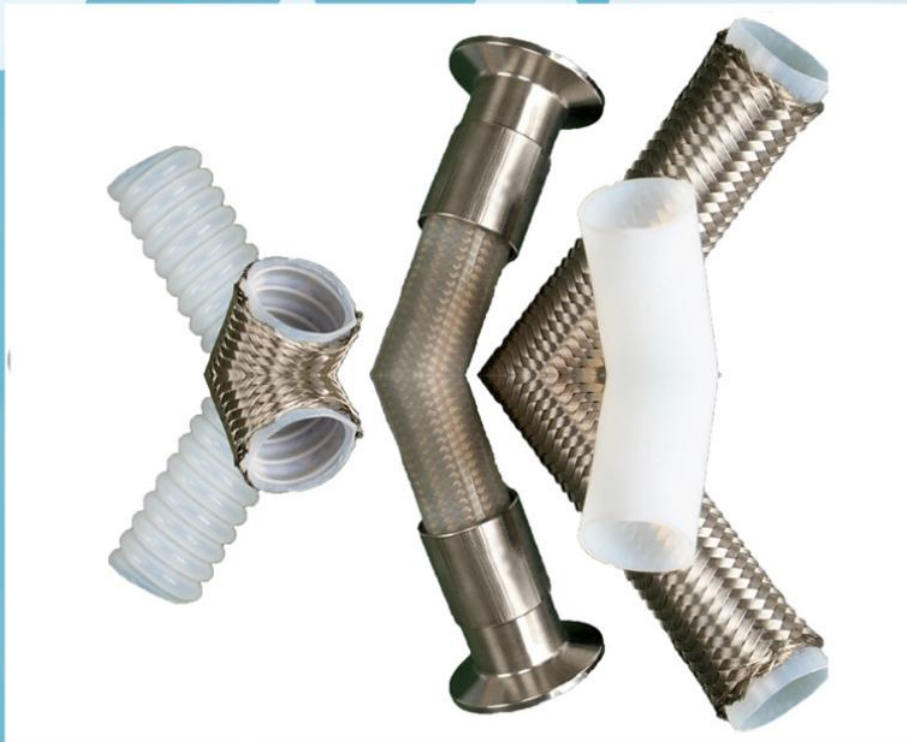




Maraton[®]

PTFE HOSE CATALOG

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Smooth Bore Hose

Outer Cover Materials

Smooth Bore Tubing








Convolute Hose

Convolute Tubing

Smooth Bore Hose



- Smooth bore hose comprises a straight PTFE tube liner and single or double stainless steel outer braid, and is the basic PTFE hose design being used successfully in many automotive, fluid handling, chemical transfer, paint, pharmaceutical, food & beverage processing, cosmetics and general-purpose applications.
- The hose core is made from virgin 100% PTFE resin without any pigment or additive.
- The wire braiding is produced from AISI 304 or 316 stainless steel wire.
- Anti-static (carbon) version of all hoses are available, consult us for further information.
- [Meet SAE 100R14 standard.](#)

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Part Number	Hose Sizes	ID	Wall Thickness	OD	Working Pressure		Burst Pressure		Bend Radius
	INCH	MM	MM	MM	BAR	PSI	BAR	PSI	MM
RSP PTFE01-03	1/8"	3.5	1	6.6	326	4733	1008	14613	51
RSP PTFE01-05	3/16"	4.8	0.85	8	247	3579	741	10738	75
RSP PTFE01-06	1/4"	6.4	0.85	9.2	214	3106	666	9658	81
RSP PTFE01-08	5/16"	8	0.85	11	192	2781	599	8682	92
RSP PTFE01-10	3/8"	9.7	0.85	12.8	189	2736	567	8223	131
RSP PTFE01-12	1/2"	12.7	1	15.9	156	2272	470	6818	182
RSP PTFE01-16	5/8"	16	1	19.2	130	1878	390	5650	211
RSP PTFE01-19	3/4"	19	1.2	22.7	80	1154	274	3979	338
RSP PTFE01-22	7/8"	22.2	1.2	26	61	887	199	2884	421
RSP PTFE01-25	1"	25	1.5	29.3	41	592	156	2263	539
RSP PTFE01-50	2"	50	2	55.6	31	444	122	1775	1015

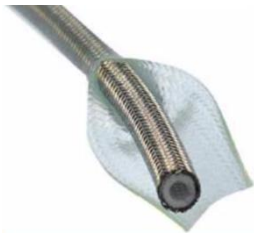
Outer Cover Materials



Outer Cover Materials include but not limit to PU, PVC, Glass Fiber, TPU, PVDF, Silicone, Dacron, Cotton Yarn, Motley Cotton Yarn, Aramid Fiber etc.

