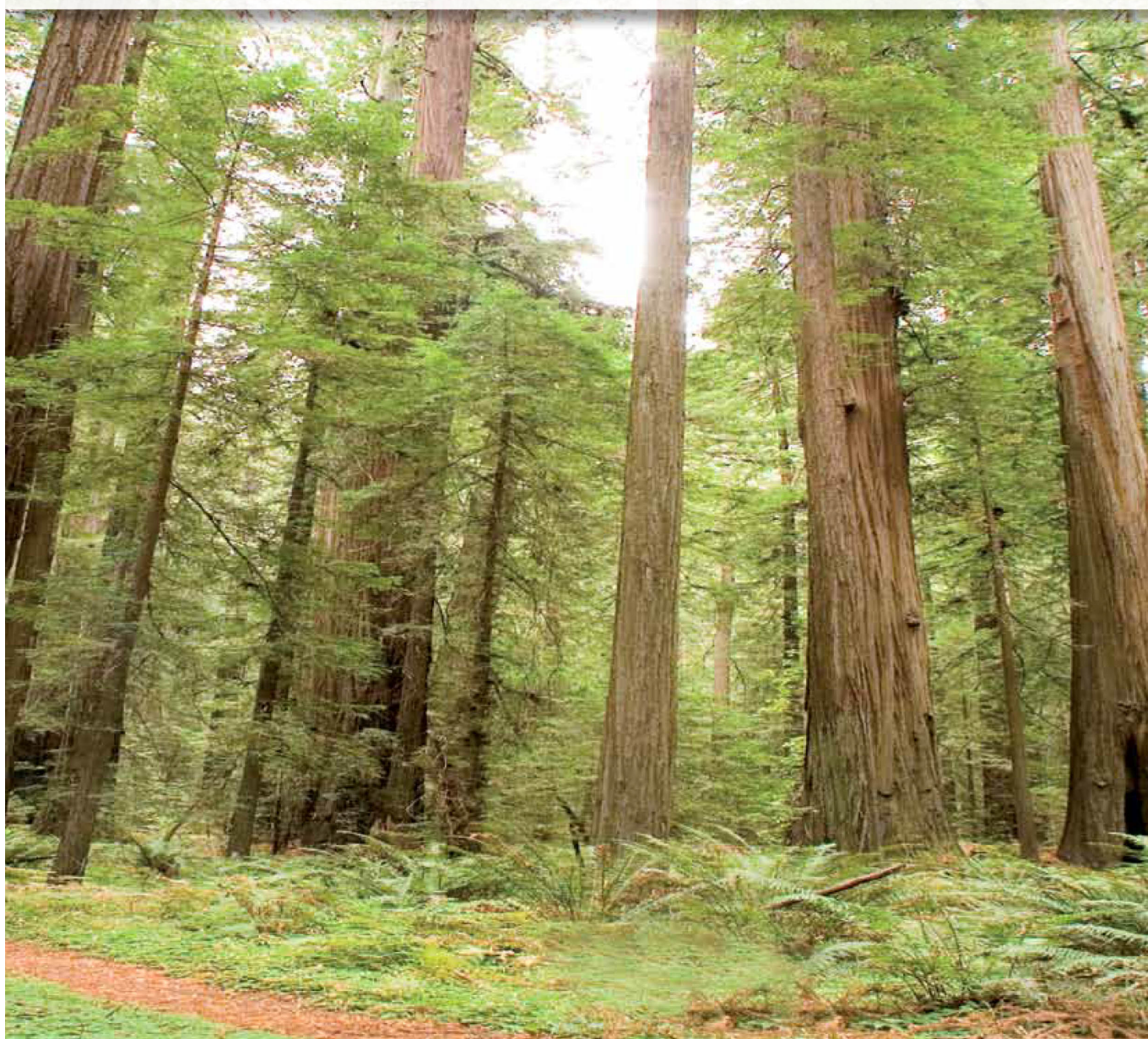




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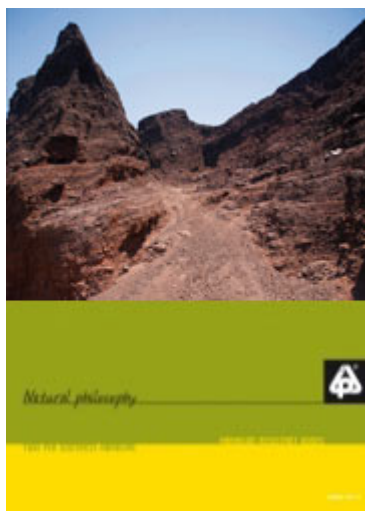
Natural philosophy



TUBI PER SOSTANZE ABRASIVE

ABRASION RESISTANT HOSES

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ABRASION NEXT 0.9 ETERE

Colour: translucent with TPU-coated INOX steel spiral

Temperature range: -40°C +90°C (+125°C short time)

Features: ether based polyurethane hose reinforced with a TPU-coated INOX steel spiral, to offer the best adhesion with the hose wall. Smooth inside to ensure optimization of flow properties. Resistant to microbes and Hydrolysis. Good resistance to mineral oils and chemicals, excellent resistance to ozone and weather. Suitable to deliver food stuffs in accordance with FDA Regulations (title 21 CFR 177.2600). Very flexible even at low temperatures. Halogen free and conform to RoHS regulations.

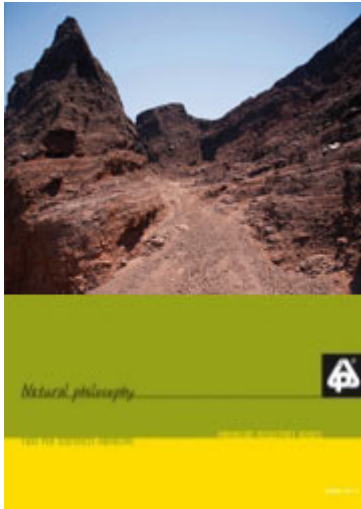
NEXT 09 is made by a special TPU that combines different properties which make the wall material **permanent antistatic**. The hose can be conductive according to TRB S 2153 by grounding the spiral.

APPLICATIONS:

suction and transport hose in the Food and Pharmaceutical Industry. For street cleaning vehicles, in the chemical industry, and for all applications where a special microbes resistance is required.

TECHNICAL DATA:

Part number	Ø int	Min Wall Thickness	Weight	Bending radius	Vacuum	Roll length	Volume
	[mm]	[mm]	[g/m]	[mm]	[m H2O]	[m]	[m^3]
N9 ET 038.0 000.0	38,1	0,90	315	40	2,5	20	0,099
N9 ET 040.0 000.0	40	0,90	330	40	2,5	20	0,103
N9 ET 045.0 000.0	45	0,90	350	45	2,5	20	0,119
N9 ET 052.0 000.0	50,8	0,90	395	50	2,0	20	0,139
N9 ET 060.0 000.0	60	0,90	510	70	1,5	20	0,170
N9 ET 063.0 000.0	63,5	0,90	540	70	1,5	20	0,186
N9 ET 065.0 000.0	65	0,90	550	75	1,5	20	0,190
N9 ET 076.0 000.0	76,2	0,90	750	90	1,5	20	0,241
N9 ET 080.0 000.0	80	0,90	750	95	1,5	20	0,252
N9 ET 090.0 000.0	90	0,90	840	105	1,0	20	0,304
N9 ET 100.0 000.0	100	0,90	895	135	1,0	20	0,545
N9 ET 102.0 000.0	102	0,90	910	135	1,0	20	0,555
N9 ET 110.0 000.0	110	0,90	980	145	1,0	20	0,614
N9 ET 120.0 000.0	120	0,90	1065	160	0,7	20	0,686
N9 ET 127.0 000.0	127	0,90	1125	210	0,7	20	0,745
N9 ET 140.0 000.0	140	0,90	1295	185	0,5	20	0,844
N9 ET 152.0 000.0	152,4	0,90	1405	230	0,5	20	0,942
N9 ET 160.0 000.0	160	0,90	1475	250	0,5	20	0,987
N9 ET 180.0 000.0	180	0,90	2175	270	0,3	20	1,177
N9 ET 203.0 000.0	203,2	0,90	2450	300	0,3	15	1,713



ABRASION VULCANO PU Z

Colour: transparent with zinc spiral

Temperature range: -40°C + 90°C / -40°F + 194°F

Features. ester based PU duct reinforced with a zinc covered steel spiral. Wall thickness from 0,35 to 0,50mm. Very flexible, and axially compressible (about 5:1) for easy handling and cost effective stocking and transporting. Resistant to abrasion, mineral oils, ageing, ozone and atmospherical agents. Halogen free, conform to RoHS, can be made antistatic in accordance with TRB S 2153 by grounding the spiral.

APPLICATIONS:

woodworking, dedusting, vapours, small industrial cleaning and suction plants. Can be used as protection sleeve. Suction of dry food according to EC Directives*.

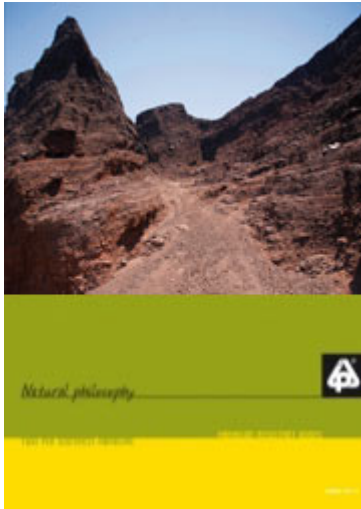
** Please contact our offices for more information.*

On request is available with coppered spiral, please consult sales office.

TECHNICAL DATA:

Part number	Inside Ø	Min. wall thickness	Weight	Vacuum	Bending radius	Roll length	Volume
	mm	mm	g/m	mH2O	mm	m	m³
VZ 01 050.0 000.0	50	0,35	225	0,40	20	20	0,119
VZ 01 051.0 000.0	51	0,35	230	0,40	26	20	0,006
VZ 01 060.0 000.0	60	0,35	270	0,40	30	20	0,009
VZ 01 063.0 000.0	63	0,35	285	0,40	32	20	0,009
VZ 01 065.0 000.0	65	0,35	295	0,40	33	20	0,010
VZ 01 070.0 000.0	70	0,35	360	0,40	35	20	0,011
VZ 01 076.0 000.0	76	0,35	390	0,40	38	20	0,013
VZ 01 080.0 000.0	80	0,35	410	0,40	40	20	0,014
VZ 01 090.0 000.0	90	0,35	450	0,40	45	20	0,018
VZ 01 100.0 000.0	100	0,40	510	0,30	50	15	0,024
VZ 01 102.0 000.0	102	0,40	520	0,30	51	15	0,025
VZ 01 110.0 000.0	110	0,40	560	0,30	55	15	0,029
VZ 01 120.0 000.0	120	0,40	610	0,25	60	15	0,034
VZ 01 127.0 000.0	127	0,40	640	0,25	64	15	0,038
VZ 01 130.0 000.0	130	0,40	660	0,20	65	15	0,040
VZ 01 140.0 000.0	140	0,40	710	0,20	70	15	0,046
VZ 01 150.0 000.0	150	0,40	760	0,20	75	15	0,052
VZ 01 152.0 000.0	152	0,40	770	0,20	76	15	0,054
VZ 01 160.0 000.0	160	0,45	880	0,15	80	15	0,067
VZ 01 180.0 000.0	180	0,45	990	0,15	90	15	0,083
VZ 01 200.0 000.0	200	0,45	1100	0,10	100	15	0,101
VZ 01 203.0 000.0	203	0,45	1120	0,10	102	15	0,104
VZ 01 220.0 000.0	220	0,45	1200	0,10	110	10	0,116
VZ 01 228.0 000.0	228	0,45	1250	0,10	114	10	0,129
VZ 01 250.0 000.0	250	0,50	1300	0,10	125	on request	
VZ 01 254.0 000.0	254	0,50	1320	0,10	127	on request	
VZ 01 300.0 000.0	300	0,50	1550	0,08	150	on request	
VZ 01 305.0 000.0	305	0,50	1580	0,08	153	on request	
VZ 01 350.0 000.0	350	0,50	1820	0,07	175	on request	
VZ 01 400.0 000.0	400	0,50	2070	0,06	200	on request	





ABRASION VULCANO PU ZR

Colour: transparent with coppered spiral

Temperature range: -40°C + 90°C / -40°F + 194°F

Features: ester based PU duct reinforced with a coppered steel spiral. Wall thickness from 0,35 to 0,50mm. Very flexible, and axially compressible (about 5:1) for easy handling and cost effective stocking and transporting. Resistant to abrasion, mineral oils, ageing, ozone and atmospherical agents. Halogen free, conform to RoHS, can be made antistatic in accordance with TRB S 2153 by grounding the spiral.

