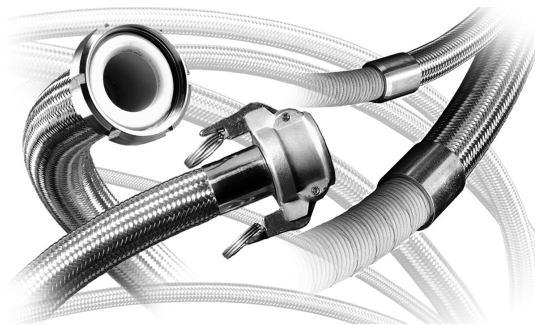


San-Flon Convoluted & Smooth Bore PTFE Hose & Hose Assemblies



The San-Flon™ range of smooth and convoluted PTFE hose and hose assemblies are available from 1/4 inch through to 1 inch and 3/8 inch to 4 inch respectively.

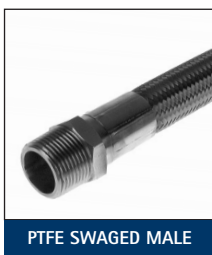
A range of outer coverings including glass fibre and polymer braid are available. Bounce Ring Protectors and Spiral Guards can be fitted.

Assemblies are available with a wide range of end fittings.

All hoses are tested 150 psi air under water and can be supplied with a wide range of certification if required. This must be specified at the time of enquiry or order.

We can also make your specialist requirements such as heat traced and duplex assemblies.

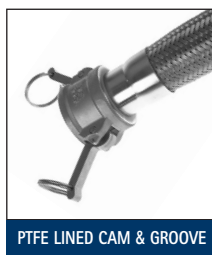
Standard End Connections



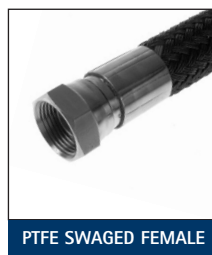
PTFE SWAGED MALE



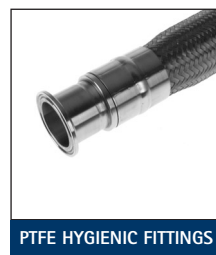
PTFE LINED FLANGE



PTFE LINED CAM & GROOVE



PTFE SWAGED FEMALE



PTFE HYGIENIC FITTINGS

SAN-FLO™ STAINLESS STEEL OVERBRAIDED CONVOLUTED PTFE HOSE

SIZE DESCRIPTION	INTERNAL DIAMETER		WALL THICKNESS		OUTSIDE DIAMETER		MINIMUM BEND RADIUS	MAXIMUM WORKING PRESSURE	MAXIMUM BURST PRESSURE							
	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM										
	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(bar)	(psi)	(bar)	(psi)				
3/8" ASSEMBLY	6.73	0.265	7.49	0.295	0.76	0.030	11.94	0.470	12.70	0.500	17.8	0.700	172	2500	517	7500
1/2" ASSEMBLY	9.14	0.360	9.91	0.390	0.76	0.030	14.73	0.580	15.75	0.620	20.3	0.800	138	2000	414	6000
5/8" ASSEMBLY	12.45	0.490	13.21	0.520	0.89	0.035	18.29	0.720	19.30	0.760	25.4	1.000	103	1500	310	4500
3/4" ASSEMBLY	15.37	0.605	16.38	0.645	0.89	0.035	21.59	0.850	22.61	0.890	50.8	2.000	83	1200	248	3600
7/8" ASSEMBLY	18.54	0.730	19.56	0.770	0.89	0.035	24.00	0.945	25.27	0.995	63.5	2.500	69	1000	207	3000
1" ASSEMBLY	21.84	0.860	22.86	0.900	0.89	0.035	27.94	1.100	29.46	1.160	76.2	3.000	57	830	172	2500

