available either in natural white PTFE or in black, Antistatic PTFE (AS). There are four types of braid, Grade 304 stainless steel (SS) polypropylene (PB), Hastelloy (HB), PVDF or Kynar (KYB). These are described on pages 12 & 13. Rubber covering and other external protection systems are also available, described on page 14.

A hose grade is specified by using the abbreviations given. For example, Bioflex AS,PB would describe a hose with an anti-static PTFE liner and a polypropylene braid.

**Note:** Most of the sizes of hose and fittings listed in this brochure are available as ex-stock items and are priced accordingly. However, when certain items have not been purchased in the last 12 months, they are no longer held in stock, and are only available to Special Order.

Aflex Hose will advise accordingly when enquiries are placed for these items.

## Selecting the Hose Length (see also pages 33 - 35)

Corroflon hose assemblies are made up to the specific lengths required. The hose length is taken as the length from the sealing face at one end of the hose to the same at the other end. The length tolerance is normally +10% -0% for lengths more than 1 mtr, and +5%-0% for lengths up to 1 mtr. Closer tolerances are available to special order.

Corroflon Hose Assembly Length Limitations									
Nominal Size of Hose		*Minimum Hose Assembly Length						Maximum Hose Assembly Length	
		Used Straight		Minimum at MBR					
		All Types		TO, SS, PB, KYB		RC			
in	mm	in	mm	in	mm	in	mm	ft	mtrs
1/2	15	3	75	2.36	60	3.54	90	91	28
3/4	20	3	75	3.19	81	4.72	120	98	30
1	25	3	75	4.33	110	6.50	165	131	40
1 1/4	32	3	75	5.08	129	7.64	194	98	30
1 1/2	40	3	75	6.22	158	9.29	236	82	25
2	50	3	75	8.66	220	12.99	330	60	18
2 1/2	65	4	100	11.02	280	16.54	420	43	13
3	80	4	100	14.25	362	21.34	542	32	10
4	100	12	300	18.58	472	27.83	707	16	5
6	150	12	300	37.13	943	55.67	1414	14	4

\* Listed minimum lengths are for the Corroflon Hose only, and **DO NOT INCLUDE THE LENGTHS OF THE FITTINGS AT EACH END.**

These must be found from the end fitting pages and added to calculate the minimum length of the hose assembly.

Used straight with fittings in line.

Only minimal vibration permitted.

## Selecting the End Fittings

Corroflon is available with a range of 'standard' end fittings (described on pages 15-32), both integral PTFE lined and non-lined

## Stainless Steel End Fitting Materials

Non-Lined Spigots - are all made from Grade 316L SS

PTFE Lined Spigots - are all made from Grade 316L or Grade 316C SS

Cam and Groove Female Fittings - are made from Grade 316C SS (Body) and 316L SS (Spigot)

Swivelling Nuts and Flanges - are all made from Grade 304 SS

Ferrules - most ferrules are made from Grade 304 SS, except some are made from Grade 316L SS - consult Aflex Hose if necessary.

The equivalent specification for the different Grades of Stainless Steel are listed below:

Grade	BS - British Standard	AISI - American Standard or C = Casting Grade	EN - European Norm
316L SS	BS 316 S11	AISI 316 L	EN 1.4404
316C SS	BS 316 C16	CF8M	EN 1.4408
304 SS	BS 304 S15	AISI 304	EN 1.4301

## Conditions of Sale

Corroflon hose and hose assemblies are only supplied on the basis that the customer has read and accepted the Conditions of Sale as given at the end of this brochure and on the Aflex Hose website.