APPLICATIONS:

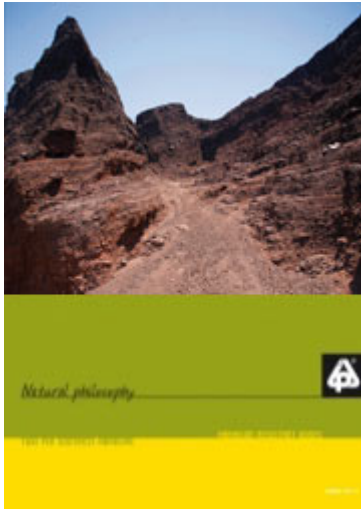
woodworking, dedusting, vapours, small industrial cleaning and suction plants. Can be used as protection sleeve. Suction of dry food according to EC Directives*.

**Please contact our offices for more information*

TECHNICAL DATA:

Part number	Inside Ø	Min. wall thickness	Weight	Vacuum	Bending radius	Roll length	Volume
	mm	mm	g/m	mH2O	mm	m	m³
ZR 01 050.0 000.0	50	0,35	195	0,40	25	20	0,119
ZR 01 060.0 000.0	60	0,35	240	0,40	30	20	0,139
ZR 01 063.0 000.0	63	0,35	250	0,40	32	20	0,152
ZR 01 070.0 000.0	70	0,35	360	0,40	35	20	0,184
ZR 01 076.0 000.0	76	0,35	390	0,40	38	20	0,235
ZR 01 080.0 000.0	80	0,35	410	0,40	40	20	0,256
ZR 01 090.0 000.0	90	0,35	450	0,40	45	20	0,297
ZR 01 100.0 000.0	100	0,40	510	0,30	50	15	0,286
ZR 01 102.0 000.0	102	0,40	520	0,30	51	15	0,291
ZR 01 110.0 000.0	110	0,40	560	0,30	55	15	0,323
ZR 01 120.0 000.0	120	0,40	610	0,25	60	15	0,374
ZR 01 127.0 000.0	127	0,40	640	0,25	64	15	0,408
ZR 01 130.0 000.0	130	0,40	660	0,20	65	15	0,437
ZR 01 140.0 000.0	140	0,40	710	0,20	70	15	0,514
ZR 01 150.0 000.0	150	0,40	760	0,20	75	15	0,548
ZR 01 152.0 000.0	152	0,40	770	0,20	76	15	0,554
ZR 01 160.0 000.0	160	0,45	880	0,15	80	15	0,606
ZR 01 180.0 000.0	180	0,45	990	0,15	90	15	0,760
ZR 01 200.0 000.0	200	0,45	1100	0,10	100	15	0,963
ZR 01 220.0 000.0	220	0,45	1200	0,10	110	10	1,035
ZR 01 250.0 000.0	250	0,50	1300	0,10	125	-	-
ZR 01 279.0 000.0	279	0,50	1450	0,08	140	-	-
ZR 01 300.0 000.0	300	0,50	1550	0,08	150	-	-
ZR 01 350.0 000.0	350	0,50	1820	0,07	175	-	-
ZR 01 400.0 000.0	400	0,50	2070	0,06	200	-	-





ABRASION VULCANO PU M FR

Colour: Clear PU with PU coated coppered steel spiral

Temperature range: -40°C + 90°C / -40°F + 194°F

Features: Ester base PU duct reinforced with PU coated high adhesion steel wire. Smooth inside to ensure optimization of flow properties.

Wall thickness from 0,4 to 0,75 mm. Maximum flexibility, high compressibility (about 5:1) and lightness make this duct an excellent choice for cost saving storage and transport and easy handling in operation. Resistant to abrasion, mineral oils, UV, ozone and ageing. Especially suitable for dynamic applications. The PU-coated spiral allows more bending sessions than a hose with a not coated steel spiral.

Halogen free and with row materials according to REACH, conform to RoHS regulations, can be made antistatic according to TRB S 2153 by grounding the spiral. It can be made in the microbes resistant version*.

APPLICATIONS:

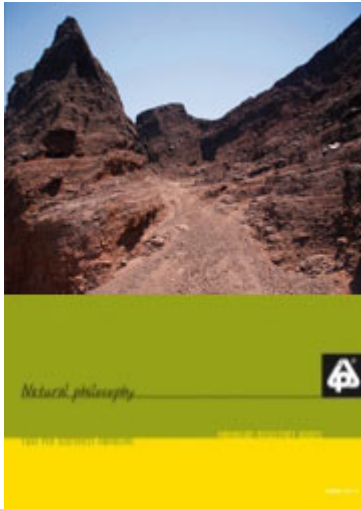
suction of pellets, granulates, abrasive powders and chemicals. In woodworking and ceramic industry and everywhere very high flexibility is required.

** Please consult sales offices for further information.*

TECHNICAL DATA:

Part number	Inside Ø	Min. wall thickness	Weight	Vacuum	Bending radius	Length*	Vol.x 10 mt.
	mm	mm	g/m	mH2O	mm	m	m³
VM FR 038.0 000.0	38	0,40	175	2,0	30	10	0,05
VM FR 040.0 000.0	40	0,40	185	2,0	32	10	0,005
VM FR 045.0 000.0	45	0,40	205	2,0	36	10	0,006
VM FR 051.0 000.0	51	0,40	230	2,0	40	10	0,007
VM FR 060.0 000.0	60	0,40	265	1,7	50	10	0,010
VM FR 063.0 000.0	63	0,40	275	1,7	55	10	0,011
VM FR 065.0 000.0	65	0,40	285	1,7	56	10	0,011
VM FR 070.0 000.0	70	0,43	375	1,7	60	10	0,013
VM FR 076.0 000.0	76	0,43	405	1,7	65	10	0,015
VM FR 080.0 000.0	80	0,43	420	1,6	65	10	0,016
VM FR 090.0 000.0	90	0,43	470	1,6	75	10	0,022
VM FR 102.0 000.0	102	0,53	530	1,3	85	10	0,028
VM FR 110.0 000.0	110	0,53	570	1,2	90	10	0,032
VM FR 120.0 000.0	120	0,53	620	1,0	100	10	0,037
VM FR 127.0 000.0	127	0,63	755	1,0	105	10	0,045
VM FR 130.0 000.0	130	0,63	770	0,8	105	10	0,047
VM FR 140.0 000.0	140	0,63	830	0,8	115	10	0,054
VM FR 152.0 000.0	152	0,63	890	0,8	125	10	0,063
VM FR 160.0 000.0	160	0,63	935	0,7	130	10	0,069
VM FR 180.0 000.0	180	0,63	1210	0,5	150	10	0,087
VM FR 200.0 000.0	200	0,63	1345	0,4	165	10	0,106
VM FR 203.0 000.0	203	0,63	1360	0,4	165	10	0,109
VM FR 228.0 000.0	228	0,63	1525	0,4	185	10	0,142
VM FR 254.0 000.0	254	0,65	1845	0,4	210	10	0,174
VM FR 305.0 000.0	305	0,65	2205	0,3	250	10	0,248
VM FR 356.0 000.0	356	0,65	2570	0,3	300	10	0,335
VM FR 406.0 000.0	406	0,75	3150	0,3	350	10	0,433
*Compressed lenghts							





ABRASION VULCANO PU R FR

Colour: Clear PU with PU coated coppered steel spiral

Temperature range: -40°C + 90°C / -40°F + 194°F

Features: Ester base PU duct reinforced with PU coated high adhesion steel wire. Smooth inside to ensure optimization of flow properties. With a wall thickness from 0,4 to 0,75 mm., It is light and flexible. Resistant to abrasion, mineral oils, weather conditions, ozone and ageing. Expecially suitable for dynamic applications. The PU-coated spiral allows more bending sessions than a hose with a not coated steel spiral. Halogen free and with raw materials according to REACH, conform to RoHS regulations, can be made antistatic according to TRB S 2153 by grounding the spiral. It can be made in the microbes resistant version*.

APPLICATIONS:

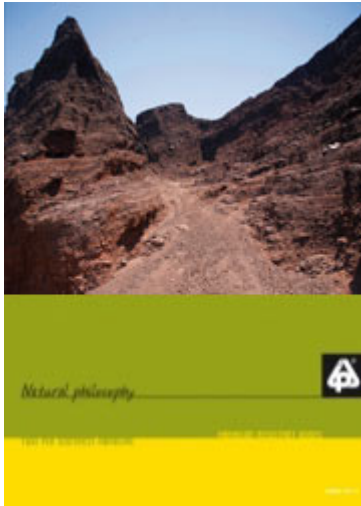
suction of pellets, granulates, abrasive powders and chemicals. In ceramic, suction plants, woodworking and plastic Industry. Suction of dry food according to EC Directives*.

** Please contact our offices for more information*

TECHNICAL DATA:

Part number	Inside Ø	Min. wall thickness	Weight	Vacuum	Bending radius	Roll length	volume
	mm	mm	g/m	mH2O	mm	m	m³
VR FR 025.0 000.0	25	0,40	140	2,0	30	20	0,054
VR FR 038.0 000.0	38	0,40	170	2,0	30	20	0,076
VR FR 040.0 000.0	40	0,40	180	2,0	32	20	0,079
VR FR 045.0 000.0	45	0,40	200	2,0	36	20	0,092
VR FR 051.0 000.0	51	0,40	220	2,0	40	20	0,108
VR FR 060.0 000.0	60	0,40	255	1,7	50	20	0,137
VR FR 063.0 000.0	63	0,40	270	1,7	55	20	0,143
VR FR 065.0 000.0	65	0,40	275	1,7	56	20	0,155
VR FR 070.0 000.0	70	0,43	370	1,7	60	20	0,175
VR FR 076.0 000.0	76	0,43	400	1,7	65	20	0,245
VR FR 080.0 000.0	80	0,43	420	1,6	65	20	0,256
VR FR 090.0 000.0	90	0,43	470	1,6	75	20	0,303
VR FR 102.0 000.0	102	0,53	530	1,3	85	15	0,289
VR FR 110.0 000.0	110	0,53	570	1,2	90	15	0,320
VR FR 120.0 000.0	120	0,53	615	1,0	100	15	0,372
VR FR 127.0 000.0	127	0,63	750	1,0	105	15	0,405
VR FR 130.0 000.0	130	0,63	770	0,8	105	15	0,414
VR FR 140.0 000.0	140	0,63	840	0,8	115	15	0,504
VR FR 152.0 000.0	152	0,63	890	0,8	125	15	0,544
VR FR 160.0 000.0	160	0,63	935	0,7	130	15	0,662
VR FR 180.0 000.0	180	0,63	1250	0,5	150	15	0,855
VR FR 203.0 000.0	203	0,63	1405	0,4	165	15	1,130
VR FR 228.0 000.0	228	0,63	1570	0,4	185	10	0,933
VR FR 254.0 000.0	254	0,65	1900	0,4	210	10	1,711
VR FR 279.0 000.0	279	0,65	2085	0,4	230	10	1,480
VR FR 305.0 000.0	305	0,65	2275	0,3	250	10	1,613
VR FR 315.0 000.0	315	0,65	2350	0,3	275	10	1,664
VR FR 356.0 000.0	356	0,65	2650	0,3	300	-	-
VR FR 406.0 000.0	406	0,75	3150	0,3	350	-	-





ABRASION EOLO PU FOOD

Colour: transparent with ivory spiral.