Note: Pressure ratings for polymer braid on application

SAN-FLO™ STAINLESS STEEL OVERBRAIDED SMOOTH BORE PTFE HOSE

SIZE DESCRIPTION	INTERNAL DIAMETER		WALL THICKNESS		OUTSIDE DIAMETER		MINIMUM BEND RADIUS	MAXIMUM WORKING PRESSURE	MAXIMUM BURST PRESSURE							
	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM										
	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(bar)	(psi)	(bar)	(psi)				
1/4" ASSEMBLY	5.97	0.235	6.48	0.255	0.64	0.025	8.13	0.320	9.14	0.360	76.2	3.000	241	3500	724	10500
5/16" ASSEMBLY	7.54	0.297	8.05	0.317	0.58	0.023	9.91	0.390	10.82	0.426	101.6	4.000	230	3330	689	10000
3/8" ASSEMBLY	8.69	0.342	9.19	0.362	0.64	0.025	11.18	0.440	12.19	0.480	127.0	5.000	219	3170	655	9500
13/32" ASSEMBLY	10.03	0.395	10.54	0.415	0.76	0.030	12.70	0.500	13.72	0.540	133.4	5.250	195	2830	586	8500
1/2" ASSEMBLY	12.12	0.477	12.62	0.497	0.89	0.030	14.99	0.590	15.80	0.622	139.7	5.500	161	2330	483	7000

Note: Pressure ratings for polymer braid on application

LARGER BORE SIZES AVAILABLE

FOR INSTALLATION & SAFETY GUIDELINES REFER TO THE TECHNICAL SECTION

Suparflex

Description: Parnor corrugated flexible metal hose assembly with close pitch annular corrugations, obtained by hydroforming
Flexible hose meeting the requirement of the **class 1 of the EN-ISO-10380 standard**

Corrugated hose: AISI: 316L DIN: 1.4404 EN: X2 Cr Ni Mo 17-12-2
AISI: 321 DIN: 1.4541 EN: X6 Cr Ni Ti 18-10

Braid: AISI: 304 DIN: 1.4031 EN: X5 Cr Ni 18-10

SUPARFLEX FLEXIBLE METALLIC HOSE									
ND (mm)	BRAID (T)	O.D. (mm)	PMA (Bars)	Dyn R (mm)	Stat R (mm)	PED CATEGORY: X Y CAT1 – CAT2 According to Pressure (Bar)			
						GD	GND	LD	LND
6 (0.25in)	T0	9.8	18	-	10	Y	Y	Y	Y
	T1	11.4	140	110	23				
10 (0.35in)	T0	16.2	10	-	16	Y	Y	Y	Y
	T1	17.8	100	150	32				
12 (0.5in)	T0	18.6	12	-	24	Y	Y	Y	Y
	T1	20.2	80	165	39				
20 (0.75in)	T0	28.3	4.3	-	35	Y	Y	Y	Y
	T1	29.9	50	225	60				
25 (1in)	T0	34.8	3	-	42	Y	Y	Y	Y
	T1	36.4	40	260	73				
32 (1.25in)	T0	43.4	3.3	-	51	Cat 1 PS ≤ 31.2	PS ≤ 31.2	Y	Y
	T1	45.4	40	300	90				
40 (1.5in)	T0	52.4	2.2	-	61	Cat 1 PS ≤ 25	PS ≤ 25	Y	Y
	T1	54.4	32	340	115				
50 (2in)	T0	64.8	2.1	-	73	Cat 1 PS ≤ 20	PS ≤ 20	Y	Y
	T1	67.3	32	390	140				
65 (2.5in)	T0	80.9	1.3	-	89	Cat 1 PS ≤ 15.4	PS ≤ 15.4	Y	Y
	T1	83.4	25	460	175				
80 (3in)	T0	99.6	1.4	-	108	Cat 1 PS ≤ 12.5	PS ≤ 12.5	Y	Y
	T1	102.6	23	660	240				
100 (4in)	T0	126.5	0.5	-	126	X PS ≤ 10	PS ≤ 10	Y	X
	T1	129.5	15	750	290				
125 (5in)	T0	152.0	0.4	-	147	X Cat 2	PS ≤ 8	PS ≤ 8	X
	T1	155.0	13	1000	340				
150 (6in)	T0	174.0	0.3	-	169	X Cat 2	PS ≤ 6.6	PS ≤ 6.6	X
	T1	177.0	11	1250	390				

All the above values are for hose assemblies manufactured by Dixon and can be modified without prior notice.

PED Pressure Equipment Directive

GD Dangerous Gas **LD** Dangerous Liquid
GND Non dangerous Gas **LND** Non Dangerous Liquid

Requirements related to the PED, according to Pr EN 14585.

