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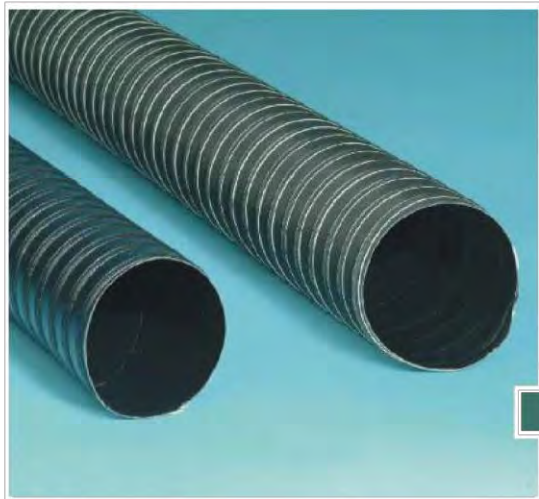
High Temperature Airflex



Granulate Drying Application

Temperature +150°C to 310°C Uni V2 (Neoprene coated glass fabric duct for hot air up to 150°C) and Uni V9 (silicone coated glass hot air ducting up to 310°C) in a plastic dehumidifier.
Inset: Air supply cupboard, NTC silicone ducting lasts minimum 10 years in this application





- 2-ply neoprene coated glass fibre fabric (M2)
 - 2-ply neoprene coated polyamide (M2P) very durable in high flex application
 - embedded bronze plated steel wire helix
 - outer twin glass cord (M2P black colour)
- light - kink and spark resistant
 - low air friction loss properties due to additional inner layer
 - good for applications with low pressure ranges

Option
blue colour



Insulated Ductings

All NTC Ducting & Hose products can be insulated with:

- high temperature foam (-50°C to +250°C)
- glass fibre felt (-88°C to +600°C)
- PU foam (-30°C to +130°C)

The foam versions are easier to cut and last longer. Additional to the insulation NTC can mount cuffs. The insulation is covered with a durable fabric sleeve and tightly

packed to safeguard against movements of insulation.

- Advantages:**
- reduce temperature loss
 - health and safety issues for operators not burning hands
 - reduce condensation
 - good sound efficiency



Wireflex



- 2-ply of canvas impregnated with NBR, SBR rubber
 - twin wire to give strength and excellent flexibility
 - diameter 25 to 305mm in 4m coils
- Options:**
single wire - lined - smooth bore, customer branding



Cuffs



Most NTC products can be supplied in cuffed version in fixed length. These cuffs are wire free to give tight seal and vulcanised to the

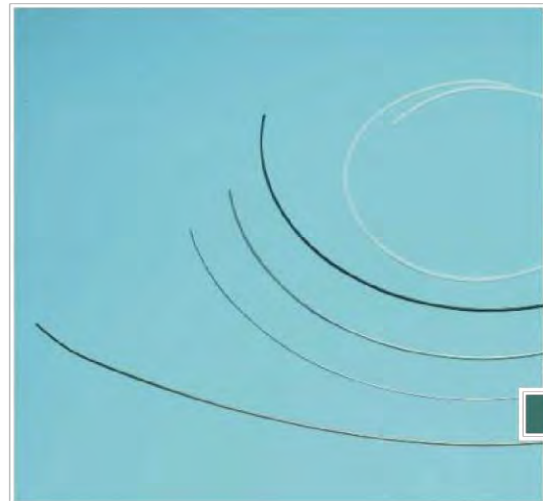
duct. Alternatively NTC supplies screw on cuffs that can be permanently mounted by customers to cut length of hose at customer site.



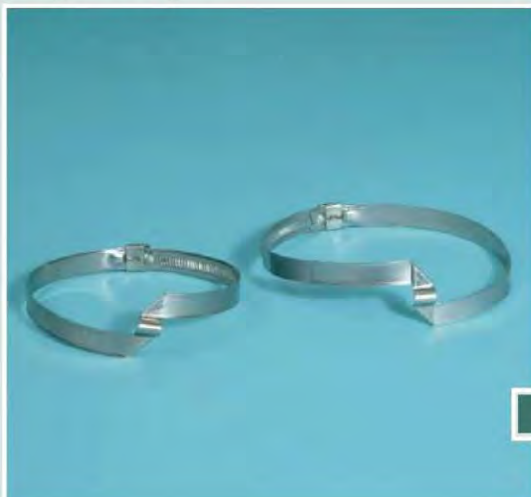
Wire option

Most products can be manufactured using the following wires

- hot dipped, galvanised, inexpensive and long lasting
- stainless steel non magnetic 302
- bronzed coated spring steel wire DIN17223 B
- polyamide wire for crush proof versions or non metallic



Bridge Clips



Bridge Clips for tight mounting without cuffs.

Different Bridge designs available.



Data Sheets Group 1

UNI V2 / V2P / V9

GROUP 1

diameter inside	diameter outside	weight	bendradius	pressure	vacuum	standartlength
Innendurchmesser	Außendurchmesser	Gewicht	Biegeradius	Druck	Vakuum	Standardlänge
mm	mm	g/m	mm	bar	mm WS/ mm WG	m
19	21.00	80	9	1.50	5300	4
22	24.00	85	11	1.50	5300	4
25	27.00	120	12	1.40	5300	4
32	34.00	130	16	1.40	5000	4
38	40.60	165	19	1.40	5000	4
41	43.60	177	21	1.30	4500	4
44	46.60	199	22	1.20	4400	4
51	53.60	250	25	1.20	4400	4
57	63.60	280	28	1.10	4000	4
63	65.60	300	31	1.10	4000	4
70	73.14	395	35	1.10	3500	4
76	79.14	410	38	1.00	3500	4
83	86.14	470	41	1.00	3000	4
89	92.14	495	44	0.90	2950	4
95	98.14	540	47	0.90	2700	4
102	105.14	570	51	0.90	2600	4
108	111.14	680	54	0.80	2300	4
114	117.14	730	57	0.80	2100	4
121	124.14	760	60	0.80	1900	4
127	130.14	805	63	0.80	1700	4
140	143.14	885	70	0.80	1500	4
152	155.60	1050	76	0.60	1400	4
160	163.90	1090	80	0.60	1200	4
178	182.10	1210	89	0.60	1000	4
203	207.10	1380	101	0.50	700	4
229	233.60	1490	114	0.40	600	4
254	258.60	1650	127	0.40	500	4
305	309.60	2000	152	0.10	300	4

Other diameters/ andere Durchmesser: 26, 28, 30, 40, 42, 45, 50, 52, 55, 58, 60, 62, 65, 67, 72, 80, 90, 91, 92, 100, 106, 110, 125, 130, 148, 150, 155, 156, 165, 180, 200, 210, 216
Other lengths spliced/ verbundene Längen: 5 - 60 coils/Längen

