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the corrosion expert

FluoroFlow

PTFE Lined Hoses

CRP is a world leader in the manufacture of PTFE and PFA lined equipment including pipe, fittings, valves, bellows, sight glasses and other ancillary equipment and now also FluoroFlow Hoses.



PRODUCTS

FluoroFlow SCH

A super flexible, externally convoluted, smoothbore PTFE hose.

FluoroFlow HCH

A heavy wall extruded convoluted hose used extensively through the process industry.

SECTORS

Chemical

Agro-Chemical

Pharmaceutical

Petrochemical

Biotechnology

Pulp & Paper

Metals Refining

Food and Beverage

Manufacturing Sectors

CRP is your single source for a complete corrosion-resistant system suitable for the toughest applications.

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FluoroFlow HCH-PTFE Lined Hoses

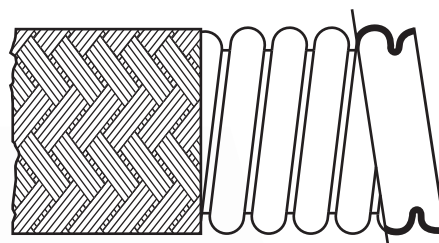
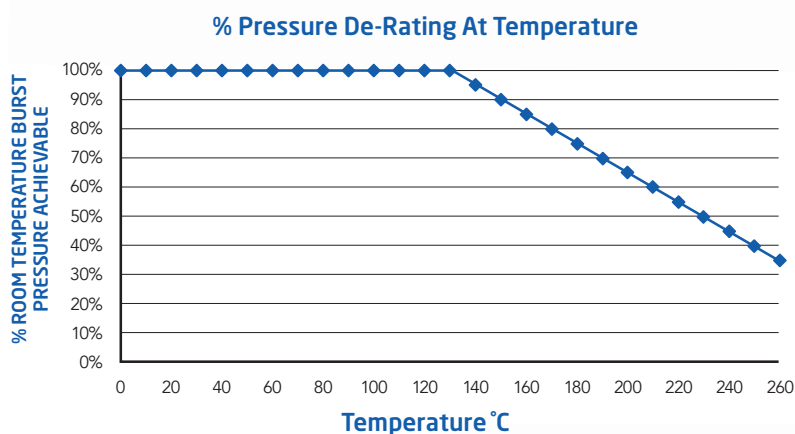
Heavy Walled



FluoroFlow HCH

A heavy wall extruded convoluted hose used extensively through the process industry. It's self cleaning design and unique way the hose can be lined through the fittings makes a completely bug free environment for applications where cleanliness is paramount. This also protects fittings against corrosion in applications transferring aggressive medias.

All hoses can be supplied with a Certificate of Conformity (CoC) upon request. Full Material certification (2.2 / 3.1) can be supplied if requested prior to manufacturing. All PTFE tubing used in production of our hose liners comply to the following Standards & Certification – FDA 21:177:1550 & EU Food, USP Class VI & 3-A Sanitary.



FEATURES

- A vacuum wire can be supplied if full vacuum is required.
- **Heavy Wall:** Convoluted PTFE tube with SS 304 / 316 braid.
- Natural (GP) or Anti-static (AS) helically convoluted heavy wall PTFE tube.
- SS 304 / 316 braid.
- **Temperature Min:** -60°C.
- **Temperature Max:** 200°C.
- **Material:** PTFE to: 'ASTM D4895, TYPE 1, GRADE 4, CLASS B' & 'ASTM D4895, TYPE 1, GRADE 3, CLASS B'
- **Flange Types Available:** ASME 150, DIN PN10/16, other flange types are available upon request.

Size	ID Nominal	OD Nominal	Wall Thickness	MBR	Max. Length	MWP* 100%	Bursting Pressure 100%	Vacuum*
(")	(mm)	(mm)	(mm)	(mm)	(meter)	(Bar)	(Bar)	(mBarg)
1/2"	13.08	17.9	0.89	40	20	4	16	-887
3/4"	19	26.4	1	60	20	3	12	-887
1.00"	25.4	35	1.2	80	20	3	12	-887
1.25"	31	41	1.2	100	20	2.5	10	-887
1.50"	35.5	45	1.6	120	20	2.5	10	-887
2.00"	47.5	58.5	1.6	165	20	2	8	-887
2.50"	60.25	76.25	1.6	230	20	1.5	6	-887
3.00"	74	92	1.6	260	20	1.25	5	-887
4.00"	98	121.3	1.82	300	20	1	4	-887

*MWP and *Vacuum value up to 130°C

MBR: Minimum Bending Radius
MWP: Maximum Working Pressure

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FluoroFlow SCH-PTFE Lined Hoses

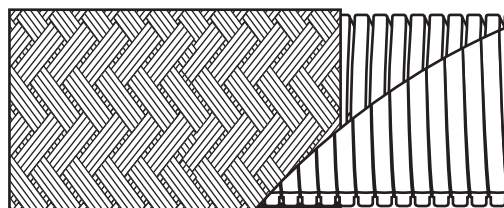
Stainless Steel Braided Smoothbore

FluoroFlow SCH

FluoroFlow SCH is a super flexible, externally convoluted, Smoothbore PTFE hose. When space and flexibility are an issue, but a smoothbore is a must for an uninterrupted flow and ease of cleaning, it is the ultimate problem solver.

Available with FDA approved Natural (GP) or Anti-static (AS) PTFE tubes. PTFE lined 'Flared/Tafted' fittings to improve cleanliness, remove bug traps and improve the ability to clean in place.

Used globally in applications that require the up most cleanliness and with its Smoothbore Convoluted liner and heavier wall it is more suited to the arduous applications found in the process plant industries – Pharmaceutical, Bio-pharm, Chemical, Food & Beverage & Clean environments.



Available Options

SS - STAINLESS STEEL BRAID

SS/RC - STAINLESS STEEL BRAID, RUBBER COVER

SS/SI - STAINLESS STEEL BRAID, SILICONE COVER

PB - POLYPROPYLENE BRAID

Size	ID Nominal	OD Nominal	Wall Thickness	MBR	Max. Length	MWP* 100%	Bursting Pressure 100%	Vacuum*
(")	(mm)	(mm)	(mm)	(mm)	(meter)	(Bar)	(Bar)	(mBarg)
1 / 2"	13.4	18	1.6	38	10	60	240	-887
3/4"	19.1	24.1	11.8	50	10	60	240	-887
7 / 8"	21	27	2.1	55	10	55	220	-887
1.00"	25.4	31.4	2.2	70	10	50	200	-887
1.25"	31.8	39.3	2.65	100	10	45	180	-887
1.50"	38.1	46.1	3	140	10	40	160	-887

*MWP and *Vacuum value up to 130°C

MBR: Minimum Bending Radius
MWP: Maximum Working Pressure

See graph on page 2 for pressure ratings

FEATURES

- **Smoothbore:** Convoluted PTFE tube with Stainless Steel 304 / 316 braid.
- **Inner layer:** Natural (GP) or Anti-static (AS) smoothbore convoluted PTFE tube.
- **Outer layer:** SS 304 / 316 braid.
(34 = Stainless Steel 304 Grade / 36 = Stainless Steel 316 Grade).
- **Temperature Min:** -60°C.
- **Temperature Max:** 200°C.
- **Material:** PTFE to: 'ASTM D4895, TYPE 1, GRADE 4, CLASS B' & 'ASTM D4895, TYPE 1, GRADE 3, CLASS B'.
- **Flange Types Available:** ASME 150, DIN PN10/16, other flange types are available upon request.