

How to Order Corroline⁺ Hose Assemblies

Corroline Hose Assemblies

Corroline⁺ hose is custom built into hose assemblies after the hose size and grade, length and end fittings have been selected.

The specification and information contained in this brochure can be used to make these selections, but if there are any doubts concerning the hose usage limitations or performance capabilities, customers should request expert advice from Aflex Hose.

Selecting the Hose Grade

There are two types of PTFE hose liner tube available, natural (GP) grade and antistatic black (AS) grade, fully described on page 10

If needed there are 3 options for extra protection of the hose against externally applied abrasion and mechanical damage, fully described on page 11:

- Double Rubber Cover end protection cuffs (DBK)
- Safegard HDPE spiral-wrap for abrasion protection (SG)
- Helically wound, heavy guage SS wire outer Protection Coil (PC)

Selecting the Hose Assembly Length

The lengths of Corroline⁺ hose assemblies are as specified by the customer and the length is measured from the sealing face at one end fitting to the same at the other end of the hose.

Length tolerances are normally +5% -0%.

Maximum lengths are given under Specifications on page 6

Minimum lengths can be calculated from the configuration data on pages 27 - 29.

Selecting the End Fittings

The range of non-lined standard PTFE tail end fittings and materials are given on pages 12 - 22

Non-lined hydraulic design end fittings are described on page 23

Flange fittings and Cam and Groove fittings are available either non-lined, or with integral PTFE lined and flared ends, see pages 13-15

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 which are made from Grade 316L SS. Consult Aflex Hose if necessary.

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

Specification Equivalent List

Grade	BS - British Standards	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

**To special order, end fittings components can be made in non-standard grades of SS such as 1.4571, 1.4435, or other materials such as Hastelloy or Monel*

How to Order

The quantity, hose size, grade, length and fittings must be specified in full.

Either by a full, written description. The hose grade can be specified by the code initials e.g. 'Corroline⁺ AS, SG' defines an antistatic PTFE lined hose which includes an outer Safegard sleeve.

The quantity, length and fittings can then be written in - e.g. "4 off x 1" bore Corroline⁺ AS, SG hose x 3.00 metres long. Both ends non-lined ANSI 150# S/S Flanges".

Or by Part Numbers, as defined on page 9 - e.g. 4 off Part No. 16-CLN+AS-SG-3.00m-12-12

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

Conditions of Sale

Corroline⁺ hose and hose assemblies are only supplied on the basis that the customer has read and accepted the Conditions of Sale as given on page 30. Customers own Conditions of Sale (or equivalent) are not accepted unless an acceptance signed by a Director of Aflex is supplied.