UNI M2 / M2P / M9 / M2 Viton

diameter inside	diameter outside	weight	bendradius	pressure	vacuum	standartlength
Innendurchmesser	Außendurchmesser	Gewicht	Biegeradius	Druck	Vakuum	Standardlänge
mm	mm	g/m	mm	bar	mm WS/ mm WG	m
19	21.60	105	19	2.50	7000	4
22	25.20	130	22	2.50	7000	4
25	28.20	145	25	2.50	7000	4
32	35.20	180	32	2.50	5800	4
38	41.20	210	38	2.40	5800	4
41	44.20	238	41	2.40	5800	4
44	47.20	255	44	2.40	5800	4
51	54.74	285	51	2.40	5300	4
57	60.74	330	57	2.30	5300	4
63	66.74	355	63	2.20	4600	4
70	73.74	435	70	2.20	4600	4
76	79.74	470	76	2.10	4400	4
83	86.74	510	83	2.10	4000	4
89	92.74	545	89	2.10	4000	4
95	98.74	570	95	2.00	4000	4
102	106.20	610	102	1.80	3500	4
108	112.20	735	108	1.80	3000	4
114	118.20	785	114	1.70	2800	4
121	125.70	815	121	1.60	2300	4
127	131.70	860	127	1.50	2100	4
140	144.70	945	140	1.40	1800	4
152	157.20	1100	152	1.10	1700	4
160	165.20	1146	160	0.90	1500	4
178	183.20	1275	178	0.80	1400	4
203	208.20	1390	203	0.60	1000	4
229	234.20	1605	229	0.50	800	4
254	259.20	1780	254	0.40	700	4
305	310.20	2170	305	0.20	500	4

Other diameters/ andere Durchmesser: 26, 28, 30, 40, 42, 45, 50, 52, 55, 58, 60, 62, 65, 67, 72, 80, 90, 91, 92, 100, 106, 110, 125, 130, 148, 150, 155, 156, 165, 180, 200, 210, 216
Other lengths spliced/ verbundene Längen: 5 - 60 coils/Längen

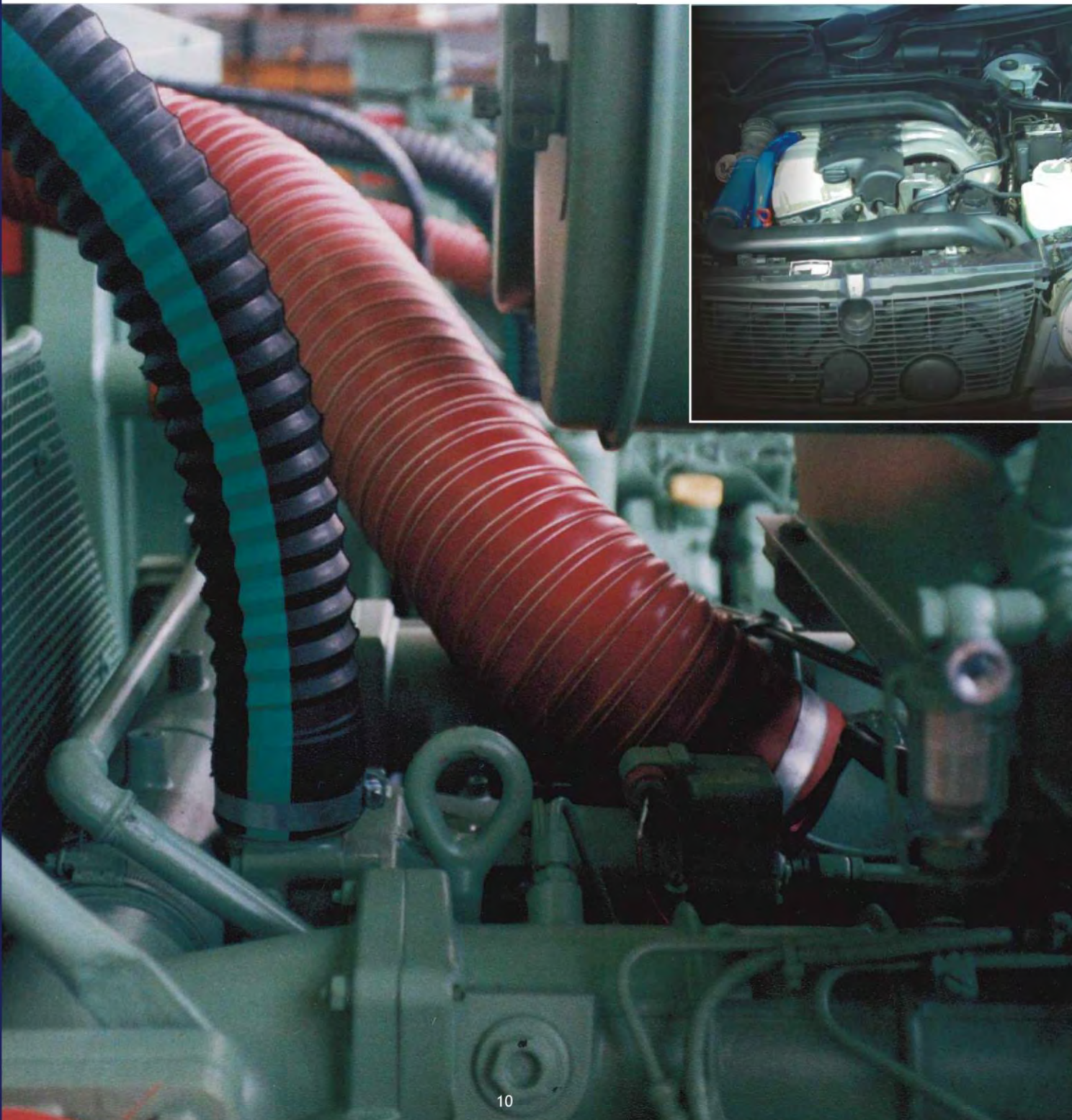
Silicone Radiator Hoses & Variforms



Intercooler Application

Uni **M9 LK** with special cuffs used in a diesel engine intercooler Applications. Advantage: No special aluminium cast tubing required.

Inset: Silicone intercooler hoses, outcast conventional rubber up to 10 times.



Silicone Radiator Hoses & Variforms



Temperature -80 °C to +300 °C

- Silicone Radiator hoses with multi layers of Polyester, Kevlar or glass fabric reinforced
- 90° - 45° degree bending
- FDA food Silicone hoses with fabric reinforcements and stainless steel wire
- Glass and Kevlar reinforced Turbo & Intercooler hoses up to 50 bars for burst pressure, diameter 90mm
- Special shapes to customer drawings including 3D shapes
- Fluro Silicone liners for effective oil barrier

Properties

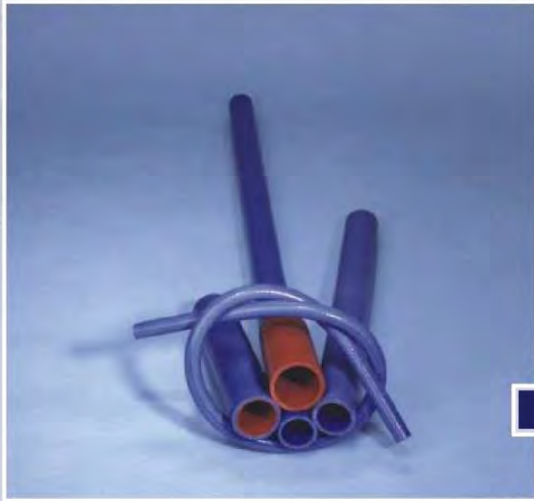
Excellent ageing properties, outlast black rubbers at least 5 times, thermal stable over years

Our experienced and adaptable production team is willing to take your challenging ideas and produce suitable solutions.



