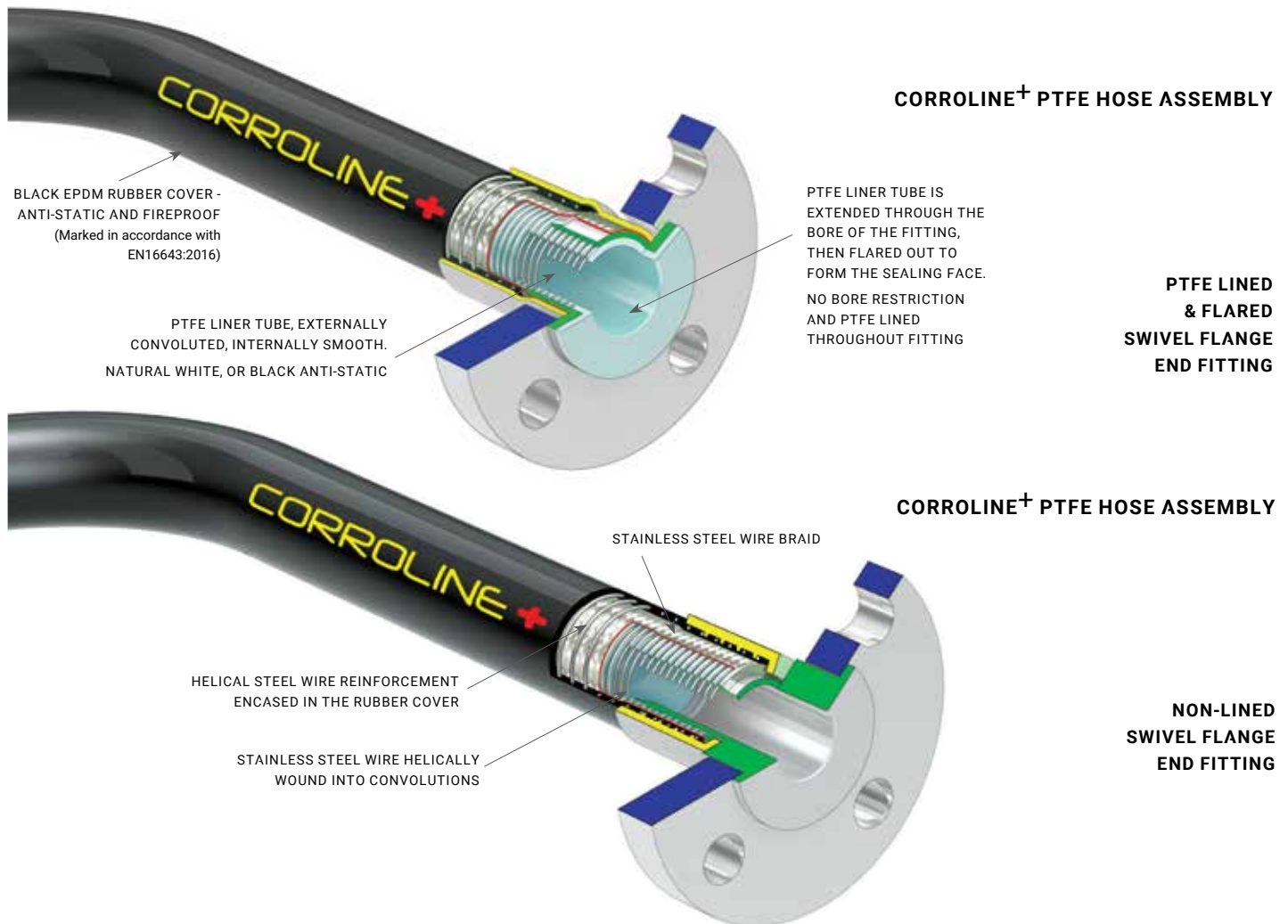


# CORROLINE<sup>+</sup><sup>®</sup>

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<sup>+</sup> HOSE SPECIFICATIONS

### HOSE BORE SIZE RANGE -

1/2" (13MM) UP TO 3" (80MM)

### MAXIMUM HOSE LENGTHS -

30 METRES (100 FEET) UP TO 1 1/2", 25 METRES (80 FEET) 2"

18 METRES (60 FEET) 2 1/2", 15 METRES (50 FEET) 3"

### TEMPERATURE LIMITS -

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

### WORKING PRESSURE RATINGS -

FROM 69 BAR (1000 PSI) FOR 1/2" BORE, TO 15 BAR (218 PSI) 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:*

ANSI 150, DIN AND JIS SWIVEL FLANGE FITTINGS, CAM & GROOVE FITTINGS AND DIP PIPES

### END FITTING OPTIONS - *Non-lined design:*

SANITARY TRI-CLAMP FITTINGS, BSP, NPT AND JIC THREADED FITTINGS, DIN 11851, RJT AND SMS HYGIENIC FITTINGS

### ALTERNATIVE DESIGN OPTIONS (TO SPECIAL ORDER) -

IF BRAIDED ONLY, DIFFERENT COLOUR RUBBER COVERS, OR PTFE LINED AND FLARED END FITTINGS FOR THE OTHER FITTING DESIGNS ARE REQUIRED, IT MAY BE POSSIBLE TO MATCH THOSE REQUIREMENTS WITH THE BIOFLEX ULTRA PRODUCT - CONSULT AFLEX HOSE.

Nominal Hose Size		Actual Bore Size		Outside Diameter		Maximum Working Pressure		Minimum Bend Radius		**Maximum Continuous Lengths		Weight per Unit Length	
in	mm	in	mm	in	mm	psi	bar	in	mm	ft	mtrs	Kg/Mtr	lb/ft
1/2 *	13	0.51	13.1	0.85	21.5	1000	69	1 3/8	38	100	30	0.40	0.27
3/4 *	20	0.76	19.3	1.12	28.5	624	43	2	50	100	30	0.70	0.47
1	25	1.01	25.7	1.45	37.0	600	41	2 3/4	70	100	30	1.10	0.74
1 1/4	32	1.26	32.2	1.75	44.6	550	38	3 5/16	100	100	30	1.60	1.07
1 1/2	40	1.51	38.5	2.03	51.7	500	34	4 3/4	120	100	30	1.92	1.29
2	50	2.01	51.1	2.55	65.0	400	28	5 15/16	150	100	30	2.80	1.88
2 1/2	65	2.51	63.7	3.17	80.5	290	20	11 13/16	300	59	18	3.98	2.67
3	80	3.02	76.8	3.65	92.8	218	15	13 3/4	350	49	15	4.42	2.97

\* The 1/2" and 3/4" size hoses do not include the helical wire embedded in the rubber

\*\* Longer lengths may be available, to special order

#### • Pressure and Temperature Limitations

**Maximum Working Pressures** - as listed above apply from -40°C (-40°F) up to the maximum operating temperature of 150°C (302°F).

**Burst Pressures** - The hose burst pressures are equal to or more than the maximum working pressures × 4.

#### • Vacuum Limitations

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

#### • Flexibility

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

#### • Kink resistance

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

#### • Fire resistance

Corroline<sup>+</sup> hose is Fireproof to BS5173 Section 103.13 Parts 6.2 and 6.3, and Corroline<sup>+</sup> 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 100 × the flex life to failure compared with all other types of smooth bore PTFE, FEP and PFA lined rubber covered hose products.

#### • Flow rates

More than 2 times 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 processing which reduces porosity.

### CLN+ - UK/29.09.20 Rev 7



A member of Watson-Marlow Fluid Technology Group.  
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