- PU/PVC - good protect to stainless steel layer, suitable for automotive hose
- Glass Fiber - heat insulation
- TPU - good protect to stainless steel layer
- Silicone - heat insulation, abrasion resistance
- Dacron - thermal insulation
- Cotton Yarn - thermal insulation
- Motley Cotton Yarn - thermal insulation
- Aramid Fiber - thermal insulation, increasing the working pressure

PU/PVC



PVDF



Silicone



TPU



Dacron



Cotton Yarn



Motley Cotton Yarn



Aramid Fiber



Smooth Bore Tubing



- Smooth bore tubing is made from virgin 100% PTFE resin without any pigment or additive. It is suitable for use in aerospace & transportation technology, electronics, components & insulators, chemical & pharmaceutical manufacturing, food processing, environmental sciences, air sampling, fluid transfer devices and water processing Systems.

- PTFE resin suppliers include DuPont, 3M, Daikin, domestic top level brand with FDA approved.

- Anti-static (carbon) or colors versions of all tubing are available.

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Part Number	Hose Sizes	ID	Wall Thickness	OD	Working Pressure		Burst Pressure	
	MM	MM	MM	MM	BAR	PSI	BAR	PSI

Smooth Bore Tubing Metric Range

RSP PTFE02-02	2*4	2	4	1	10.2	148	30.6	444
RSP PTFE02-03	3*5	3	5	1	10.2	148	30.6	444
RSP PTFE02-04	4*6	4	6	1	10.2	148	30.6	444
RSP PTFE02-05	5*7	5	7	1	10.2	148	30.6	444
RSP PTFE02-06	6*8	6	8	1	10.2	148	30.6	444
RSP PTFE02-08	8*10	8	10	1	10.2	148	30.6	444
RSP PTFE02-10	10*12	10	12	1	8.16	118	25.5	370
RSP PTFE02-12	12*14	12	14	1	8.16	188	25.5	370
RSP PTFE02-14	14*16	14	16	1	8.16	118	25.5	370
RSP PTFE02-16	16*18	16	18	1	8.16	188	25.5	370
RSP PTFE02-20	20*24	20	24	2	5.1	74	20.4	296
RSP PTFE02-50	50*54	50	54	2	5.1	74	20.4	296

Smooth Bore Tubing Imperial Range

RSP PTFE03-02	1/16" * 1/8"	1.58	3.17	0.8	15	218	50	725
RSP PTFE03-03	1/8" * 3/16"	3.17	4.76	0.8	12	174	44	638
RSP PTFE03-05	3/16" * 1/4"	4.76	6.35	0.8	9	131	32	464
RSP PTFE03-06	1/4" * 5/16"	6.35	7.93	0.8	7	102	25	363
RSP PTFE03-06	1/4" * 3/8"	6.35	9.52	1.5	12	174	44	638
RSP PTFE03-08	5/16" * 3/8"	7.93	9.52	0.8	6	87	22	319
RSP PTFE03-10	3/8" * 1/2"	9.60	12.70	1.5	9	131	32	464
RSP PTFE03-12	1/2" * 5/8"	12.70	15.87	1.5	7	102	25	363
RSP PTFE03-16	5/8" * 3/4"	15.87	19.05	1.5	6	87	22	319

Convuluted Hose









- Convuluted hose comprises a convuluted PTFE tube liner and single or double stainless steel outer braid.
- It features excellent flexibility and kink resistance for superior performance in chemical transfer, high temperature hydraulics, and hose applications requiring tight routings, high temperature media transfer and general-purpose applications.
- The hose core is made from virgin 100% PTFE resin without any pigment or additive.
- The wire braiding is produced from AISI 304 or 316 stainless steel wire.
- Anti-static (carbon) version of all hoses are available, consult us for further information.