Silicone Hoses

-50 °C to +180 °C



- multi-ply silicone rubber reinforced with polyester
- smooth outer finish with liner of silicone rubber for zero leakage

- excellent ageing properties

Options:
up to +250 °C resistant, wide range of colours

- FR versions



LONG TERM HIGH TEMPERATURE STABLE



NON TOXIC FUMES



UV/OZONE RESISTANT



Silicone Hose with polyamide wire

- 3-ply polyester reinforced silicone with polyamide wire

- smooth cuffs



SMOOTH BORE



VERY FLEXIBLE

Silicone - Vac - Hose

-80 °C to +200 °C



- silicone polyester fabric
- ballistic kevlar fabric reinforcement for high pressure application up to 100 bars
- stainless steel wire reinforcement for vacuum application

- translucent colour

- not suitable for the transport of high pressure steam

Options:
other colours, wire free cuffs, twin wire, heatable versions



LONG TERM HIGH TEMPERATURE STABLE



NON TOXIC FUMES



SMOOTH BORE

Variforms



- special shapes in fabric reinforced Silicone
- 2 or 3 dimensional shapes

Options:
stainless steel spring for negative pressures, special labels

Shaped Silicone Hoses

- 3 and 4 ply silicone elbows
- 45° - 90° - 135° or to customer stated radius
- Large stock of tools

Optional:
2 diameter elbows
i.e 25-20
80-70



Intercooler Shaped Hoses



- intercooler hose -50 +180°
- 5 ply silicone polyester with 1.3mm silicone liner as non leakage barrier

- heat transfer labels on all products available

Data Sheets Group 2

SILICONE - VAC - HOSE

diameter inside	diameter outside	weight	bendradius	pressure	vacuum	standartlength
Innendurchmesser	Außendurchmesser	Gewicht	Biegeradius	Druck	Vakuum	Standardlänge
mm	mm	g/m	mm	bar	mm WS/ mm WG	m
6	19	0.32	75	18.6	55.8	4
8	20	0.42	100	16.9	50.7	4
10	21	0.52	130	15	46.2	4
13	26	0.75	165	14	42	4
16	29	0.78	170	13	39	4
18	31	0.84	180	12.8	38.4	4
20	33	0.88	185	12.6	38	4
22	35	0.92	195	12.4	37.8	4
25	38	0.99	205	12	36.2	4
28	41	1.05	220	11.6	35	4
32	45	1.1	250	10.8	32.4	4
35	48	1.25	275	10.2	30.6	4
38	50	1.33	290	9.8	29.6	4
40	53	1.4	300	9.6	29	4
45	58	1.56	355	9.2	28	4
48	61	1.66	375	9	27	4
51	64	1.86	400	8.6	26	4

Other diameters/ andere Durchmesser: 26, 28, 40, 42, 45, 50, 52, 55, 58, 60, 62, 65, 67, 72, 80, 90, 91, 92, 100, 106, 110, 125, 130, 148, 150, 155, 156, 165, 180, 200, 210, 216

Data Sheets Group 2

SILICONE HOSES

diameter inside	weight	Working pressure	Burst Pressure
Innendurchmesser	Gewicht	Betriebsdruck	Platzdruck
mm	kg/m	bar	bar
6.4	0.14	6.4	34
8	0.17	6.4	33
9.5	0.28	6.3	32
12.7	0.27	6	30
16	0.34	5.5	26
19	0.4	5	24.1
22	0.46	4.5	22.4
25	0.53	4.1	21.1
28	0.59	3.8	20.2
30	0.63	3.7	19.8
32	0.67	3.6	19.6
35	0.74	3.4	19
38	0.8	3.2	18
41	0.86	3.1	17.1
42	0.87	3	16.6
45	0.95	2.8	14.9
48	1.01	2.7	14.2
51	1.07	2.5	13.8
54	1.14	2.4	13.2
57	1.2	2.4	12.6
63	1.32	2.2	11
65	1.37	2.2	11
68	1.44	2.2	10.4
70	1.48	2.1	10
76	1.61	2	9.3
80	1.67	1.9	9
85	1.82	1.8	8.3
90	1.88	1.7	8

Other diameters/ andere Durchmesser: 26, 28, 40, 42, 45, 50, 52, 55, 58, 60, 62, 65, 67, 72, 80, 90, 91, 92, 100, 106, 110, 125, 130, 148, 150, 155, 156, 165, 180, 200, 210, 216, 305

Heating and Ventilation Ducting



Insulated Ducting

Below are Decontamination Units in London (small picture) and mobile air condition insulated ducting for military application.



Heating and Ventilation Ducting

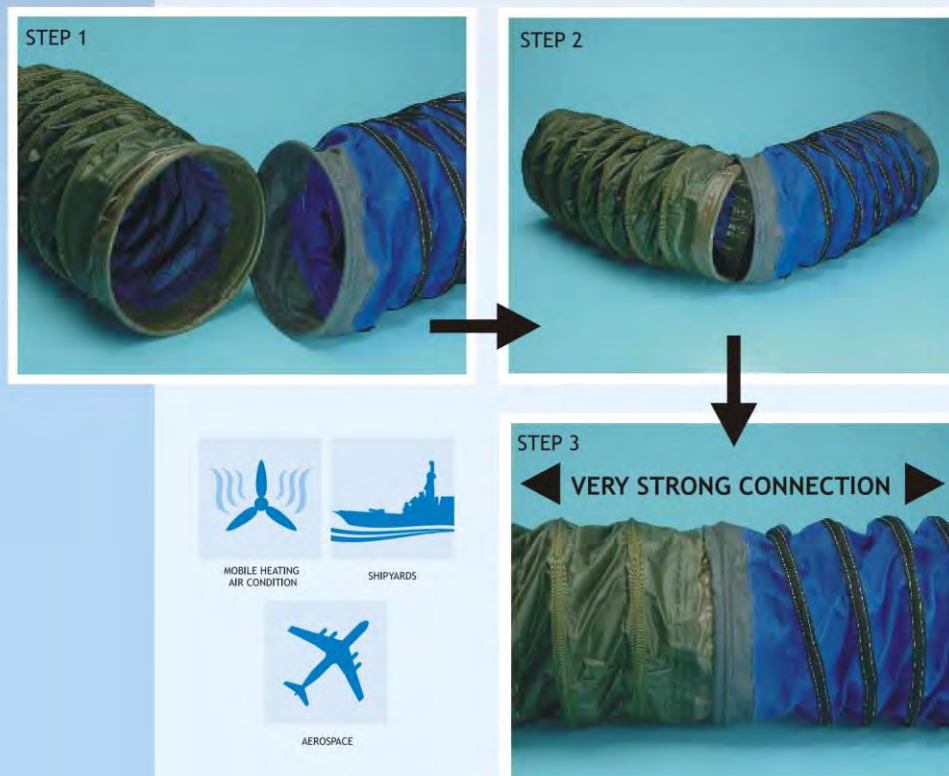


Temperature -80 °C to +320 °C

Wide range of ventilation ducting either economical PVC versions or Silicone impregnated Glass fabrics for high performance non toxic and fully fire-retardant requirements. All versions are also available with Foam or Glass wool insulation.