Temperature range: -40°C+80°C -40°F + 176°F

Features: ether based PU wall , food grade, with antishock rigid PVC spiral. Smooth inside, corrugated outside. Light, extremely resistant to abrasion and flexion, this hose features high mechanical properties. Resistant to many chemicals.

Foodgrade according to FDA Reg. CFR 21 -Item 177.2600 (acquous and fatty food) and to EU Regulation 10/2011, (classes A,B,C,D2- for further details see the Information Sheet).

Food grade Spiral

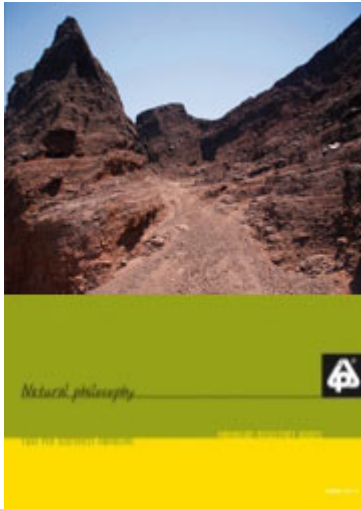
APPLICATIONS:

light suction of food

TECHNICAL DATA:

Part Number	Inside Ø	Min. Wall Thickness	Max. Wall Thickness	Weight	Vacuum	Bending	Roll Length	Volume
	mm	mm	mm	g/m	m H2O	mm	m	m³
EU 01 020.0 000.0	20	0,4	2,5	110	2,5	25	20	0,028
EU 01 025.0 000.0	25	0,4	2,6	150	2,5	30	20	0,035
EU 01 030.0 000.0	30	0,4	2,6	160	2,5	35	20	0,049
EU 01 032.0 000.0	31,8	0,4	2,6	180	2	35	20	0,051
EU 01 035.0 000.0	35	0,5	2,7	200	2	45	20	0,059
EU 01 038.0 000.0	38,1	0,5	2,8	220	2	50	20	0,068
EU 01 040.0 000.0	40	0,5	2,8	230	2	60	20	0,071
EU 01 045.0 000.0	45	0,5	2,9	270	2	65	20	0,083
EU 01 052.0 000.0	50,8	0,5	3,2	320	2	70	20	0,104
EU 01 055.0 000.0	55	0,5	3,4	400	2	75	20	0,119
EU 01 060.0 000.00	60	0,5	3,6	470	1,6	80	20	0,170
EU 01 063.0 000.0	63,5	0,5	3,6	510	1,6	80	20	0,180
EU 01 065.0 000.0	65	0,5	3,6	520	1,6	90	20	0,191
EU 01 070.0 000.0	70	0,6	3,9	560	1,6	95	30	0,293
EU 01 076.0 000.0	76,2	0,6	3,9	600	1,6	100	30	0,328
EU 01 080.0 000.0	80	0,6	4,2	650	1,6	110	30	0,357
EU 01 090.0 000.0	90	0,6	4,3	750	1,4	125	30	0,547
EU 01 100.0 000.0	100	0,6	4,4	820	1,3	140	30	0,640
EU 01 102.0 000.0	102	0,6	4,4	830	1,3	140	30	0,652
EU 01 110.0 000.0	110	0,6	4,7	950	1,2	150	30	0,743
EU 01 120.0 000.0	120	0,6	5,0	1100	1	160	30	0,831
EU 01 127.0 000.0	127	0,6	5,0	1150	1	170	30	0,900
EU 01 130.0 000.0	130	0,7	5,3	1300	0,9	170	20	0,780
EU 01 140.0 000.0	140	0,7	5,3	1430	0,9	180	20	0,860
EU 01 150.0 000.0	151,5	0,7	5,3	1500	0,8	200	20	0,953
EU 01 160.0 000.0	160	0,7	6,7	1940	0,7	220	20	1,049
EU 01 180.0 000.0	180	0,7	6,7	2140	0,4	250	20	1,236
EU 01 200.0 000.0	200	0,7	6,7	2300	0,4	260	20	1,440
EU 01 250.0 000.0	250	0,8	7,5	3400	0,4	300	10	0,952
EU 01 300.0 000.0	300	0,8	7,7	4100	0,3	350	10	1,419





ABRASION EOLO PU EST

Colour: clear with dark grey spiral.

Temperature range: -40°C + 80°C / -40°F + 176°F.

Features: spiral hose with an ester based polyurethane, reinforced with an anti-shock rigid vinyl spiral. Seamless tube to maximise optimal flow. Resistant to chemicals, UV, ozone and atmospheric agents.

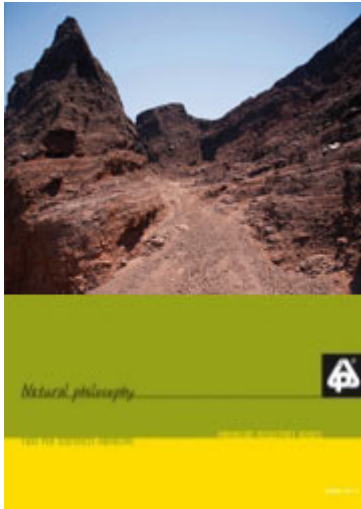
APPLICATIONS:

Suction and transportation of abrasive media such as powders, pellets, granulates, fibres, can be used for dedusting and industrial cleanings. On request can be manufactured with copper spiral for earthing to protect against static dissipation.

TECHNICAL DATA:

Part number	Inside Ø	Min. wall thickness	Max. wall thickness	Weight	Vacuum	Bending radius	Roll length	Volume
	mm	mm	mm	g/m	mH2O	mm	m	m³
OU 01 020.0 000.0	20	0,4	2,6	115	2,5	25	20	0,028
OU 01 025.0 000.0	25	0,4	2,6	150	2,5	30	20	0,035
OU 01 030.0 000.0	30	0,4	2,6	165	2,5	35	20	0,049
OU 01 032.0 000.0	31,8	0,4	2,6	180	2	35	20	0,051
OU 01 035.0 000.0	35	0,4	2,7	200	2	45	20	0,059
OU 01 038.0 000.0	38,1	0,4	2,8	225	2	50	20	0,068
OU 01 040.0 000.0	40	0,4	2,8	235	2	60	20	0,071
OU 01 045.0 000.0	45	0,4	2,9	275	2	65	20	0,083
OU 01 052.0 000.0	50,8	0,5	3,2	325	2	70	20	0,104
OU 01 055.0 000.0	55	0,5	3,4	410	2	75	20	0,119
OU 01 060.0 000.0	60	0,5	3,6	480	1,6	80	20	0,170
OU 01 063.0 000.0	63,5	0,5	3,6	520	1,6	80	20	0,180
OU 01 065.0 000.0	65	0,5	3,6	530	1,6	90	20	0,191
OU 01 070.0 000.0	70	0,5	4,0	575	1,6	95	30	0,293
OU 01 076.0 000.0	76,2	0,5	4,0	615	1,6	100	30	0,328
OU 01 080.0 000.0	80	0,5	4,4	720	1,6	110	30	0,359
OU 01 090.0 000.0	90	0,5	4,4	795	1,4	125	30	0,548
OU 01 100.0 000.0	100	0,6	4,4	835	1,3	140	30	0,640
OU 01 102.0 000.0	102	0,6	4,4	845	1,3	140	30	0,652
OU 01 110.0 000.0	110	0,6	4,7	970	1,2	150	30	0,743
OU 01 120.0 000.0	120	0,6	5,0	1120	1	160	30	0,831
OU 01 127.0 000.0	127	0,6	5,0	1170	1	170	30	0,900
OU 01 130.0 000.0	130	0,6	5,3	1320	0,9	170	20	0,780
OU 01 140.0 000.0	140	0,6	5,3	1450	0,9	180	20	0,860
OU 01 150.0 000.0	151,5	0,6	5,6	1650	0,8	200	20	0,957
OU 01 152.0 000.0	152,8	0,6	5,6	1670	0,8	200	20	0,964
OU 01 160.0 000.0	160	0,7	6,7	1970	0,7	220	20	1,049
OU 01 180.0 000.0	180	0,7	6,7	2170	0,4	250	20	1,236
OU 01 200.0 000.0	200	0,7	6,7	2340	0,4	260	20	1,440
OU 01 203.0 000.0	203	0,7	6,7	2360	0,4	260	20	1,460
OU 01 250.0 000.0	250	0,8	7,5	3450	0,4	300	10	0,952
OU 01 300.0 000.0	300	0,8	7,7	4150	0,3	350	10	1,419





ABRASION

EOLO PUP FOOD

Colour: transparent with ivory spiral.

Temperature range: -40°C+80°C -40°F + 176°F

Features: ether based PU wall ,food grade, with antishock rigid PVC spiral. Smooth inside, corrugated outside. Light, flexible, extremely resistant to abrasion and flexion, this hose features high mechanical properties. Resistant to many chemicals. Food grade according to FDA REg. cfr 21-Item 177.2600 (aqueous and fatty food) and to the EU Regulation 10/2011, classes A,B,C,D2 (for further details see the Information Sheet).

Food grade spiral

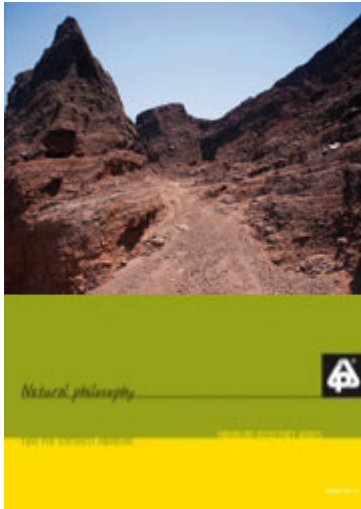
APPLICATIONS:

medium suction of dry food such as grains, animal feed, sugar, flour.

TECHNICAL DATA:

Part number	Inside Ø	Min. wall thickness	Max. wall thickness	Weight	Vacuum	Bending radius	Roll length	Volume
	mm	mm	mm	g/m	mH2O	mm	m	m³
EP 01 030.0 000.0	30	0,8	3,0	250	3,5	100	30	0,083
EP 01 035.0 000.0	35	0,8	3,3	290	3	120	30	0,101
EP 01 038.0 000.0	38,1	0,8	3,3	310	3	130	30	0,114
EP 01 040.0 000.0	40	1,0	3,6	350	3	140	30	0,133
EP 01 045.0 000.0	45	1,0	4,0	440	3	160	30	0,150
EP 01 052.0 000.0	50,8	1,0	4,5	550	3	175	30	0,201
EP 01 060.0 000.0	60	1,0	4,5	640	3	200	30	0,241
EP 01 063.0 000.0	63,5	1,0	4,5	670	3	230	30	0,293
EP 01 070.0 000.0	70	1,0	4,5	750	3	250	30	0,364
EP 01 076.0 000.0	76,2	1,0	4,5	780	2,5	270	30	0,432
EP 01 080.0 000.0	80	1,0	5,0	900	2,5	290	30	0,485
EP 01 090.0 000.0	90	1,0	5,2	1050	2,5	360	30	0,573
EP 01 100.0 000.0	100	1,0	5,7	1250	2,5	400	30	0,713
EP 01 102.0 000.0	102	1,0	5,7	1270	2,5	400	30	0,725
EP 01 120.0 000.0	120	1,0	5,9	1500	2,5	470	30	0,962
EP 01 127.0 000.0	127	1,0	5,9	1600	2,5	500	30	1,120
EP 01 130.0 000.0	130	1,0	5,9	1650	2,5	520	30	1,145
EP 01 140.0 000.0	140	1,0	6,0	1800	2	570	30	1,646
EP 01 150.0 000.0	151,5	1,0	6,4	2000	2	600	20	1,262
EP 01 203.0 000.0	203,2	1,2	8,9	2900	1	400	20	1,768
EP 01 254.0 000.0	254	1,2	8,9	3600	1	500	10	2,175
EP 01 305.0 000.0	304,8	1,2	8,9	4300	0,8	610	10	2,581





ABRASION EOLO PUP EST

Colour: transparent with dark grey spiral.