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Part Number	Hose Sizes	ID	Wall Thickness	OD	Working Pressure		Burst Pressure		Bend Radius
	INCH	MM	MM	MM	BAR	PSI	BAR	PSI	MM
RSP PTFE04-06	1/4"	6.5	0.8	11.5	133	1923	383	5546	20
RSP PTFE04-08	5/16"	8	0.65	12.3	133	1923	367	5324	25
RSP PTFE04-10	3/8"	10	0.65	14.2	128	1849	357	5177	33
RSP PTFE04-12	1/2"	13	0.85	17.2	112	1627	337	4881	42
RSP PTFE04-16	5/8"	16	0.9	21.6	82	1183	245	3550	50
RSP PTFE04-19	3/4"	19	1	25.3	71	1035	214	3106	63
RSP PTFE04-25	1"	25	1	31	51	740	153	2219	79
RSP PTFE04-32	1-1/4"	32	1.1	39	49	710	143	2071	125
RSP PTFE04-38	1-1/2"	38	1.45	45	44	636	122	1775	145
RSP PTFE04-50	2"	50	1.5	60	35	503	102	1479	180

Convoluting Tubing



- Convoluted tubing is very flexible and is ideal for applications where a tighter bend radius, increased pressure handling or crush resistance is needed.
- Convoluted tubing can be sourced with flares, flanges, cuffs, or a combination of more than one optimized tubing solution.
- PTFE resin suppliers include DuPont, 3M, Daikin, domestic top level brand with FDA approved.
- Anti-static (carbon) or colors versions of all tubing are available.

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Part Number	Hose Sizes	ID	OD	Working Pressure		Burst Pressure		Bend Radius
	INCH	MM	MM	BAR	PSI	BAR	PSI	MM
RSP PTFE05-06	1/4"	7	10.6	4	60	14	210	20
RSP PTFE05-10	3/8"	9.6	15	4	60	14	210	22
RSP PTFE05-12	1/2"	13	17.9	4	60	14	210	26
RSP PTFE05-16	5/8"	16	21.9	3	45	12	180	32
RSP PTFE05-19	3/4"	19	26.4	3	45	12	180	55
RSP PTFE05-25	1"	25	35	3	45	10	150	80
RSP PTFE05-38	1-1/2"	35.5	45	3	38	9	135	100
RSP PTFE05-50	2"	47.5	60	2	30	8	120	125

MHM Consortium Sdn.Bhd.

MHM Way

MHM is a professional hoses solution provider for global hydraulic and industrial fluid handling systems.

Utilizing its engineering resources, MHM develops different hoses categories for the worldwide market:

Hydraulic Hoses R1AT R2AT 1SN 2SN 1SC 2SC 1ST 2ST R3 R4 R5 R6 R7 R8 4SP 4SH R12 R13 R14 R15 R16 R17, Steam hose, Gasoline/Fuel hose, Pilot hose, Jetwasher hose.

Industrial Hoses Air/Water hose, Oil/Fuel hose, Water/Oil Suction & Discharge hose, Hot Water/Steam hose, Multipurpose hose, Tank Truck hose, Fuel/Diesel/Gasoline/Petroleum hose, Oxygen/Acetylene hose, Twin Welding hose, Propane/LPG hose, Sandblast hose, Cement hose, Plaster/Concrete hose, Slurry/Mud hose, Food hose, Chemical hose UHMWPE.

PTFE Hoses smooth and convoluted tube.

Hose Protector Spiral Hose Guard, Silicone Fiberglass Sleeve, Nylon Protective Sleeve.

Automotive Hoses Air Conditioning Hose SAE J2064, Power Steering Hose SAE J188, Air Brake hose SAE J1402, Hydraulic Brake hose SAE J1401, Fuel hose, Transmission Oil Cooler hose, Refrigerant Charging hose.

PVC Hoses Steel Wire Reinforced hose, Fiber Reinforced hose, Transparent hose, Food Grade hose, Garden hose, LAYFLAT hose, Helix Suction hose.

Hoses Accessories...

MHM also invests many resources on hoses management and services, aiming to provide long term and sustainable solutions for its customers.

MHM hoses have been serving more than 50 countries, with the best research team to explore the most optimized hose performance for different applications.

MHM brand is winning more and more recognition in many segments of the hoses solution industry.

MHM Mission & Vision

We are determined to make MHM a leading brand in the global hydraulic and industrial fluid handling systems.

To develop the MHM into an integrated hose solution supply and service platform offering comprehensive hose solutions to our customers.

MHM Value

•Quality - The key for our business sustainability •Integrity - The power of our business conduct •Commitment - The way to make our dream a reality •Togetherness - The spirit of growing together

MHM Strategy

•Market orientation •Brand image build up •Resources integration •IT reinforced operation

MHM R&D | Quality Assurance

Thanks to its strong engineering resources integration capacity, MHM provides customers most optimized hose solutions.

MHM attaches the greatest importance to the product quality.



THE GLOBAL LEADER FOR PTFE HOSES

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