Applications:

- portable heating and air-condition units
- over head ducting ceiling mounted to distribute air
- conduction of hot air
- solvent fume extraction
- permanent antistatic version for explosive fume extraction



Pitch:

- wide pitch 150-250mm gives light weight, and compressibility
- close pitch 35-60mm gives strong duct with good vacuum and good crush resistant properties

All duct versions can be seamlessly joined onto one hose version that suits your specific needs. Special suspension tabs can be fitted or customer's fittings can be sewn onto the cuffs.

Our manufacturing department is eager to put your ideas into action.

Spiraflex PP 80 and PLSS Black

-20°C to +100°C



- PVC coated polyester fabric
- incorporated steel wire helix and external scuff-strip
- smooth seamless bore construction
- wire free cuffs at each end

- mining approval (PP80)
- antistatic 10⁶ OHMS (PP80)

Option
10⁶ OHMS antistatic PTFE liner



FIRE RETARDANT



VERY FLEXIBLE



ANTISTATIC



GOOD COMPRESSIBILITY



DRAG RESISTANT



-20°C to +100°C

Spiraflex PLS (strong) Spiraflex PL (light)

- PVC coated Nylon or Polyester fabrics
- incorporated steel wire helix and external scuff strip

- seamless sewn for optimal airflow
- supplied with wire free cuffs at each end



SMOOTH BORE



VERY FLEXIBLE



GOOD COMPRESSIBILITY

Spiraflex TR300/NTOPRENE/Hypalon



HYPALON

TR300

NTOPRENE

- TR 300** -80°C +300°C
- 1-ply Silicone coated fibre glass
 - incorporated steel wire helix and external scuff strip
 - axial sewn for low air friction loss
 - wire cuffs at each end

- NTOPRENE** -40°C +130°C
- 1-ply Neoprene fabric

- inexpensive, no odour, tear resistant

- Hypalon** -55°C +180°C
- 1-ply of Hypalon coated Polyester
 - good weather resistance
 - fire retardant to DIN 4102 BI and NFP 92501 M1



SMOOTH BORE



FIRE RETARDANT



VERY FLEXIBLE

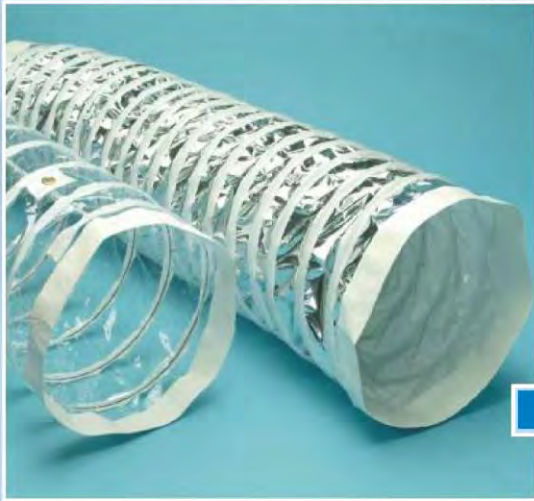


NON TOXIC FUMES ONLY TR300



GOOD COMPRESSIBILITY

Spiraflex Silver and Transparent



Spiraflex Transparent

- 100% clear virgin polyester film (-50°C to +180°C)
- inexpensive and durable product
- versatile as dog tunnel or for special event effects
- with close pitch suitable for asbestos decontamination

Spiraflex Silver

- aluminised polyester or PVC fabric
- mainly used for special events or fairs
- excellent application for sun reflective application good combination with insulated ducting



PLS 90°, “T” and “Y” pieces and PLS Reducer

- any Spiraflex ducting can be made to a 90 degree or T and Y version to optimise air-flow
- with spiral and or insulation materials or simple layflat versions
- can be also made with Velcro or zipper versions very useful

- with NTC coupling ring connection
- space saving as metal alternatives are very much space consuming
- reducers can be used to bridge different outlets



GOOD COMPRESSIBILITY



Spiraflex Camouflage

-30°C to +130°C



- printed fabric with a special TPE coating material give a good effect where discreetness is essential

- main application of army and dog tunnelling



DRAG RESISTANT

Spiraflex ISO GL Desert Sand and NATO Green

-50°C to +180°C



- special weather resistant and UV stabilised rubber coated fabrics filled with

Either:

- glass fibre insulation

- polyurethane foam 5-30mm

- versions meet DIN 4101B1 and NFP 92501 M1

- optional: NFP 92501 M0 F0 non toxic fumes

- air tight versions with non leakage external cover



MOBILE HEATING
AIR CONDITION



FIRE
RETARDANT



UV/OZONE
RESISTANT



SMOOTH
BORE

Spiraflex Injection Ducting and Layflat

A wide variety of layflat ducting for under ceiling air distribution application. The following fabric options:

1. Coated fabric with holes of mesh slots (fire retardant)
2. Non coated fabrics breathable with or without holes (fire retardant)
3. Machine washable very durable fabrics

Fabrics use includes:

Trevira CS DIN4102B1
NFP 92501 M0
FR PVC coated nylon
silicone coated glass meets DIN4102 B1
UL94V0 NFP 92501-M0 F0 (fabric does not give toxic fumes and is non burnable)

Connection systems:
Zipper and/ or hook and loop tape, connecting rings



Spiraflex End Finish



- steel rope or plastic endrings

- NTC coupling rings easy connection

- ring with hook and loop tape overlap double security

- 50mm, 100mm & 200mm cuffs

- zipper with hook and loop tape

NTC Material Shoot Duct



- Options:**
- hanging loops
 - rings at cuff

- antistatic PTFE liner
10⁸ OHMS



NTC Crush Proof Spiraflex

Most products can be made crush recoverable by using a polyamide wire



BAG-A-HOSE - Excellent for transport, good protection for duct



NTC Coupling Bands



- ducting with steel rope end rings can be well connected with the coupling band
- rubberised clamp with quick release lever

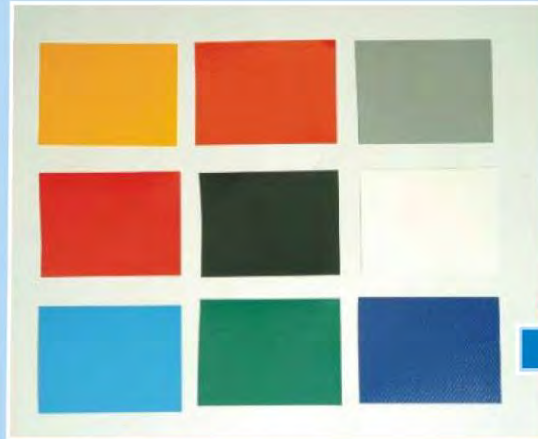
Test Plugs

Test plugs to ensure professional, precise fitting of duct to clients



Material Colour

Standard colours in PVC (may require minimum order)