Temperature range: -40°C +80°C / -40°F+176°F

Features: spiral hoses with an ester based polyurethane, reinforced with an anti-shock rigid vinyl spiral. Specifically compounded for abrasive media, keeps high flexibility even at low temperature. Seamless tube to maximise optimal flow. Resistant to chemicals, UV, ozone and atmospherical agents.

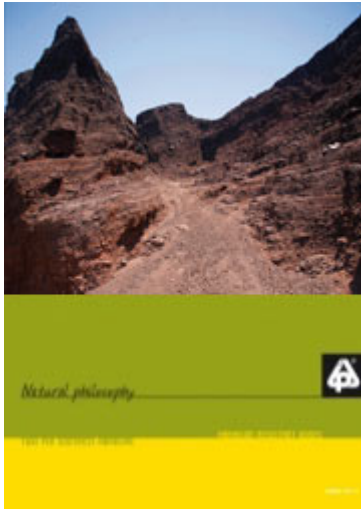
APPLICATIONS:

Suction and transportation of abrasive media such as pellets and granulates. Finds optimal application in the plastic and ceramic Industry. Can be used in woodworking under severe conditions. On request can be manufactured with copper spiral for earthing to protect against static dissipation.

TECHNICAL DATA:

Part number	Inside Ø	Min. wall thickness	Max. wall thickness	Weight	Vacuum	Bending radius	Roll length	Volume
	mm	mm	mm	g/m	mH2O	mm	m	m³
OP 01 038.0 000.0	38,1	0,8	3,3	320	3	130	30	0,114
OP 01 040.0 000.0	40	0,9	3,6	360	3	140	30	0,133
OP 01 045.0 000.0	45	0,9	4,0	455	3	160	30	0,150
OP 01 052.0 000.0	50,8	0,9	4,5	555	3	175	30	0,201
OP 01 060.0 000.0	60	1,0	4,5	660	3	200	30	0,241
OP 01 063.0 000.0	63,5	1,0	4,5	690	3	230	30	0,293
OP 01 065.0 000.0	65	1,0	4,5	705	3	230	30	0,299
OP 01 070.0 000.0	70	1,0	4,5	775	3	250	30	0,364
OP 01 076.0 000.0	76,2	1,0	4,5	800	2,5	270	30	0,432
OP 01 080.0 000.0	80	1,0	5,0	920	2,5	290	30	0,485
OP 01 090.0 000.0	90	1,0	5,2	1080	2,5	360	30	0,573
OP 01 100.0 000.0	100	1,0	5,7	1290	2,5	400	30	0,713
OP 01 102.0 000.0	102	1,0	5,7	1310	2,5	400	30	0,725
OP 01 110.0 000.0	110	1,0	5,8	1440	2,5	440	30	0,842
OP 01 120.0 000.0	120	1,0	5,9	1545	2,5	470	30	0,962
OP 01 127.0 000.0	127	1,0	5,9	1650	2,5	500	30	1,120
OP 01 130.0 000.0	130	1,0	5,9	1700	2,5	520	30	1,145
OP 01 140.0 000.0	140	1,0	6,0	1855	2	570	30	1,646
OP 01 150.0 000.0	151,5	1,0	6,4	2060	2	600	20	1,262





ABRASION VULCANO PU S1

Colour: transparent with coppered spiral

Temperature range: -40°C + 90°C / -40°F + 194°F

Ester based PU duct reinforced with a coppered steel spiral.

Constant wall thickness 0,4 mm for all the diameters.

Very sturdy, flexible, and axially compressible (about 5:1) for easy handling and cost effective stocking and transporting. Resistant to abrasion, mineral oils, ageing, ozone and atmospherical agents. Halogen free, conform to RoHS, can be made antistatic in accordance with TRB S 2153 by grounding the spiral.

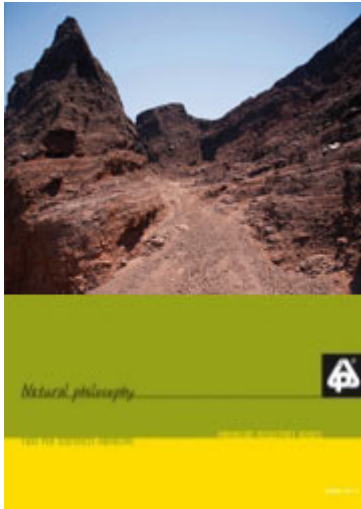
APPLICATIONS:

woodworking, dedusting, vapours, small industrial cleaning and suction plants. Can be used as protection sleeve. Suction of dry food according to EU 10/2011.

Please contact our offices for more information

TECHNICAL DATA:

Part number	Inside Ø	Wall Thickness	Weight	Bending Radius	Vacuum	Roll Lenght	Volume
	mm	mm	g/m	mm	m H2O	m	m ³
W4 01 051.0 000.0	51	0,40	205	40	0,40	20	0,108
W4 01 060.0 000.0	60	0,40	235	50	0,40	20	0,137
W4 01 063.0 000.0	63	0,40	245	55	0,40	20	0,150
W4 01 065.0 000.0	65	0,40	255	56	0,40	20	0,162
W4 01 070.0 000.0	70	0,40	360	60	0,40	20	0,181
W4 01 076.0 000.0	76	0,40	390	65	0,40	20	0,232
W4 01 080.0 000.0	80	0,40	405	65	0,40	20	0,254
W4 01 090.0 000.0	90	0,40	455	75	0,40	20	0,294
W4 01 102.0 000.0	102	0,40	510	85	0,30	15	0,286
W4 01 110.0 000.0	110	0,40	550	90	0,30	15	0,318
W4 01 115.0 000.0	115	0,40	575	95	0,30	15	0,331
W4 01 120.0 000.0	120	0,40	595	100	0,25	15	0,369
W4 01 127.0 000.0	127	0,40	630	105	0,25	15	0,402
W4 01 130.0 000.0	130	0,40	645	105	0,20	15	0,424
W4 01 140.0 000.0	140	0,40	695	115	0,20	15	0,500
W4 01 152.0 000.0	152	0,40	750	125	0,20	15	0,541
W4 01 160.0 000.0	160	0,40	870	130	0,15	15	0,659
W4 01 180.0 000.0	180	0,40	975	150	0,15	15	0,846
W4 01 203.0 000.0	203	0,40	1100	165	0,10	15	1,140
W4 01 220.0 000.0	220	0,40	1190	185	0,10	10	0,898
W4 01 228.0 000.0	228	0,40	1230	185	0,10	10	0,929
W4 01 254.0 00.0	254	0,40	1370	210	0,10	10	1,184
W4 01 305.0 000.0	305	0,40	1640	250	0,08	10	1,613
W4 01 315.0 000.0	315	0,40	1695	275	0,07	10	1,664
W4 01 356.0 000.0	356	0,40	1910	300	0,07	SU RICHIESTA	
W4 01 406.0 000.0	406	0,40	2175	350	0,06	SU RICHIESTA	



ABRASION NEXT 09

Colour: Translucent with high adhesion PU coated coppered steel spiral

Temperature range: -40°C +90°C (+125°C short time)

Ester based Polyurethane duct reinforced with a TPU coated high adhesion steel spiral.

Totally smooth inside to ensure optimization of flow properties. Constant Wall thickness of 0,9 mm through all the diameter range

Strong but light and flexible, it's suitable to heavy duty applications where a very good abrasion resistance is required.

In fact its capability of abrasion resistance is 20 mm³, 50% more than a conventional TPU hose

Resistant to mineral oils, ageing, atmospheric agents, ozone and to most chemicals. Free of Halogen and Phthalates, with raw materials in accordance to REACH and conform to RoHS Regulations.

NEXT 09 is made by a special TPU that combines different properties which make the wall material **permanent antistatic** (10^8 Ohm), resistant to UV, microbes and hydrolysis. The hose can be conductive (10^2 Ohm) according to TRB S 2153 by grounding the spiral.

APPLICATIONS:

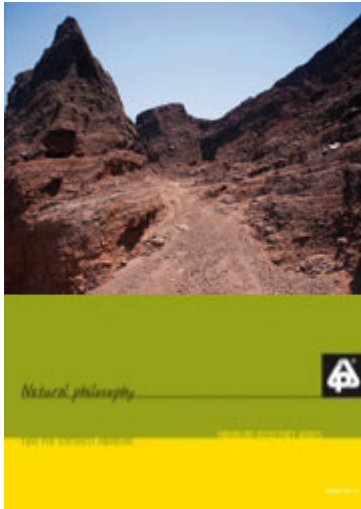
Suction of granules, abrasive powders, pellets, sawdust, fumes and abrasive powders.

Suitable to be used in plastic, woodworking, ceramic, dust extraction industries

TECHNICAL DATA:

Part Number	inside Ø	Wall thickness	Weight	Bending Radius	Vacuum	Volume	
	mm	mm	g/m	mm	m H2O	m3	
N9 01 025.4 000.0	25,4	0,90	235	30	5,0	30	0,075
N9 01 038.0 000.0	38,1	0,90	355	40	2,5	30/20	0,133/0,098
N9 01 040.0 000.0	40	0,90	370	40	2,5	30/20	0,139/0,103
N9 01 045.0 000.0	45	0,90	380	45	2,5	30/20	0,160/0,119
N9 01 052.0 000.0	50,8	0,90	425	50	2,0	30/20	0,185/0,139
N9 01 060.0 000.0	60	0,90	555	70	1,5	30/20	0,233/0,169
N9 01 063.0 000.0	63,5	0,90	595	70	1,5	30/20	0,245/0,186
N9 01 065.0 000.0	65	0,90	580	75	1,5	30/20	0,260/0,190
N9 01 076.0 000.0	76,2	0,90	675	90	1,5	30/20	0,372/0,239
N9 01 080.0 000.0	80	0,90	710	95	1,5	30/20	0,404/0,250
N9 01 090.0 000.0	90	0,90	795	105	1,0	20	0,302
N9 01 100.0 000.0	100	0,90	945	135	1,0	20	0,544
N9 01 102.0 000.0	102	0,90	960	135	1,0	20	0,554
N9 01 110.0 000.0	110	0,90	1035	145	1,0	20	0,613
N9 01 120.0 000.0	120	0,90	1140	160	0,7	20	0,685
N9 01 127.0 000.0	127	0,90	1205	210	0,7	20	0,745
N9 01 140.0 000.0	140	0,90	1230	185	0,5	20	0,841
N9 01 152.0 000.0	152,4	0,90	1470	230	0,5	20	0,941
N9 01 160.0 000.0	160	0,90	1555	250	0,5	20/15	0,985/0,795
N9 01 180.0 000.0	180	0,90	1635	270	0,3	20/15	1,167/0,937
N9 01 203.0 000.0	203,2	0,90	2015	300	0,3	15	1,703
N9 01 254.0 000.0	254	0,90	2885	440	0,2	10*	0,690
N9 01 305.0 000.0	305	0,90	4295	530	0,1	10*	0,990

*Straight length



ABRASION NEXT 07

Colour: Translucent with high adhesion PU coated coppered steel spiral

Temperature range: -40°C +90°C (+125°C short time)

Ester based Polyurethane duct reinforced with a TPU coated high adhesion steel spiral.

