Corroline +
PTFE Hose for chemical and process fluid transfer

Very flexible - very tough - fully kink and crush resistant - smooth bore for fast flow and easy clean

CORROLINE+ PTFE HOSE ASSEMBLY

PTFE LINER TUBE IS EXTENDED THROUGH THE BORE OF THE FITTING, THEN FLARED OUT TO FORM THE SEALING FACE.
NO BORE RESTRICTION AND PTFE LINED THROUGHOUT FITTING

PTFE LINED & FLARED SWIVEL FLANGE END FITTING

BLACK EPDM RUBBER COVER - ANTI-STATIC AND FIREPROOF
(Marked in accordance with EN16643:2016)

PTFE LINER TUBE, EXTERNALLY CONVOLUTED, INTERNALLY SMOOTH.
NATURAL WHITE, OR BLACK ANTI-STATIC

CORROLINE+ PTFE HOSE ASSEMBLY

STAINLESS STEEL WIRE BRAID

STAINLESS STEEL WIRE HELICALLY WOUND INTO CONVOLUTIONS

HELICAL STEEL WIRE REINFORCEMENT ENCASED IN THE RUBBER COVER

CORROLINE + HOSE SPECIFICATIONS

HOSE BORE SIZE RANGE -
1/2” (13MM) UP TO 3” (80MM)

HOSE LENGTHS -
100 FEET (30 METERS) UP TO 2”, 59 FEET (18 M) UP TO 2 1/2”,
49 FEET (15 METERS) UP TO 3”

TEMPERATURE LIMITS -
FROM -40°F (-40°C) UP TO +302°F (+150°C) CONTINUOUS

WORKING PRESSURE RATINGS -
FROM 1000 PSI (69 BAR) FOR 1/2” BORE TO 218 PSI (15 BAR)
FOR 3” BORE

VACUUM LIMITATIONS -
USABLE AT VACUUM TO -0.9BAR FOR ALL SIZES

END FITTING OPTIONS Non-Lined, or PTFE lined and flared design for: ANSI 150, DIN AND JIS SWIVEL FLANGE FITTINGS, CAM & GROOVE FITTINGS AND DIP PIPES

END FITTING OPTIONS Non-Lined design for: SANITARY TRI-CLAMP FITTINGS, BSP, NPT AND JIC THREADED FITTINGS, DIN 11851, RJT AND SMS HYGENIC FITTINGS

ALT. DESIGN OPTIONS (TO SPECIAL ORDER) -
IF BRAIDED ONLY, DIFFERENT COLOR RUBBER COVERS, OR PTFE LINED & FLARED END FITTINGS FOR THE OTHER FITTING DESIGNS ARE REQUIRED, IT MAY BE POSSIBLE TO MATCH THOSE REQUIREMENTS WITH THE BIOFLEX ULTRA PRODUCT
PRESSURE AND TEMPERATURE LIMITATIONS

MAXIMUM WORKING PRESSURES - as listed above apply from -40˚F (-40˚C) up to the maximum operating temperature of 302˚F (150˚C).

BURST PRESSURES - The hose burst pressures are equal to or more than the maximum working pressures x 4.

VACUUM LIMITATIONS

Usable at vacuum to -0.9bar up to 302˚F (150˚C).

FLEXIBILITY

Much less force to bend than any other equivalent smooth bore PTFE lined hose product.

KINK RESISTANCE

Much more resistant to kinking than any other equivalent smooth bore PTFE lined hose product, and much more kink resistant than the previous Corroline Product.

FIRE RESISTANCE

Corroline+ Hose is Fireproof to BS5173 Section 103.13 Parts 6.2 & 6.3, and Corroline+ hose assemblies can be upgraded to Fireproof by applying DBK 300 at each end (see full brochure). All assemblies comply with the flammability requirement as set out in EN 16643:2016.

‘ROLLING U’ FLEX LIFE TEST

More than 100x the flex life to failure compared with all other types of smoothbore PTFE, FEP & PFA lined rubber covered hose products.

FLOW RATES

More than 2X the flow rates for convoluted bore hose designs. Consult Aflex Hose for specific flow rate information.

GAS PERMEABILITY

Reduced gas permeability compared with other PTFE lined hose designs, due to the heavy compression applied to the PTFE during the processing which reduces porosity.

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