Scuff strip colour for Spiraflex - You design your duct



Data Sheets Group 3

**SPIRAFLEX PP 80, PLS,
TR 300, HYPALON, PL**

GROUP 3

diameter inside	weight	pressure	vacuum
Innendurchmesser	Gewicht	Druck	Vakuum
mm	kg/m	bar	mm WS/ mm WG
152	1100	0.64	350
180	1160	0.6	350
203	1200	0.55	350
229	1280	0.5	320
254	1350	0.45	300
305	1440	0.35	280
357	1830	0.3	280
408	2050	0.25	280
425	2760	0.24	250
457	2970	0.23	250
508	3300	0.2	250
525	3940	0.19	250
560	4200	0.18	250
600	4500	0.17	200
700	5600	0.15	200
800	6800	0.13	100
900	8400	0.11	100
1000	10000	0.1	100

SPIRAFLEX PLSS BLACK

diameter inside	weight	pressure	vacuum
Innendurchmesser	Gewicht	Druck	Vakuum
mm	kg/m	bar	mm WS/ mm WG
152	1100	0.64	350
180	1160	0.6	350
203	1200	0.55	350
229	1280	0.5	320
254	1350	0.45	300
305	1440	0.35	280
357	1830	0.3	280
408	2050	0.25	280
425	2760	0.24	250
457	2970	0.23	250
508	3300	0.2	250
525	3940	0.19	250
560	4200	0.18	250
600	4500	0.17	200
700	5600	0.15	200
800	6800	0.13	100
900	8400	0.11	100
1000	10000	0.1	100

Exhaust Gas Extraction Hoses



GROUP 4

Garage Exhaust

TR500 likes high temperature at high vacuum



Exhaust Gas Extraction Hoses



Tank Service Bay

Combination Ducting 500° - 800° C Duct

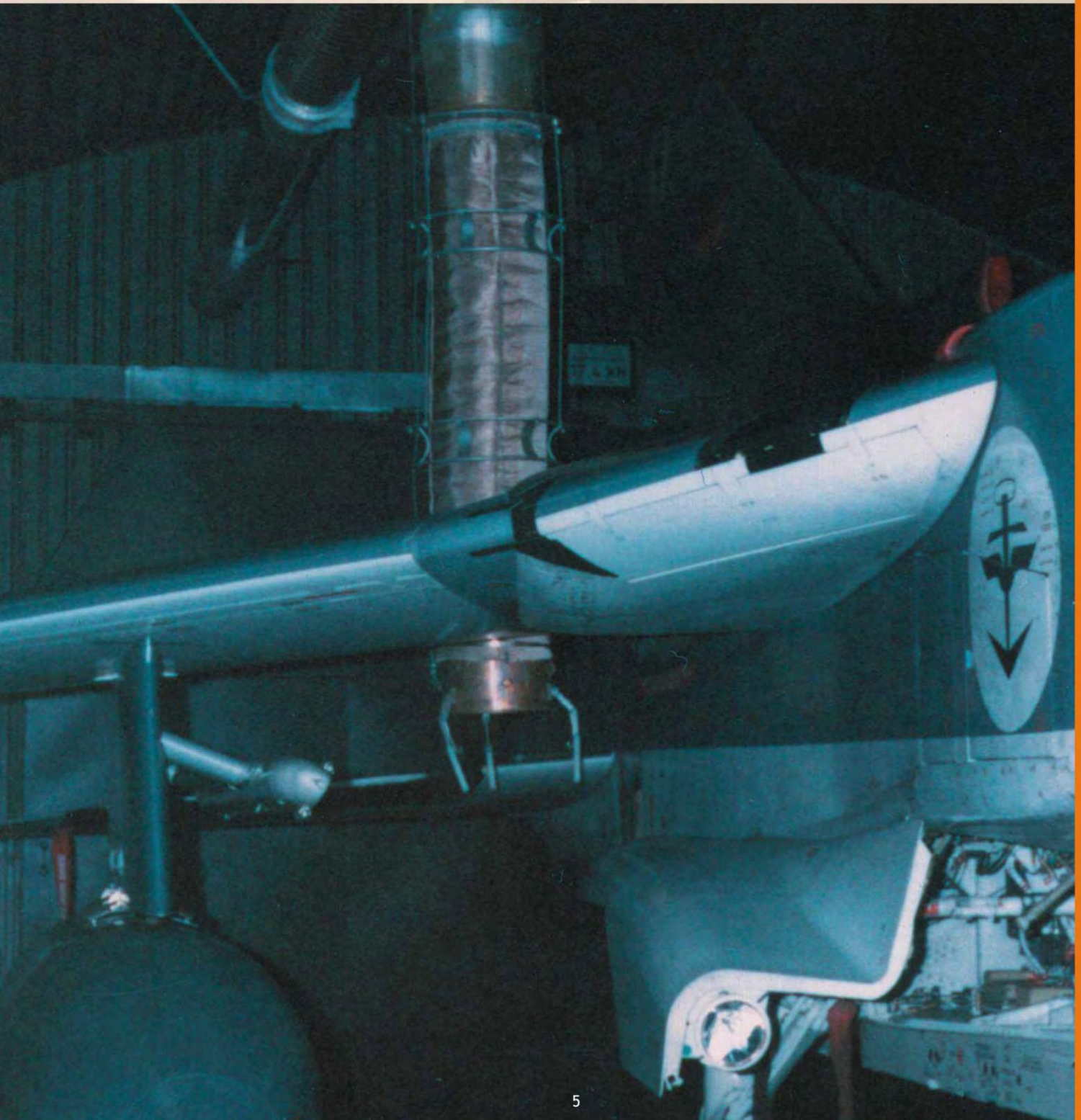


Exhaust Gas Extraction Hoses



Fighter Duct

Spiraflex TR1000 Applications to extract hot fumes from auxiliary power turbines. The duct is a flexible compensatory to join from plane to rigid extraction systems.



Exhaust Gas Extraction Hoses



Temperature from 150 °C to +800 °C

Wide ranges of low and high temperature exhaust system ducts
Applications:

- car gas exhaust systems incl. overhead-reels
- bus and truck exhaust gas extraction
- tank and airplane exhaust gas extraction

All SL and TR hoses can be specially adapted to suit your needs
for example:

SL 400 with 1m TR 600 seamlessly joint onto hose. Special
suspension tabs can be fitted or customer's fittings can be
sewn onto the cuffs for easy mounting.

Our manufacturing department is eager to put your ideas into
action.



EXHAUST
EXTRACTION



RAILROADS



SMOOTH
BORE



FIRE
RETARDANT

Spiraflex SL400

-50°C to +400°C



- 2-ply smooth and strong construction
- seamless construction for optimal airflow
- incorporated steel wire helix and external scuff strip
- axial sewn construction with high temperature resistant thread
- wire free cuffs at each end
- up to 40% better vacuum rating than clipped products
- good long-term gas tight properties

Options:

- end rings each side
- nylon helix (crush proof non-electric)
- suspension tabs and
- silicone free versions



LONG TERM HIGH TEMPERATURE STABLE



FIRE RETARDANT



-85°C to +500°C

Spiraflex TR 500/ SL 500

- 2-ply high temperature resistant special-fabric
- external steel wire helix
- sewn with scuff strip on to the wall
- smooth seamless inner surface - excellent airflow and vacuum rating
- narrow pitch allowing overhead roller
- helix-free cuffs on each end
- sewn with heat resistant yarn
- good long-term gas tight properties
- TR500 external kevlar skin for longer life

Options:
Silicone free



LONG TERM HIGH TEMPERATURE STABLE



VERY FLEXIBLE



SMOOTH BORE



FOR DAMP HUMID AIR



Spiraflex SL800

-80°C to +800°C



- 3-ply high temperature resistant special-fabric
- external steel wire helix
- sewn with scuff strip on to the wall
- smooth seamless inner surface - excellent airflow and vacuum rating
- narrow pitch allowing overhead roller
- helix-free cuffs on each end
- sewn with heat resistant yarn
- good long-term gas tight properties

Options:

Silicone free



LONG TERM HIGH TEMPERATURE STABLE



VERY FLEXIBLE



SMOOTH BORE

Abgas T

-40°C to +190°C (short term 220°C)



- reinforced EPDM rubber
- special crush proof (recoverable) polyester wire
- EPDM rubber coating
- fully vulcanised

- smooth bore even when bend 100% airflow
- 20m coils

Options:
Cuffs each side, welded on customer labels, steel Helix = Abgas T.S.