Totally smooth inside to ensure optimization of flow properties. Constant Wall thickness of 0,7 mm through all the diameter range

Strong but light and flexible, it's suitable to heavy duty applications where a very good abrasion resistance is required.

In fact its capability of abrasion resistance is 20 mm³, 50% more than a conventional TPU hose

Resistant to mineral oils, ageing, atmospherical agents, ozone and to most chemicals. Free of Halogen and Phthalates, with raw materials in accordance to REACH and conform to RoHS Regulations.

NEXT 07 is made by a special TPU that combines different properties which make the wall material **permanent antistatic** (10^8 Ohm), resistant to UV, microbes and hydrolysis. The hose can be conductive (10^2 Ohm) according to TRB S 2153 by grounding the spiral.

APPLICATIONS:

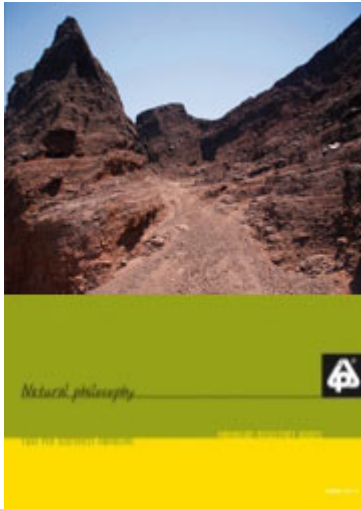
Suction of granules, abrasive powders, pellets, sawdust, fumes and abrasive powders.

Suitable to be used in plastic, woodworking, ceramic, dust extraction industries

TECHNICAL DATA:

Part number	inside Ø mm	Min.Wall thickness mm	Weight g/m	Bending radius mm	Vacuum m H2O	Roll Length m	Volume m3
N7 01 052.0 000.0	50,8	0,70	385	50	2,0	30	0,184
						20	0,138
N7 01 060.0 000.0	60	0,70	505	70	1,5	30	0,232
						20	0,168
N7 01 063.0 000.0	63,5	0,70	540	70	1,5	30	0,244
						20	0,185
N7 01 065.0 000.0	65	0,70	525	75	1,5	30	0,258
						20	0,189
N7 01 076.0 000.0	76,2	0,70	615	90	1,5	30	0,370
						20	0,237
N7 01 080.0 000.0	80	0,70	645	95	1,5	30	0,402
						20	0,248
N7 01 090.0 000.0	90	0,70	720	105	1,0	20	0,300
N7 01 100.0 000.0	100	0,70	860	135	1,0	20	0,541
N7 01 102.0 000.0	102	0,70	880	135	1,0	20	0,552
N7 01 110.0 000.0	110	0,70	945	145	1,0	20	0,611
N7 01 120.0 000.0	120	0,70	1040	160	0,7	20	0,683
N7 01 127.0 000.0	127	0,70	1100	210	0,7	20	0,745
N7 01 140.0 000.0	140	0,70	1120	185	0,5	20	0,839
N7 01 152.0 000.0	152,4	0,70	1345	230	0,5	20	0,938
						20	0,983
N7 01 160.0 000.0	160	0,70	1425	250	0,5	15	0,793
						20	1,165
N7 01 180.0 000.0	180	0,70	1490	270	0,3	15	0,935
						15	1,700
N7 01 203.0 000.0	203,2	0,70	1850	300	0,3	15	1,700
N7 01 254.0 000.0	254	0,70	2685	440	0,2	10*	0,687
N7 01 305.0 000.0	305	0,70	4055	530	0,1	10*	0,987

* STRAIGHT LENGTH



ABRASION NEXT 15

Colour: Translucent with high adhesion PU coated coppered steel spiral

Temperature range: -40°C +90°C (+125°C short time)

Features: Ester based Polyurethane duct reinforced with a TPU coated high adhesion steel spiral.

Totally smooth inside to ensure optimization of flow properties. Constant Wall thickness of 1,5 mm through all the diameter range

Strong but light and flexible, it's suitable to heavy duty applications where a very good abrasion resistance is required thanks to a specially compounded polyurethane 50% more resistant to abrasion of conventional TPU.

Resistant to mineral oils, ageing, atmospheric agents, ozone and to most chemicals. Free of Halogen and Phthalates, with raw materials in accordance to REACH and conform to RoHS Regulations.

NEXT is a unique products that combines great safety in use thanks to his **permanently antistatic** (10^8 Ohm) properties with a exceptional cost to benefit ratio. UV protected and resistant to microbes and hydrolysis ensure long life in operations.

APPLICATIONS:

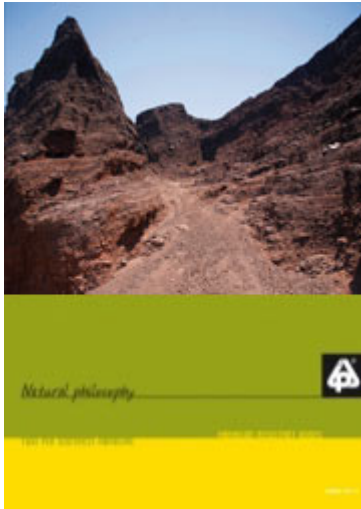
passage of highly abrasive granulates, pellets and chips. For granulate conveying systems in the plastic industry, industrial vacuum cleaners, printing machines and for gaseous and liquid media.

TECHNICAL DATA:

Part number	int. Ø	Min wall thickness	Weight	Bending radius	Nominal Vacuum*	Maximum Vacuum**	Roll lenght	Volume
	mm	mm	g/m	mm	mH2O	mH2O	m	m3
N5 01 040.0 000.0	40	1,50	475	90	5,0	9,5	30	0,149
N5 01 045.0 000.0	45	1,50	585	90	4,5	9,0	30	0,167
N5 01 052.0 000.0	50,8	1,50	640	90	4,5	9,0	30	0,192
N5 01 060.0 000.0	60	1,50	765	95	4,0	8,5	30	0,239
N5 01 063.0 000.0	63,5	1,50	880	100	4,0	8,0	30	0,253
N5 01 065.0 000.0	65	1,50	900	100	3,5	7,5	30	0,268
N5 01 076.0 000.0	76,2	1,50	1160	110	3,5	7,0	30	0,385
N5 01 080.0 000.0	80	1,50	1170	110	3,0	6,0	30	0,473
N5 01 090.0 000.0	90	1,50	1305	115	2,5	5,0	20	0,429
N5 01 100.0 000.0	100	1,50	1365	120	2,0	4,0	20	0,555
N5 01 102.0 000.0	102	1,50	1390	120	2,0	4,0	20	0,565
N5 01 110.0 000.0	110	1,50	1450	130	1,5	3,2	20	0,624
N5 01 120.0 000.0	120	1,50	1580	150	1,5	3,0	20	0,697
N5 01 127.0 000.0	127	1,50	1665	150	1,5	2,9	20	0,757
N5 01 140.0 000.0	140	1,50	2015	170	1,2	2,4	20	0,859
N5 01 152.0 000.0	152,4	1,50	2190	200	1,0	2,0	20	0,957
N5 01 160.0 000.0	160	1,50	2295	250	0,9	1,8	20	1,075
N5 01 180.0 000.0	180	1,50	2575	300	0,8	1,5	20	1,285
N5 01 203.0 000.0	203,2	1,50	3510	300	0,6	1,2	15	1,931

* Nominal Vacuum: value that guarantees the feature of internal smooth.

** Maximum Vacuum: maximum value before the collapse of the structure.



ABRASION VULCANO PU H 09

Colour: Clear with PU coated coppered steel spiral

Temperature range: -40°C + 90°C / -40°F + 194°F

Features: Ester based polyurethane hose reinforced with PU coated high adhesion steel wire.

Smooth inside to ensure optimization of flow properties. Constant Wall thickness of 0,9mm for the whole diameter range.

Strong but very flexible even at low temperatures, is suitable to heavy duty applications where a very good abrasion resistance is required. Resistant to mineral oils, chemicals, atmospheric agents and ozone. Halogen free and with raw materials according to REACH, conform to RoHS regulations.

Antistatic according to TRB S 2153 by grounding the spiral*. It can be made in the microbes resistant version and with antistatic raw material*.

APPLICATIONS:

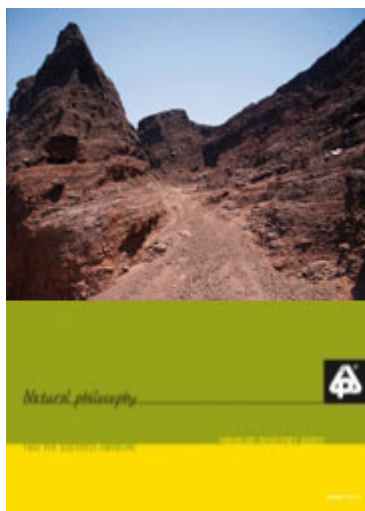
suction of granulates, abrasive powders and sawdust. For plastic woodworking and ceramic industries, dedusting and suction plants.

** Please consult sales offices for further information.*

TECHNICAL DATA:

Part number	Inside Ø	Min. wall thickness	Weight	Vacuum	Bending radius	Roll lenght	Volume
	mm	mm	g/m	mH2O	mm	m	m³
VB 01 038.0 000.0	38	0,90	300	5,0	40	20	0,072
VB 01 040.0 000.0	40	0,90	315	5,0	50	20	0,076
VB 01 045.0 000.0	45	0,90	390	5,0	50	20	0,090
VB 01 051.0 000.0	51	0,90	440	4,0	60	20	0,106
VB 01 060.0 000.0	60	0,90	510	3,0	70	20	0,122
VB 01 063.0 000.0	63	0,90	530	3,0	70	20	0,148
VB 01 070.0 000.0	70	0,90	670	3,0	80	20	0,167
VB 01 076.0 000.0	76	0,90	730	3,0	90	20	0,235
VB 01 080.0 000.0	80	0,90	770	3,0	90	20	0,256
VB 01 090.0 000.0	90	0,90	855	2,5	100	20	0,297
VB 01 102.0 000.0	102	0,90	965	2,0	120	15	0,289
VB 01 110.0 000.0	110	0,90	1035	2,0	130	15	0,309
VB 01 120.0 000.0	120	0,90	1125	1,5	140	15	0,359
VB 01 127.0 000.0	127	0,90	1375	1,5	150	15	0,405
VB 01 140.0 000.0	140	0,90	1510	1,0	160	15	0,504
VB 01 152.0 000.0	152	0,90	1635	1,0	170	15	0,544
VB 01 160.0 000.0	160	0,90	1715	1,0	180	15	0,662
VB 01 180.0 000.0	180	0,90	1720	0,5	210	15	0,855
VB 01 203.0 000.0	203	0,90	1930	0,5	230	15	1,146
VB 01 228.0 000.0	228	0,90	2165	0,3	260	10	0,933
VB 01 254.0 000.0	254	0,90	2405	0,3	290	10	1,188
VB 01 305.0 000.0	305	0,90	3130	0,2	350	10	1,613





ABRASION VULCANO PU H 09 ET

Colour: clear with PU coated grey colour steel spiral

Temperature range: -40°C+90°C (+125°C short time) / -40°F+194°F (252°F short time). We do not recommend SIP cleaning, which can severely impair the hose life.

Features: Ether based food grade polyurethane hose reinforced with PU coated high adhesion steel wire. Smooth inside to ensure optimization of flow properties. Constant Wall thickness of 0,9 mm for the whole diameter range.

Resistant to microbes and to hydrolysis. Excellent against ozone and weather. Suitable to deliver dry food stuffs according to the EU Regulation 10/2011 (for further details see the Information Sheet) and with FDA, title 21 CFR 177.2600.

The hose is odourless and doesn't change the organoleptical properties of the transferred materials, ensures very good bending radius even at low temperatures without reducing the flow capacity. Better abrasion resistance than a comparable ester-based PU hose or a PVC one. Halogen free and with raw materials according to REACH, conform to RoHS regulations. It can be made antistatic in accordance with TRB S 2153 regulation, by grounding the spiral.