X PS ≤ 0.5 b Not subject to
Y Subject to, and meeting the requirements of the EN ISO 10380 std
Z Cat. 1 & 2 Subject to, refer to the standard or to Dixon
Cat. 3 On request

Temperature: Determination of the PED category: Do not take the working temperature into account.
PMA calculation: refer to the derating factors of the EN ISO 10380 standard

FOR INSTALLATION & SAFETY GUIDELINES REFER TO THE TECHNICAL SECTION

Hyparflex

Description: Parrap corrugated flexible metal hose assembly with close pitch annular corrugations, obtained by hydroforming
Flexible hose meeting the requirement of the **class 1 of the EN-ISO-10380 standard**

Corrugated hose: AISI: 316L DIN: 1.4404 EN: X2 Cr Ni Mo 17-12-2
AISI: 321 DIN: 1.4541 EN: X6 Cr Ni Ti 18-10

Braid: AISI: 304 DIN: 1.4301 EN: X5 Cr Ni 18-10

HYPARFLEX FLEXIBLE METALLIC HOSE									
ND (mm)	BRAID (T)	O.D. (mm)	PMA (Bars)	Dyn R (mm)	Stat R (mm)	PED CATEGORY: X Y CAT1 – CAT2 According to Pressure (Bar)			
						GD	GND	LD	LND
6 (0.25in)	T0	9.8	18	-	9				
	T1	11.4	150	110	20	Y	Y	Y	Y
10 (0.35in)	T0	16.2	6	-	14				
	T1	17.8	115	150	20	Y	Y	Y	Y
12 (0.5in)	T0	18.6	6	-	21				
	T1	20.2	80	124	25	Y	Y	Y	Y
20 (0.75in)	T0	28.3	2.2	-	32				
	T1	29.9	55	169	38	Y	Y	Y	Y
25 (1in)	T0	34.8	1.8	-	37				
	T1	36.4	40	195	45	Y	Y	Y	Y
32 (1.25in)	T0	43.4	1.6	-	46				
	T1	45.4	40	225	58	Cat 1 PS ≤ 31.2 PS ≤ 31.2	Y	Y	Y
40 (1.5in)	T0	52.4	1.2	-	55				
	T1	54.4	32	225	70	Cat 1 PS ≤ 25 PS ≤ 25	Y PS ≤ 25 PS ≤ 25	Y	Y
50 (2in)	T0	64.8	1	-	65				
	T1	67.3	32	293	85	Cat 1 PS ≤ 20 PS ≤ 20	Y PS ≤ 20 PS ≤ 20	Y	Y
65 (2.5in)	T0	80.9	0.5	-	80				
	T1	83.4	25	345	105	Cat 1 PS ≤ 15.4 PS ≤ 15.4	Y PS ≤ 15.4 PS ≤ 15.4	Y	Y
80 (3in)	T0	99.6	0.7	-	97				
	T1	102.6	23	495	180	Cat 1 PS ≤ 12.5 PS ≤ 12.5	Y PS ≤ 12.5 PS ≤ 12.5	Y	Y
100 (4in)	T0	126.5	0.4	-	113				
	T1	129.5	15	563	218	X PS ≤ 10 PS ≤ 10	Y PS ≤ 10 PS ≤ 10	X Y	X Y
125 (5in)	T0	152.0	0.25	-	132				
	T1	155.0	13	1000	255	X Cat 2	Y PS ≤ 8 PS ≤ 8	X Y	X Y
150 (6in)	T0	174.0	0.2	-	152				
	T1	177.0	11	1250	290	X Cat 2	Y PS ≤ 6.6 PS ≤ 6.6	X Y	X Y

All the above values are for hose assemblies manufactured by Dixon and can be modified without prior notice.

PED Pressure Equipment Directive

GD Dangerous Gas **LD** Dangerous Liquid
GND Non dangerous Gas **LND** Non Dangerous Liquid

Requirements related to the PED, according to Pr EN 14585.