SMOOTH BORE



Scuff strip Exhaust gas

A wide choice of Kevlar, Kevlar Preox

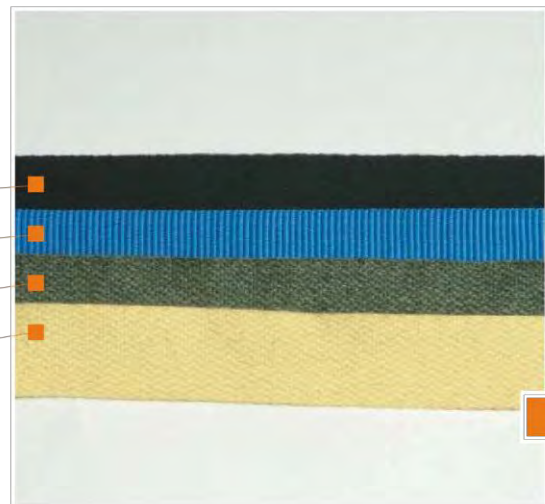
mix and cotton wear strips are available.

BLACK KEVLAR OR BLACK COTTON

KEVLAR BLUE

KEVLAR PREOX MIX

KEVLAR



Fabrics



To illustrate the colours of fabrics which are available for the NTC SL and TR range.

All fabrics are available in insulated versions.

Data Sheets Group 4



SPIRAFLEX SL 400

diameter inside	weight	bendradius	vaccum
Innendurchmesser	Gewicht	Biegeradius	Vakuum
mm	kg/m	mm	mm WS/ mm WG
100 / 102	0.98	125	1400
125 / 127	1.2	150	1000
150 / 152	1.4	200	750
200 / 203	1.92	250	400 / 350
254	2.4	300	350

SPIRAFLEX SL 500, SL 800, TR 500

diameter inside	weight	bendradius	vaccum
Innendurchmesser	Gewicht	Biegeradius	Vakuum
mm	kg/m	mm	mm WS/ mm WG
100 / 102	1.2	135	1600
125 / 127	1.4	175	1200
150 / 152	1.6	220	950
200 / 203	2.1	270	490
254	2.55	320	400

ABGAS T

diameter inside	weight	bendradius	vaccum
Innendurchmesser	Gewicht	Biegeradius	Vakuum
mm	kg/m	mm	mm WS/ mm WG
76	0.7	95	2400
102	0.94	110	1800
127	1.3	130	1200
152	1.45	140	500

Gripflex Range



-50°C to +230°C

Chemical Fume Gripflex



PTFE liners resistant to virtually all chemicals antistatic 10⁸ optional



ANTISTATIC



Hot Exhaust Gas Gripflex



Hot exhaust gas application gripflex 400°C - 500°C - 800°C optional cuffs for easy mounting



VERY FLEXIBLE



FIRE RETARDANT



EXHAUST EXTRACTION



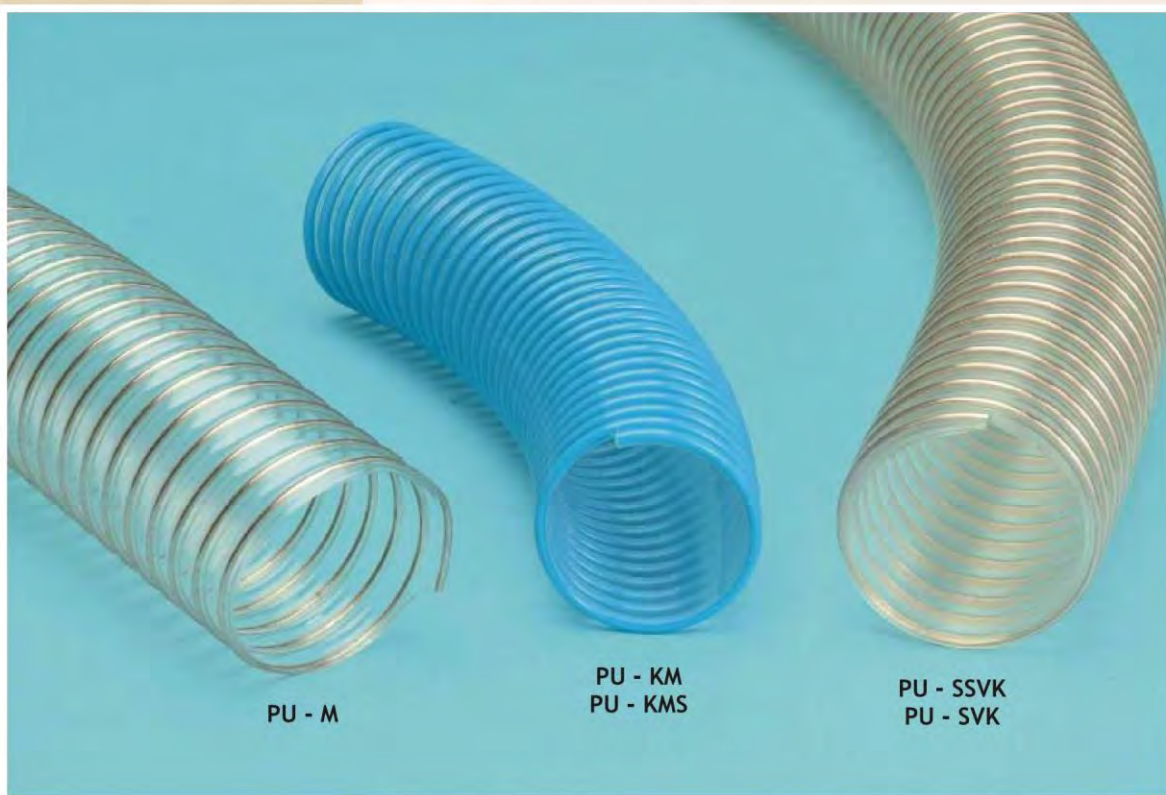
LONG TERM HIGH TEMPERATURE STABLE

Durable Polyurethane Hose & Ducting



A wide range of light or heavy duty products are suitable for handling abrasive materials. PU is 10 times more wear-resistant to PVC. Either Spring Steel wire or Plastic wire reinforced.