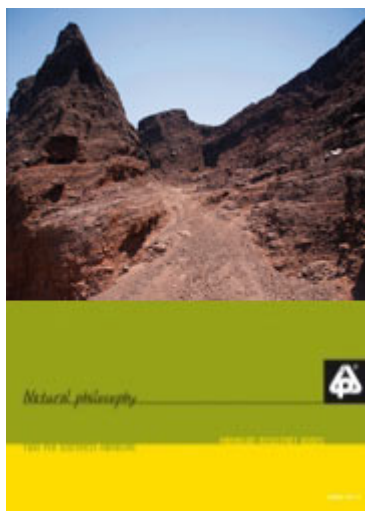
APPLICATIONS:

Food processing plants, pharmaceutical industry, and anywhere resistance to microbes is required.

TECHNICAL DATA:

Part number	Inside Ø	Min. wall thickness	Weight	Vacuum	Bending Radius	Roll lenght	Volume
	mm	mm	g/m	mH2O	mm	m	m³
VK 01 038,0 000,0	38	0,90	270	5,0	40	20	0,072
VK 01 040,0 000,0	40	0,90	280	5,0	50	20	0,076
VK 01 050,0 000,0	50	0,90	390	4,0	60	20	0,099
VK 01 051,0 000,0	51	0,90	400	4,0	60	20	0,106
VK 01 060,0 000,0	60	0,90	465	3,0	70	20	0,135
VK 01 063,0 000,0	63	0,90	485	3,0	70	20	0,148
VK 01 065,0 000,0	65	0,90	500	3,0	70	20	0,160
VK 01 070,0 000,0	70	0,90	615	3,0	80	20	0,184
VK 01 075,0 000,0	75	0,90	660	3,0	90	20	0,195
VK 01 076,0 000,0	76	0,90	670	3,0	90	20	0,235
VK 01 080,0 000,0	80	0,90	705	3,0	90	20	0,256
VK 01 090,0 000,0	90	0,90	785	2,5	100	20	0,297
VK 01 100,0 000,0	100	0,90	870	2,0	120	15	0,327
VK 01 102,0 000,0	102	0,90	885	2,0	120	15	0,289
VK 01 110,0 000,0	110	0,90	950	2,0	130	15	0,320
VK 01 120,0 000,0	120	0,90	1035	1,5	140	15	0,372
VK 01 127,0 000,0	127	0,90	1275	1,5	150	15	0,405
VK 01 150,0 000,0	150	0,90	1495	1,0	170	15	0,537
VK 01 152,0 000,0	152	0,90	1515	1,0	170	15	0,544
VK 01 160,0 000,0	160	0,90	1595	1,0	180	15	0,662
VK 01 180,0 000,0	180	0,90	1595	0,5	210	15	0,855
VK 01 200,0 000,0	200	0,90	1765	0,5	230	15	0,945
VK 01 203,0 000,0	203	0,90	1790	0,5	230	15	1,146
VK 01 250,0 000,0	250	0,90	2195	0,3	290	10	1,170
VK 01 254,0 000,0	254	0,90	2225	0,3	290	10	1,188
VK 01 305,0 000,0	305	0,90	3060	0,2	350	10	1,613





ABRASION VULCANO PU HD 12 ET

Colour: clear with zinc steel spiral.

Temperature range: -40 °C +90 °C (+125 °C peaks) / -40°F+194°F (252°F short time). We do not recommend SIP cleaning, which can severely impair the hose life.

Features: ether-based polyurethane hose reinforced with a high adhesion zinc steel spiral. Smooth inside to optimize flow properties. Resistant to microbes and hydrolysis. Excellent against ozone and weather. Suitable to deliver dry food stuffs in accordance with EU Regulation 10/2011 and FDA Regulations (title 21 CFR 177.2600). Halogen free and conform to RoHS. Antistatic by grounding the spiral in conformity with TRB S 2153 Regulation.

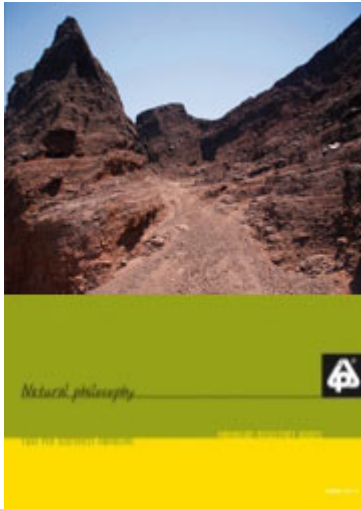
APPLICATIONS:

food processing, pharmaceutical industry, grass cutting machines, street cleaning vehicles.

TECHNICAL DATA:

Part number	Inside ø	Min. wall thickness	Weight	Vacuum	Bending radius	Roll length	Volume
	mm	mm	g/m	mH2O	mm	m	m³
VO 01 038,0 000,0	38	1,20	385	6,0	40	20	0,074
VO 01 040,0 000,0	40	1,20	400	6,0	50	20	0,077
VO 01 045,0 000,0	45	1,20	445	6,0	50	20	0,090
VO 01 050,0 000,0	50	1,20	490	5,0	60	20	0,099
VO 01 051,0 000,0	51	1,20	500	5,0	60	20	0,106
VO 01 060,0 000,0	60	1,20	635	4,5	70	20	0,122
VO 01 063,0 000,0	63	1,20	665	4,5	70	20	0,148
VO 01 065,0 000,0	65	1,20	685	4,5	70	20	0,152
VO 01 070,0 000,0	70	1,20	840	4,5	80	20	0,165
VO 01 075,0 000,0	75	1,20	895	4,0	80	20	0,176
VO 01 076,0 000,0	76	1,20	905	4,0	90	20	0,232
VO 01 080,0 000,0	80	1,20	950	3,5	90	20	0,254
VO 01 090,0 000,0	90	1,20	1065	3,0	100	20	0,294
VO 01 100,0 000,0	100	1,20	1180	2,5	120	15	0,281
VO 01 102,0 000,0	102	1,20	1200	2,5	120	15	0,286
VO 01 110,0 000,0	110	1,20	1410	2,5	130	15	0,307
VO 01 127,0 000,0	127	1,20	1630	2,0	150	15	0,405
VO 01 130,0 000,0	130	1,20	1670	2,0	150	15	0,414
VO 01 150,0 000,0	150	1,20	1915	1,5	170	15	0,537
VO 01 152,0 000,0	152	1,20	1940	1,5	170	15	0,544
VO 01 160,0 000,0	160	1,20	2040	1,5	180	15	0,662
VO 01 203,0 000,0	203	1,20	2410	0,5	230	15	1,146
VO 01 254,0 000,0	254	1,20	3000	0,5	290	10	1,188
VO 01 265,0 000,0	265	1,20	3380	0,5	300	10	1,238
VO 01 279,0 000,0	279	1,20	3555	0,5	320	10	1,301
VO 01 305,0 000,0	305	1,20	3880	0,5	350	10	1,613





ABRASION VULCANO PU HDS 15

Colour: translucent with TPU-coated steel spiral.

Temperature range: -40°C +90°C (125°C short time) / -40°F+194°F (252°F short time).

Features: ester based polyurethane hose reinforced with TPU-coated steel spiral to offer the best adhesion with the hose wall. Smooth inside to ensure optimization of flow properties. Higher abrasion resistance than conventional hoses in rubber or PVC with superior lifetime in use. Good resistance to mineral oils and chemicals, excellent resistance to ozone and weather. Halogen free and conform to RoHS regulations. Antistatic by grounding the spiral in conformity with TRB S 2153 regulations

APPLICATIONS:

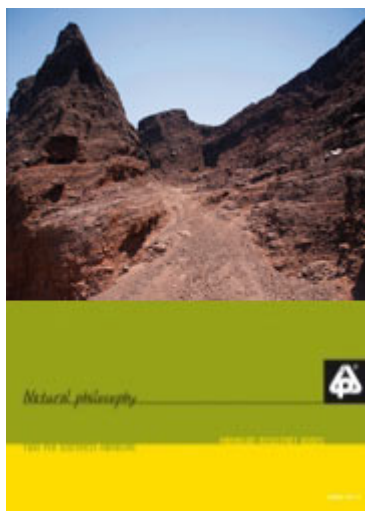
passage of highly abrasive granulates, pellets and chips. For granulate conveying systems in the plastic industry, industrial vacuum cleaners, printing machines and for gaseous and liquid media.

Contact our offices for further information

TECHNICAL DATA:

Part number	Inside ø	Min. wall thickness	Weight	Vacuum	Bending radius	Roll lenght	Volume
	mm	mm	g/m	mH2O	mm	m	m³
VC 01 038.0 000.0	38	1,5	505	9,5	40	20	0,074
VC 01 040.0 000.0	40	1,5	530	9,5	50	20	0,077
VC 01 045.0 000.0	45	1,5	590	9,0	50	20	0,090
VC 01 050.0 000.0	50	1,5	650	9,0	60	20	0,099
VC 01 051.0 000.0	51	1,5	660	9,0	60	20	0,106
VC 01 060.0 000.0	60	1,5	770	8,5	70	20	0,122
VC 01 063.0 000.0	63	1,5	805	8,0	70	20	0,148
VC 01 070.0 000.0	70	1,5	1000	7,5	80	20	0,165
VC 01 076.0 000.0	76	1,5	1080	7,0	90	20	0,232
VC 01 080.0 000.0	80	1,5	1135	6,0	90	20	0,254
VC 01 100.0 000.0	100	1,5	1405	4,0	120	15	0,281
VC 01 102.0 000.0	102	1,5	1430	3,5	120	15	0,286
VC 01 110.0 000.0	110	1,5	1540	3,2	130	15	0,307
VC 01 120.0 000.0	120	1,5	1675	3,0	140	15	0,356
VC 01 127.0 000.0	127	1,5	2070	2,9	150	15	0,405
VC 01 130.0 000.0	130	1,5	2120	2,6	150	15	0,414
VC 01 140.0 000.0	140	1,5	2275	2,4	160	15	0,504
VC 01 150.0 000.0	150	1,5	2435	2,0	170	15	0,537
VC 01 152.0 000.0	152	1,5	2465	2,0	170	15	0,544
VC 01 160.0 000.0	160	1,5	2590	1,8	180	15	0,662
VC 01 180.0 000.0	180	1,5	2770	1,5	210	15	0,855
VC 01 200.0 000.0	200	1,5	3070	1,2	230	15	1,130
VC 01 203.0 000.0	203	1,5	3115	1,2	230	15	1,146
VC 01 250.0 000.0	250	1,5	3815	0,8	290	10	1,170
VC 01 254.0 000.0	254	1,5	3875	0,8	290	10	1,188
VC 01 305.0 000.0	305	1,5	5570	0,7	350	MAX 10 m*	
* straight piece							





ABRASION VULCANO PU HDS 15 ET

Colour: translucent with zinc colored TPU-coated steel spiral.

Temperature range: - 40°C +90°C /-40°F +194°F, (+125°C/+257°F short time). We do not recommend the use of SIP cleaning , which can severely impair the hose life.

Features: ether based polyurethane hose reinforced with a TPU-coated steel spiral, to offer the best adhesion with the hose wall. Smooth inside to ensure optimization of flow properties. Resistant to microbes and Hydrolysis. Good resistance to mineral oils and chemicals, excellent resistance to ozone and weather. Suitable to deliver dry food stuffs in accordance with both EU Regulation 10/2011 and FDA Regulations (title 21 CFR 177.2600). Very flexible even at low temperatures, better if compared with a ester based hose. Halogen free and conform to RoHS regulations. Antistatic by grounding the spiral, in conformity with TRB S 2153 regulations.