X PS ≤ 0.5 b Not subject to
Y Subject to, and meeting the requirements of the EN ISO 10380 std
Z Cat. 1 & 2 Subject to, refer to the standard or to Dixon
Cat. 3 On request

Temperature: Determination of the PED category: Do not take the working temperature into account
PMA calculation: refer to the derating factors of the EN ISO 10380 standard

FOR INSTALLATION & SAFETY GUIDELINES REFER TO THE TECHNICAL SECTION

HP / THP

Description: Corrugated flexible hose assembly, high pressure (HP-1 Braid) and very high pressure (TH-2 Braids) with close pitch annular corrugations, obtained by hydroforming.
Flexible hose meeting the requirement of the **class 1 of the EN-ISO-10380 standard**

Corrugated hose: AISI: 316L DIN: 1.4404 EN: X2 Cr Ni Mo 17-12-2
AISI: 321 DIN: 1.4541 EN: X6 Cr Ni Ti 18-10

Braid: AISI: 304 DIN: 1.4031 EN: X5 Cr Ni 18-10

HP/THP FLEXIBLE METALLIC HOSE

ND (mm)	BRAID (T)	O.D. (mm)	PMA (Bars)	Dyn R (mm)	Stat R (mm)	PED CATEGORY: X Y CAT1 – CAT2 According to Pressure (Bar)						
						GD	GND	GD	GD			
6 (0.25in)	T0	9.8	-	-	-							
	T1	11.4	180	110	25	Y	Y	Y	Y			
	T2	13	255	110	25							
10 (0.35in)	T0	16.2	-	-	-							
	T1	17.87	145	150	38	Y	Y	Y	Y			
	T2	19.4	195	150	38							
12 (0.5in)	T0	18.6	-	-	-							
	T1	20.2	140	165	45	Y	Y	Y	Y			
	T2	21.8	185	165	45							
20 (0.75in)	T0	27.5	-	-	-							
	T1	29.1	85	225	70	Y	Y	Y	Y			
	T2	30.7	125	225	70							
25 (1in)	T0	36.0	-	-	-							
	T1	38.0	78	215	85	Y	Y	Y	Y			
	T2	40.0	124	260	85							
32 (1.25in)	T0	44.0	-	-	-							
	T1	46.5	65	300	105	PS ≤ 31.2	PS ≤ 31.2	Y	PS ≤ 62.5	PS ≤ 62.5	Y	
	T2	49	90	300	105	PS ≤ 31.2	PS ≤ 31.2		PS ≤ 62.5	PS ≤ 62.5		
40 (1.5in)	T0	52.4	-	-	-							
	T1	54.9	61	280	130	PS ≤ 25	PS ≤ 25	PS ≤ 25	PS ≤ 25	PS ≤ 50	PS ≤ 50	Y
	T2	57.4	90	340	130	PS ≤ 25	PS ≤ 25	PS ≤ 25	PS ≤ 25	PS ≤ 50	PS ≤ 50	
50 (2in)	T0	64.8	-	-	-							
	T1	67.3	55	390	160	PS ≤ 20	PS ≤ 20	PS ≤ 20	PS ≤ 20	PS ≤ 40	PS ≤ 40	Y
	T2	69.8	78	390	160	PS ≤ 20	PS ≤ 20	PS ≤ 20	PS ≤ 20	PS ≤ 40	PS ≤ 40	
100 (4in)	T0	126.5	-	-	-							
	T1	129.5	24	750	290	PS ≤ 10	PS ≤ 10	PS ≤ 10	PS ≤ 10	PS ≤ 20	PS ≤ 20	Y
	T2	132.5	45	750	290	PS ≤ 10	PS ≤ 10	PS ≤ 10	PS ≤ 10	PS ≤ 20	PS ≤ 20	

All the above values are for hose assemblies manufactured by Dixon and can be modified without prior notice.

PED Pressure Equipment Directive

GD Dangerous Gas **LD** Dangerous Liquid
GND Non dangerous Gas **LND** Non Dangerous Liquid

Requirements related to the PED, according to Pr EN 14585.

X PS ≤ 0.5 b Not subject to
Y Subject to, and meeting the requirements of the EN ISO 10380 std
Z Cat. 1 & 2 Subject to, refer to the standard or to Dixon
Cat. 3 On request

Temperature: Determination of the PED category: Do not take the working temperature into account
PMA calculation: refer to the derating factors of the EN ISO 10380 standard

FOR INSTALLATION & SAFETY GUIDELINES REFER TO THE TECHNICAL SECTION