-40°C to +90°C



PU - M

PU - KM
PU - KMS

PU - SSVK
PU - SVK

- flexible polyurethane hoses (wall thickness: PU/SVK 1.4mm and PU/SSVK 2.1mm)
- transparent with incorporated bronzed steel wire helix
- extreme heavy-duty hoses for transport of extreme abrasive material
- suitable for high vacuum

Options:
Food-quality and
bacteriological resistance.
Conductive 10⁴ OHMS



SMOOTH
BORE



VERY
FLEXIBLE

Vacuum Cleaner Hoses



PE2000



Crush proof non wire EVA hose for vacuum cleaning

- diameters: 25,32,38,51 in 30m coils

Option:

Permanent antistatic with 10^8 OHMs

PVC Flex Superelastic



- very flexible and strong PVC with polyester yarn reinforced hose with a PVC coated wire
- does not stretch, very smooth bore
- good pressure and vacuum resistant
- diameters: 25,32,35,38,41,44,51,63 all 15m coils

Screw cuffs for easy mounting



VERY FLEXIBLE

Chemical Chart



Medium	HYP	PU	PVC	TEF	SIL	TPE	VIT	NEO
Acetaldehyde	C		-	+	C		+	-
Acetamine			-					
Acit general applies	+	C	C	+	+		+	-
Acetic (10%)		+	+		+	+		C
Acetic Acid (glacial)			-		C			-
Acetic Anhydride			-					+
Acetone	+	-	-	+	C	C	-	-
Air 50%	+	+	+	+	+	+	+	+
Air 100%	+	+	+	+	-	+	+	C
Air 150%	+	-	-	+	+	C	+	C
Air 200%	+	-	-	+	+	-	+	-
Air 300%					+			
Air 400%					C			
Alums			+	+		+		
Aluminium Acetale			+					
Aluminium Bromide			+					
Aluminium Chloride	+	+	+	+	+	+	+	+
Aluminium Fluoride	+		+	+	+		+	+
Aluminium Hydroxide		+	+	+	+		+	+
Aluminium Nitrate	+		+	+				
Aluminium Sulphate	+	+	+	+	+	+	+	+
Aluminium Anhydrus		-	C		+			+
Ammonia Gas		+	C		+	+		+
Ammonium Carbonate	+		+	+			+	
Ammonium Chloride	+	+	+	+	C	+	+	+
Ammonium Hydroxide		+	+		-			+
Ammonium Nitrite	+		+	+				
Ammonium Persulphate	+		+	+				
Ammonium Phosphate	+		+	+			+	
Ammonium Sulphate	+		+	+	+		+	+
Amyl Acetate	-			+			-	-
Amyl Alcohol	+	-	C	+	+		+	+
Amyl Borate	+		-	+			+	
Aniline	C	-	-	+	+	+	+	-
Animal Fats & Oils		C	C	+	C	+		C
Aqua Regia			-	+				
Arsenic Acid	+		+	+			+	
Asphalt	+			+			+	C
Barium Chloride	+		+	+			+	
Barium Hydroxide	+		+	+			+	
Barium Sulphate	+		+	+			+	
Barium Sulphide	+		+				+	+
Beer	+	+	+		+	+	+	+
Benzaldehyde	-	-	-		C		+	-
Benzene		-	-		-			-
Benzyl Alcohol	+	-	-		+		+	C
Benzyl Chloride	-		-				+	-
Bleach	+	+	+		+	+	+	
Borax	+		+		+	+	+	+
Bori Acid	+		+		+		+	+

Chemical Chart



Medium	HYP	PU	PVC	TEF	SIL	TPE	VIT	NEO
Bromine Gas		+	+		+	+		-
Butane Gas	+	+	+	+	+		+	C
Butyl Acetate	C	-	-	+	-		-	
Butyl Alcohol	+	C	-	+	C		+	+
Butyl Stearate			-	+			+	
Butyric Acid			-					-
Calcium Acetate	+		+	+			-	
Calcium Bisulphite	+		+	+			+	+
Calcium Chloride	+	+	+	+	+		+	+
Calcium Hydroxide	+		+	+			+	+
Calcium Hypochlorite	+		C	+			+	C
Calcium Nitrate	+		+	+			+	
Calcium Sulphide	+		+	+			+	
Carbon Dioxide		+	+	+	+	+		+
Carbon Disulphide		C	-	+				
Carbon Monoxide		+	+	+	+			+
Carbon Tetrachloride		C	-	+	-			-
Carbonic Acid			+	+				
Castor Oil			-	+	+			+
Caustic Soda	+	+		+			+	-
Cement			+	+	+			+
Chalk			+	+	+			+
Chlorinated Solvents		-	-	+	-			-
Chlorine Water (0,7%)			-	+	-	+		-
Chlorine Gas		+	-	+	+			-
Chloracetic Acid	-	-	-	+	-	-	-	-
Chloracetone			-	+				
Chlorobenzene		-	-	+	-			-
Chloroform		-	-	+	-		+	-
Chloronaphthalene			-	+				
Chlorsulphonic Acid			-	+				-
Chlorotoluene			-	+				
Chromic Acid		-	+	+				-
Citric Acid	+	+	+	+	+	-	+	+
Copper Chloride	+	+	+	+	+	+	+	+
Copper Cyanide	+	+	-	+	+	+	+	+
Copper Sulphate	+	+	-	+	+	+	+	+
Cottonseed Oil	+	+	C	+	+	+	+	+
Creosote Oil			-	+			+	-
Cresol			-	+			+	
Crude Oil		C	C	+	C	C	+	C
Cyclohexane		-	-	+	-	-		-
Cyclohexanol	+		-	+			+	
Decalin	-	C					+	
Dicetone Alcohol			-					+
Dibenzyl Ether			-				+	
Dibutyl Ether	-		-		-			
Dibutyl Phthalate			-					-
Dibutyl Sebacate			-		+			
Dichlorobenzene			-					
Diesel Oil	C	+	C		C	C	+	C
Diethyl Ether			-		-			-

Chemical Chart



Medium	HYP	PU	PVC	TEF	SIL	TPE	VIT	NEO
Diethyl Sebacate			-	+				-
Diethylene Glycol			+	+				
Diehexyl Phthalate			-	+				
Diisopropyl Ketone			-	+				
Diisononyl Adipate				+				
Dimethyl Acetamide		-	-	+				
Dimethyl Aniline			-	+				
Dimethyl Formamide		-	-	+	+			-
Dinonyl Adipate			-	+				
Dinonyl Phthalate			-	+	+			C
Dinonyl Sebacate			-	+				
Dioxane	-			+	-		-	-
Dipentene			-	+				
Diphenyl	-		-	+			+	
Disodium Phosphate			-	+				
Dowtherm A				+				C
Epichlorohydrin				+				
Ethanol	+	C	C	+	+	+	+	C
Ether	-	-	-	+	-	C	+	C
Ethyl Acetate		-	-	+	-	-	+	-
Ethylacetoacetate			-	+				
Ethyl Acrylate	-	-	-	+	-	-	-	C
Ethyl Alcohol		C	C	+	C	+		+
Ethyl Benzene			-	+				
Ethyl Chloride	-	-	-	+	-	-	+	-
Ethyl Ether				+				-
Ethyl Mercaptan			-	+				
Ethyl Oxalate			-	+				
Ethylene Chloride	-	-	-	+	-	C	+	-
Ethylene Dichloride			-	+	C			-
Ethylene Glycol		+	C	+	+	+		+
Ethylene Oxide			-	+				-
Ferric Chloride	+	+	+	+	+		+	+
Ferric Nitrate			+	+				
Ferric Sulphate	+		+	+	+		+	+
Fluid 101				+	+			-
Fluorobenzene			-	+				
Fluoreboric Acid			+	+				+
Fluosilic Acid				+				+
Formaldehyde (37%-40%)	+	C	-	+	+	+	+	C
Formic Acid		C	C	+		+		+
Freon 11			-	+				C
Freon 113			-	+				+
Freon 114			-	+				+
Freon 12		C	-	+				+
Freon 21			-	+				
Freon 22		C	-	+				+
Fuel (ASTM-A)		+	-	+				
Fuel (ASTM-B/C)	C	C	-	+			+	
Furfural	C		-	+			+	C
Gelatin	+		+	+			+	
Glu ose	+		+	+	+		+	+