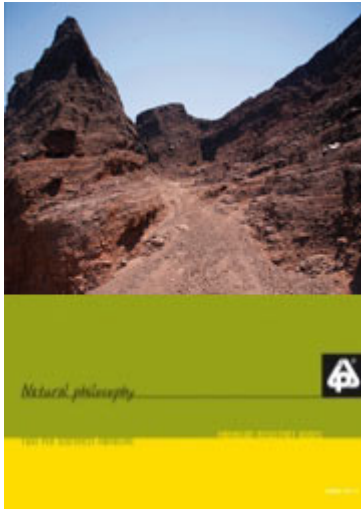
APPLICATIONS:

suction and transport hose in the Food and Pharmaceutical Industry. For street cleaning vehicles, in the chemical industry, and for all applications where a special microbes resistance is required.

TECHNICAL DATA:

Part number	Ø inside mm	Min. Wall thickness mm	Weight g/m	Bending radius mm	Vacuum m H2O	Roll length m	Volume m ³
VI 01 020.0 000.0	20	1,50	250	25	9,5	20	0,037
VI 01 038.0 000.0	38	1,50	460	40	9,5	20	0,080
VI 01 050.0 000.0	50	1,50	590	60	9,0	20	0,105
VI 01 051.0 000.0	51	1,50	605	60	9,0	20	0,112
VI 01 060.0 000.0	60	1,50	700	70	8,5	20	0,129
VI 01 063.0 000.0	63	1,50	735	70	8,0	20	0,156
VI 01 065.0 000.0	65	1,50	755	70	7,5	20	0,160
VI 01 070.0 000.0	70	1,50	920	80	7,5	20	0,174
VI 01 076.0 000.0	76	1,50	995	90	7,0	20	0,243
VI 01 080.0 000.0	80	1,50	1045	90	6,0	20	0,265
VI 01 090.0 000.0	90	1,50	1165	100	5,0	20	0,306
VI 01 100.0 000.0	100	1,50	1290	120	4,0	15	0,291
VI 01 102.0 000.0	102	1,50	1315	120	3,5	15	0,296
VI 01 110.0 000.0	110	1,50	1410	130	3,2	15	0,317
VI 01 120.0 000.0	120	1,50	1535	140	3,0	15	0,343
VI 01 127.0 000.0	127	1,50	1935	150	2,9	15	0,420
VI 01 130.0 000.0	130	1,50	1975	150	2,6	15	0,429
VI 01 140.0 000.0	140	1,50	2120	160	2,4	15	0,521
VI 01 150.0 000.0	150	1,50	2265	170	2,0	15	0,554
VI 01 152.0 000.0	152	1,50	2295	170	2,0	15	0,561
VI 01 160.0 000.0	160	1,50	2410	180	1,8	15	0,682
VI 01 180.0 000.0	180	1,50	2565	210	1,5	15	0,879
VI 01 200.0 000.0	200	1,50	2840	230	1,2	15	1,159
VI 01 203.0 000.0	203	1,50	2880	230	1,2	15	1,175
VI 01 250.0 000.0	250	1,50	3525	290	0,8	10	1,194
VI 01 254.0 000.0	254	1,50	3580	290	0,8	10	1,212
VI 01 305.0 000.0	305	1,50	5145	350	0,5	max 10 m (straight pieces)	





ABRASION VULCANO PU HDS XP 23 XFLEX

Colour: translucid with coppered spiral.

Temperature range: -40°C +90°C / -40°F + 194°F.

Features: special PU hose, extra flexible and microbes resistant, designed to ensure manageability and a constant and high wall thickness. Minimum Wall thickness under the spiral of 2,3mm. Smooth inside, it keeps the best flexibility also thanks to its low weight. Best resistant to extreme abrasion, mineral oils, ageing, ozone and atmospherical agents. Conform to RoHS, can be made antistatic in accordance with TRB S 2153 by grounding the spiral.

APPLICATIONS:

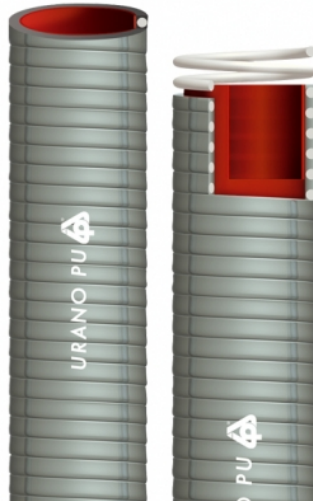
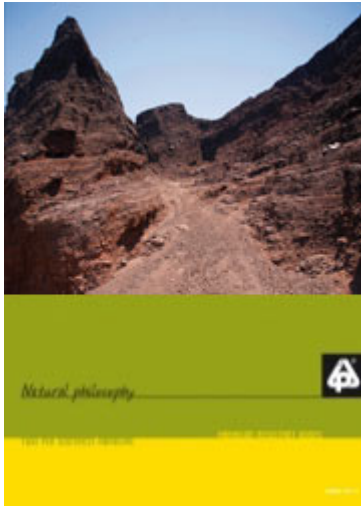
for extremely abrasive substances such as gravel, sands, stones, cement, etc. For performance machines which deliver glass and ceramic granules. Very good as transport hose in shipyards, steelworks, quarries, silos etc. Extremely suitable for industrial cleaning, roof rocking and for street cleaning car.

TECHNICAL DATA:

Part Number	inside ø	Min. wall thick.	Weight	Depressione	B. radius	Roll length	Volume
	mm	mm	g/m	mH20	mm	m	m³
X4 01 076.0 000.0	76	2,30	1760	9,7	305	15	0,321
X4 01 102.0 000.0	102	2,30	2330	9,7	410	15	0,486
X4 01 120.0 000.0	120	2,30	2730	9,0	480	15	0,772
X4 01 127.0 000.0	127	2,30	3055	9,0	510	15	0,901
X4 01 152.0 000.0	152	2,30	3570	8,5	610	MAX 10 m*	-
X4 01 203.0 000.0	203	2,30	5265	5,0	-	MAX 10 m*	-
X4 01 250.0 000.0	250	2,30	6475	4,0	-	MAX 10 m*	-

* straight piece





ABRASION URANO PU

Colour: outside grey, inside red.

Temperature range: - 25°C + 60°C -13°F +140°F

Features: Pvc hose with a completely antiabrasive Pu tube reinforced with an anti-shock rigid Pvc spiral. Inside surface smooth, outside semi rigid. **Its strong structure with the Pu layer makes it particularly suitable whenever heavy duty and very abrasive conditions are required.**

APPLICATIONS:

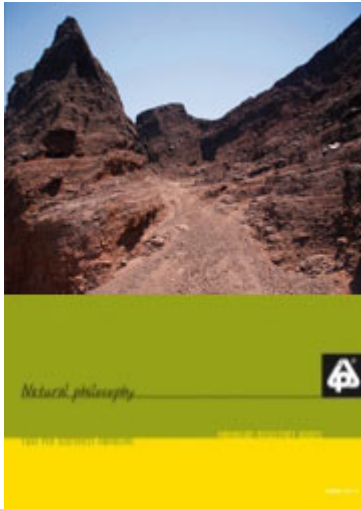
suction and discharge of abrasive liquids (slurry, sand, cement, pellets, gravel).

The hose can be manufactured (upon request) in the antistatic version, with a brassed steel wire inside the plastic wall, to meet still better the abrasion resistance requirements even on the external surface.

TECHNICAL DATA:

Part Number	Inside Ø	Min. Wall Thickness	Max. Wall Thickness	Weight	Working Pressure	Bursting Pressure	Vacuum	Bending	Roll Lenght	Volume
	mm	mm	mm	g/m	bar	bar	m H2O	mm	m	m³
UR 01 076.0 000.0	76	4,9	5,8	1650	3,0	9	9	310	50	0,647
UR 01 102.0 000.0	102	6,0	7,0	2670	3,0	9	8,5	410	30	0,783
UR 01 127.0 000.0	127	6,3	7,4	3490	2,5	7,5	8	510	30	1,230
UR 01 152.0 000.0	152,4	6,7	8,6	4860	2,0	6	8	610	20	1,329





ABRASION URANO HD SUPER

Colour: outside blue, inside red

Temperature range: -25° C + 60° C -13°F +140°F

Features: PVC hose with a completely antiabrasive PU tube reinforced with an anti-shock rigid PVC spiral. Inside surface smooth, outside semi rigid. **Very strong with a PU inner layer of 2,2 mm.**

Excellent resistance to abrasion and vacuum, the best of its class.

APPLICATIONS:

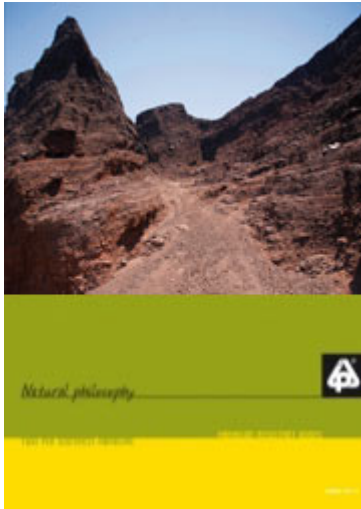
for suction and discharge of abrasives (slurry, sand, cement, grains, gravel).

Can be manufactured antistatic upon request.

TECHNICAL DATA:

Part Number	Inside Ø	Min. Wall Thickness	Max. Wall Thickness	Weight	Working Pressure	Bursting Pressure	Vacuum	bending	Roll Bending	Volume
	mm	mm	mm	g/m	bar	bar	m H2O	mm	m	m³
UH 01 076.0 000.0	76,2	5,4	7,2	2000	4,5	13,5	10	470	50	0,690
UH 01 102.0 000.0	102	6,6	9,4	3350	4,0	12	9,5	600	30	0,811
UH 01 127.0 000.0	127	7,0	10,0	4400	3,5	10,5	9,5	750	30	1,752
UH 01 152.0 000.0	152	9,2	12,0	6700	3,0	9	9,5	900	20	1,408





ABRASION ZEUS PU FOOD

Colour: transparent with ivory spiral.

Temperature range: -40°C +80°C / -40°F +176°F

ether based PU wall, food grade, with antishock rigid PVC spiral. Smooth inside, corrugated outside. Light, flexible, extremely resistant to abrasion and bending, this hose features high mechanical properties. Resistant to many chemicals. Food grade according to the FDA Reg. Cfr 21-Item 177.2600 (aqueous and fatty food) and to EU Regulation 10/2011, classes A, B, C, D2 (for further details see the Information Sheet).

