

### PTFE CORROFLON™ HOSE

Corroflon was launched in 1978, and since then all of the major advances in convoluted PTFE hose design have been pioneered and incorporated into the Corroflon hose product range. These include anti-static PTFE, polypropylene braid, and EPDM or silicone rubber hose covers.

Another feature developed and introduced is PTFE lined and flared end fittings which protect the end fitting from contact with the process fluid, and provide clean, uninterrupted fluid flow through the end fitting.

Corroflon is also fully kink resistant and vacuum resistant due to the tight helical wire reinforcement and the convoluted design profile.

#### SIZE RANGE

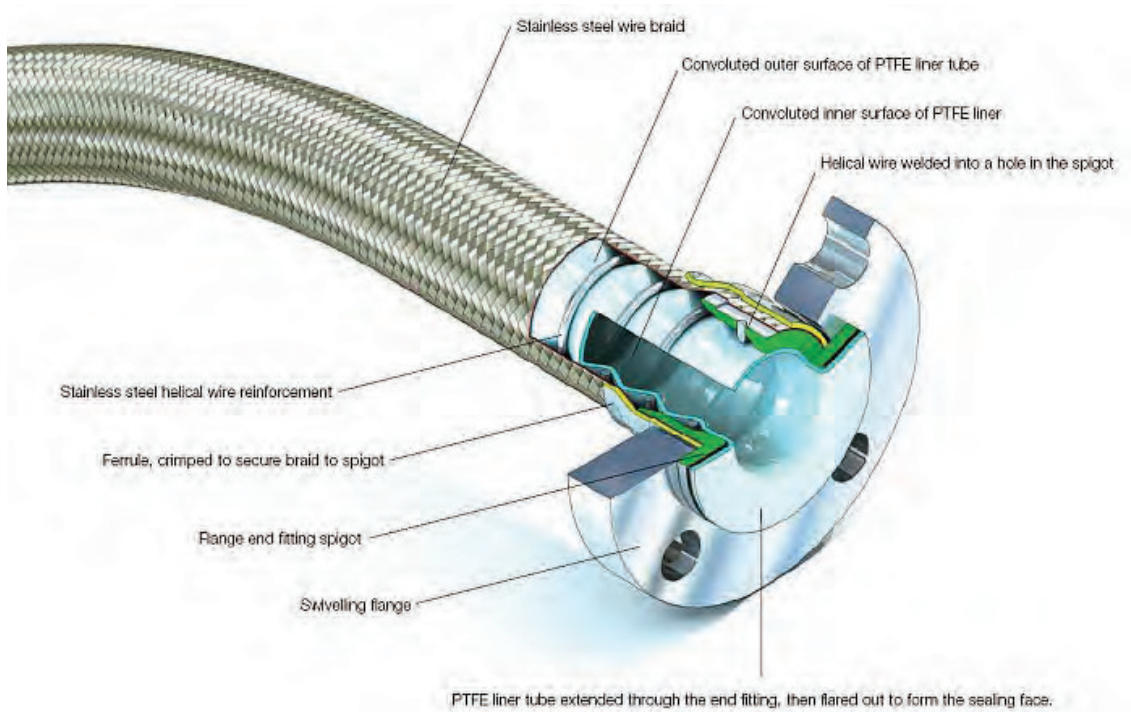
1/2" (12.7mm) up to 6" (150mm).

#### HOSE DESIGN OPTIONS

Natural or anti-static PTFE, stainless steel braid, with or without an EPDM or silicone rubber cover, or polypropylene, PVDF or hastelloy braid.

#### END FITTING OPTIONS

ASA150 or DIN flanges, Sanitary Triclamps (Triclosures), Camlocks, DIN11851, RJT, RJP and SMS fittings, BSPT or NPT fixed males, BSP or NPSM females, JIC, I-Line and many other standard and special fitting designs.



#### ADVANTAGES

1. Internally 'wetted' parts are all PTFE, protecting the end fitting from any corrosive fluids.
2. No bore restriction, so fluid flow through the fitting is clean, without entrapment zones.

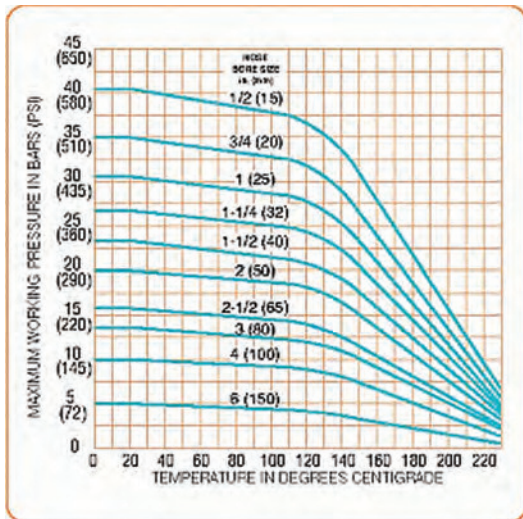
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#### SIZES AND SPECIFICATIONS RELEVANT TO STAINLESS STEEL BRAIDED ONLY

Nominal Hose Bore Size		Bore Inside Convolutions		O.D. of Tube	Wall of Tube	O.D. of Braid or Rubber	Minimum Bend Radius	MWP	Minimum Burst Pressure	Maximum Continuous Length	Weight
in	mm	in	mm	mm	mm	mm	mm	bar	bar	mtrs	kg/mtrs
1/2	15	0.440	11.2	16.00	1.4	17.5	38	41	450	28	0.33
3/4	20	0.620	15.7	21.40	1.4	23.1	51	35	210	30	0.45
1	25	0.847	21.5	29.40	1.5	31.70	70	31	150	40	0.70
1 1/4	32	1.080	27.5	37.00	1.5	38.4	82	27	140	30	0.82
1 1/2	40	1.250	32.0	42.70	1.6	44.6	100	23	120	25	1.50
2	50	1.690	43.0	56.50	1.7	59.00	140	20	100	18	2.10
2 1/2	65	2.120	54.0	71.00	1.7	73.0	178	16	70	13	2.58
3	80	2.500	64.0	83.60	1.8	86.0	230	14	60	10	3.29
4	100	3.860	98.0	114.3	2.0	117.0	300	10	40	5	5.05
6	150	5.250	130.0	161.2	2.5	170.0	600	5	20	4	10.0

#### TEMPERATURE VS PRESSURE

The graph below gives maximum pressure for each size of Corroflon GP, SS hose. At temperatures less than 0°C, the listed maximum working pressures apply, down to -70°C.



#### TEMPERATURE VS VACUUM

All sizes of Corroflon GP, SS up to 2" bore are usable at full vacuum up to 130°C. At higher temperatures, the vacuum resistance should be reduced 1% for every degree above 130°C. For sizes above 2" bore, the vacuum resistance depends on the bend radius used. In general, for sizes above 2" when high/full vacuum resistance is required, use SP grade.

#### MAXIMUM OPERATING TEMPERATURES (INTERNAL FLUID)

SS braid -70°C to +260°C