Chemical Chart



Medium	HYP	PU	PVC	TEF	SIL	TPE	VIT	NEO
Mineral Oil		+	+	+	C		+	+
Monochlorobenzene			-	+	C		+	-
Monoethanolamine			-	+				
Naphtha	C		-	+	+		+	-
Naphthalene			-		-			-
Naphthalenic Acid			-					
Natural Gas	+		+	+	+		+	+
Nickel Acetate			+					
Nickel Chloride			+					+
Nickel Sulphate	+		+	+	+		+	+
Nitric Acid 10%		-	+		-			-
Nitric Acid 70%		-	-		-			-
Nitric Acid - red fuming		-	-		-			-
Nitrobenzene		-	-		+	+		-
Nitroethane			-					
Nitropropane	-		-	+			-	
Octyl Alcohol			-					
Oleic Acid			+		+			C
Oleum	-		-	+			+	-
Oils and Greases:								
Mineral Oils at 20 °C	C	+	C	+	C	+	+	C
Maximum Degrees °C	150	60	-	200	-	100	200	
ASTM Oil No 1 at 20 °C	+	+	C	+	C	+	+	+
ASTM Oil No 2 at 20 °C	+	+	C	+	C	+	+	+
ASTM Oil No 3 at 20 °C	+	+	C	+	C	+	+	-
Animal Types	+	+	+	+	C	+	+	C
Vegetable types	+	+	+	+	C	+	+	C
Diesel & Heating	C	+	C	+	C	+	+	-
Hydraulic-oils-basis:								
Mineral Oils	+	+	C	+	C		+	C
Glycol	+	+		+	+		C	+
Phosphatester	-	-	-	+	+		+	-
Oxalic Acid	+	+	+	+	+	+	+	+
Oxygen	+	+	+	+	+	+	+	+
Ozone	+	+	C	+	+	+	+	+
Plamitic Acid			+					C
Perchloric Acid	+		+	+			+	
Perchloroethylene	-	-	-	+	-	-	+	-
Petrol	C	+	-	+	-	C	+	-
Petroleum Ether		+		+				
Phenol	C	+	-	+	+		+	-
Phosphoric Acid	+	C	C	+	+		+	+
Pickling Acid			-	+				-
Picric Acid			-					
Pinene			-					
Potassium Chloride		+	+					+
Potassium Cyanide			+					+
Potassium Dichromate		+	+			+		+
Potassium Hydrox. 30%		+	+			+		+
Potassium Nitrate		+	+					
Potassium Permanganate		C	+		C			+
Potassium Sulphate			+					+

Chemical Chart



Medium	HYP	PU	PVC	TEF	SIL	TPE	VIT	NEO
Propane Gas	C	+	+	+	+		+	+
Propyl Acetate	-		-	+			-	
Propyl Alcohol	+		+	+	C		+	+
Propylene	-		-	+			+	
Propylene Oxide	-			+	C		-	-
Pyridine	C	-	-	+			C	-
Pyrrole			-					
Radioactive Rays								
Sea Water	+	C	+	+	+	+	+	+
Sebecate Oil					+			-
Silver Nitrate			+					
Soap Solutions			C					+
Sodium Bicarbonate			+	+				
Sodium Bisulphate			+	+				
Sodium Borate			+	+				
Sodium Carbonate			+	+	+			+
Sodium Carbonate 25%		+	+	+	+			+
Sodium Cyanide			+	+				
Sodium Dichromate				+				C
Sodium Hydroxide 10%		+	+	+	C	+		C
Sodium Hydroxide 60%			C	+	C	+		+
Sodium Hypochlorite		+	+	+	+	+		+
Sodium Metaphosphate			+	+				
Sodium Nitrate			+	+				
Sodium Perborate			+	+				
Sodium Peroxide			-	+				+
Sodium Phosphate			+	+				
Sodium Silicate			+	+	+			+
Sodium Sulphate			+	+				
Sodium Sulphite		+	+	+				
Sodium Thiosulphate			+	+				
Soybean Oil	+		-	+		+	+	+
Stannic Chloride			+	+				C
Stannous Chloride 15%				+				+
Stearic Acid			+	+				C
Styrene	-	-	-	+	-	-	+	-
Succinic Acid			+	+				
Sucrose Solutions			+	+				
Sulphur Chloride	+		-	+			+	
Sulphur Dioxide - dry		+	+		+			C
Sulphur Dioxide - gas			+	+	+			+
Sulphur Dioxide - liquid			C	+	+			+
Sulphur Trioxide				+				-
Sulphuric Acid 50%		+	+		+	+		+
Sulphuric Acid 70%			+		-			+
Sulphuric Acid 98%			-		-			-
Sulphuric Acid - fuming			-		-			-
Sulphurous Acid			-		-			-
Tannic Acid 10%			+					+
Tar	-		-				+	
Tartaric Acid			+					+
Tetra hloroethane			-					

Chemical Chart



Medium	HYP	PU	PVC	TEF	SIL	TPE	VIT	NEO
Tetrachloroethylene		-		+				
Tetrahydrofuran		-	-		-			-
Tetrahydronaphthalene			-					
Tetralin	-		-	+			+	
Tetraline					-			-
Thionyl Chloride			-					
Toluene		-	-	+	-		+	-
Triacetin			-					
Tributyl Phosphate	-		-	+			-	-
Trichloroethylene	-	-	-	+	-		+	-
Tricresyl Phosphate	-		-	+	+		+	C
Triethanol Amine			+	+				+
Triethylamine				+	-			
Trioctylphosphate			-	+				
Trisodium Phosphate				+				+
Tung Oil			-	+				+
Turpentine		+	C	+	-			-
Urea		+	+	+	+			+
Vinegar		+	+	+	+	+		+
Water		+	+	+	+	+		+
Whiskey			C	+				
Xylene	-	-	-	+	-	+	+	-
Zeolites			+	+				
Zinc Acetate	-		+	+			-	
Zinc Chloride	+		+	+			+	+
Zinc Sulphate	+		+				+	

HYP - Hypalon; PU - Polyurethane; PVC - Poly Vinyl Chlorene; TEF - (Teflon) PTFE;
 NEO - Neoprene (Chloroprene); TPE - Thermoplastic Elastomere; VIT - Viton; SIL - Silicone

- "+" suitable/geeignet
- "-" not suitable/ungeeignet
- "c" conditional suitable/bedingt geeignet
- " " on request/ auf Anfrage