Food grade spiral

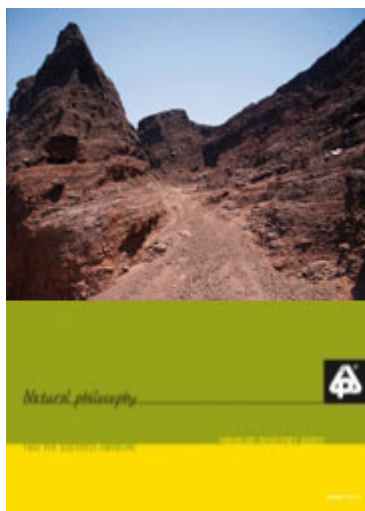
APPLICATIONS:

suction and delivery of alimentary products and liquids. Indicated for suction and transport of sugar, flour, grains and animal feeds

TECHNICAL DATA:

Part Number	Inside Ø	Min. Wall Thickness	Max. Wall Thickness	Weight	Working Pressure	Bursting Pressure	Vacuum	Bending Radius	Roll Length	Volume
	mm	mm	mm	g/m	bar	bar	mH2O	mm	m	m³
ZE 01 030.0 000.0	30	1,2	3,4	320	3,0	9	9	130	30	0,090
ZE 01 032.0 000.0	31,8	1,2	3,4	340	3,0	9	9	140	30	0,099
ZE 01 035.0 000.0	35	1,3	3,6	380	3,0	9	9	160	30	0,108
ZE 01 038.0 000.0	38,1	1,3	3,8	410	3,0	9	9	180	30	0,117
ZE 01 040.0 000.0	40	1,5	4,6	490	3,0	9	9	190	30	0,139
ZE 01 045.0 000.0	45	1,5	4,7	570	3,0	9	8	200	30	0,154
ZE 01 052.0 000.0	50,8	1,5	5,2	700	3,0	9	8	215	30	0,214
ZE 01 060.0 000.0	60	1,5	5,2	870	3,0	9	8	230	30	0,246
ZE 01 063.0 000.0	63,5	1,5	5,2	910	3,0	9	8	240	30	0,298
ZE 01 065.0 000.0	65	1,5	5,2	930	3,0	9	8	240	30	0,304
ZE 01 070.0 000.0	70	1,5	5,2	940	2,5	7,5	8	250	30	0,371
ZE 01 076.0 000.0	76,2	1,7	5,2	1120	2,5	7,5	8	270	30	0,466
ZE 01 080.0 000.0	80	2,0	5,3	1260	2,5	7,5	7	290	30	0,518
ZE 01 090.0 000.0	90	2,0	5,3	1400	2,5	7,5	7	380	30	0,592
ZE 01 100.0 000.0	100	2,0	6,0	1600	2,5	7,5	7	420	30	0,716
ZE 01 102.0 000.0	102	2,0	6,0	1630	2,5	7,5	7	420	30	0,729
ZE 01 120.0 000.0	120	2,0	7,0	2400	2,0	6	6,5	480	30	1,544
ZE 01 127.0 000.0	127	2,0	7,0	2500	1,5	4,5	6,5	530	30	1,625
ZE 01 150.0 000.0	151,5	2,0	7,5	3100	1,5	4,5	6	800	20	1,279





ABRASION NETTUNO PU FF

Colour: transparent with plastic ivory spiral.

Temperature range: -10°C + 60°C / +14°F +140°F

hose made with plasticized vinylic compound, ether-based polyurethane liner and spiral. Completely smooth inside, light and very flexible. Resistance to loads, atmospherical agents and to a wide range of chemicals. Resistance to hydrolysis and to bacterial proliferation.

Food grade hose liner and cover, completely free of phthalates, to eliminate leaching risk of those components into the delivered substances. The hard plastic spiral is as well **food grade**, making Nettuno PU FF a total food hose. The antistatic version is available upon request.

Standards: Food grade according to EU Regulation n° 10/2011 (classes A, B, C, D. Not for milk and byproducts).

APPLICATIONS:

ideal solution for suction and delivery of food powders like flours, light grains, freeze dried foodstuffs. For beverages with alcohol concentration up to 20%.

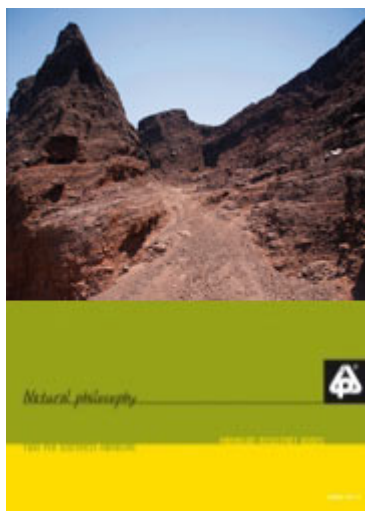
See recommendations for technical suitability.

Date: 5th September 2013 - Revision 03. Replacing previous editions.

TECHNICAL DATA:

Part number	Inside Ø	Min. wall thickness	Max. wall thickness	Weight	Working pressure	Bursting pressure	Vacuum	Bending radius	Roll lenght	Volume
	mm	mm	mm	g/m	bar	bar	mH2O	mm	m	m³
NR 01 030.0 000.0	30	2,8	3,3	360	5	15	7	150	30	0,089
NR 01 032.0 000.0	31,8	2,9	3,4	390	5	15	7	155	30	0,099
NR 01 035.0 000.0	35	3,0	3,5	440	5	15	7	170	30	0,108
NR 01 038.0 000.0	38,1	3,1	3,7	520	5	15	7	185	30	0,116
NR 01 040.0 000.0	40	3,1	3,8	550	5	15	7	195	30	0,134
NR 01 045.0 000.0	45	3,1	4,1	670	5	15	7	215	30	0,158
NR 01 050.0 000.0	50	3,3	4,5	800	5	15	7	235	30	0,199
NR 01 052.0 000.0	50,8	3,3	4,5	810	5	15	7	235	30	0,201
NR 01 060.0 000.0	60	3,4	4,6	970	5	15	7	275	30	0,251
NR 01 063.0 000.0	63,5	3,5	4,6	1040	5	15	7	290	30	0,293
NR 01 070.0 000.0	70	3,7	4,9	1200	5	15	7	320	30	0,430
NR 01 076.0 000.0	76,2	3,9	5,2	1380	5	15	7	340	30	0,480
NR 01 080.0 000.0	80	4,1	5,5	1550	4	12	7	365	30	0,520
NR 01 090.0 000.0	90	4,4	5,8	1850	4	12	7	420	30	0,598
NR 01 100.0 000.0	100	4,7	6,3	2200	4	12	7	470	30	0,720
NR 01 102.0 000.0	102	4,7	6,3	2250	4	12	7	470	30	0,733





ABRASION ZEUS PU FOOD

Colour: transparent with ivory spiral.

Temperature range: -40°C+ 80°C - 40°F + 176°F

ether based food grade PU wall, with antishock rigid PVC spiral. Smooth inside, corrugated outside. Light and flexible; free from phthalates and other plasticizers. Resistant to hydrolysis, microbes attacks, abrasion and flexion, this hose features high mechanical properties. Resistant to many chemicals. Food grade according to FDA REG. Cfr 21-Item 17.2600 (aqueous and fatty food) and to EU Reg. 10/2011, classes A, B, C, D2

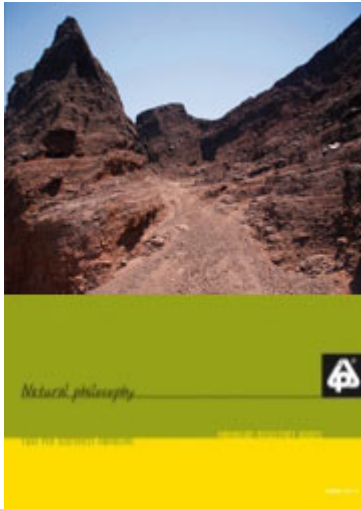
Food grade spiral

APPLICATIONS:

suction and delivery of food grade powders, animal feed, granules different size and abrasion power, such as sugar, salt and dry fruit.

TECHNICAL DATA:

[illegible]



ABRASION VULCANO PU H 09 EL

Colour: black

Temperature range: -40°C + 90°C / -40°F + 194°F

Ester based polyurethane hose reinforced with PU coated high adhesion steel wire. Raw material with permanent electrical conductive features: $<10^4$ Ohm/metre according to ISO 8031. Smooth inside to ensure optimization of flow properties. Constant wall thickness of 0,9mm for the whole diameter range.

Strong but very flexible even at low temperatures, is suitable to heavy duty applications where a very good abrasion resistance is required. Resistant to chemicals, atmospherically agents and ozone. Halogen free and with conform to RoHS regulations.

The hose is able to transfer electrostatic charges when installed suitably earthed on implants. Electrical resistance $<10^4$ Ohm/metre. The hose meets the requirements of the widely known regulations in electrostatic field: ATEX, ISO 8031, TRB S 2153.

APPLICATIONS:

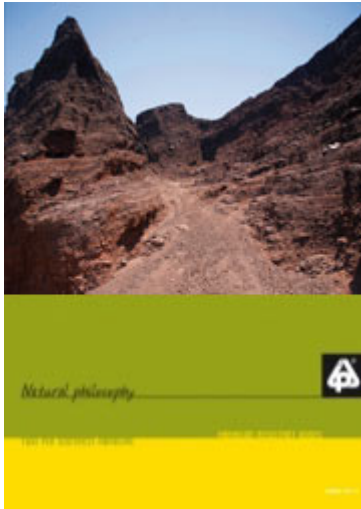
suction of granulates, abrasive powders and sawdust. For plastic woodworking and ceramic industries, dedusting and suction plants.

TECHNICAL DATA:

Code	Inside Ø	Min. wall thickness	Weight	Vacuum	Bending r.	Coil l.	Volume
	mm	mm	g/m	mH2O	mm	m	m³
EB 01 038.0 000.0	38	0,90	295	5,0	40	20	0.072
EB 01 040.0 000.0	40	0,90	310	5,0	50	20	0.076
EB 01 045.0 000.0	45	0,90	385	5,0	50	20	0.090
EB 01 050.0 000.0	50	0.90	425	4.0	60	20	0.099
EB 01 051.0 000.0	51	0,90	435	4,0	60	20	0.106
EB 01 060.0 000.0	60	0,90	505	3.0	70	20	0.122
EB 01 063.0 000.0	63	0,90	530	3.0	70	20	0.148
EB 01 070.0 000.0	70	0,90	665	3.0	80	20	0.167
EB 01 076.0 000.0	76	0,90	730	3.0	90	20	0.235
EB 01 080.0 000.0	80	0,90	765	3.0	90	20	0.256
EB 01 090.0 000.0	90	0,90	850	2.5	100	20	0.297
EB 01 100.0 000.0	100	0.90	940	2.0	120	15	0.283
EB 01 102.0 000.0	102	0,90	960	2.0	120	15	0.289

Further diameters available on request.





ABRASION VULCANO PU HDS 15 EL

Colour: black

Temperature range: -40°C + 90°C / -40°F + 194°F

Ester based polyurethane hose reinforced with PU coated high adhesion steel wire. raw material with permanent electrical conductive features: $<10^4$ Ohm/metre according to ISO 8031. Smooth inside to ensure optimization of flow properties. Constant Wall thickness of 1,5mm for the whole diameter range.

Strong but very flexible even at low temperatures, is suitable to heavy duty applications where a very good abrasion resistance is required. Resistant to chemicals, atmospherically agents and ozone. Halogen free and with raw materials conform to RoHS regulations.

The hose is able to transfer electrostatic charges when installed on implants suitably earthed. Electrical resistance $<10^{-4}$ Ohm/metre. The hose meets the requirements of the widely known regulations in electrostatic field: ATEX, ISO 8031, TRB S 2153.

APPLICATIONS:

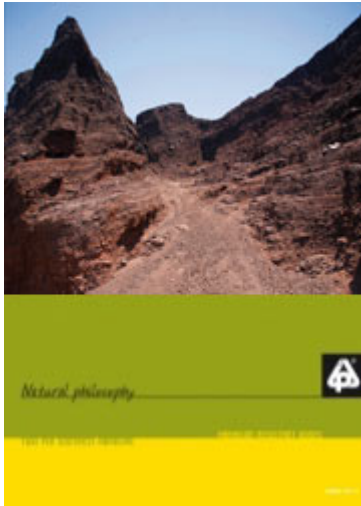
suction of granulates, abrasive powders and sawdust. For plastic woodworking and ceramic industries, dedusting and suction plants.

TECHNICAL DATA:

Code	Inside Ø	Min.Wall thickness	Weight	Vacuum	Bending r.	Coil l.	Volume
	mm	mm	g/m	mH2O	mm	m	m³
EC 01 038.0 000.0	38	1.5	515	9.5	40	20	0.074
EC 01 040.0 000.0	40	1.5	540	9.5	50	20	0.077
EC 01 045.0 000.0	45	1.5	600	9.0	50	20	0.090
EC 01 050.0 000.0	50	1.5	660	9.0	60	20	0.099
EC 01 051.0 000.0	51	1.5	675	9.0	60	20	0.106
EC 01 060.0 000.0	60	1.5	785	8.5	70	20	0.122
EC 01 063.0 000.0	63	1.5	820	8.0	70	20	0.148
EC 01 070.0 000.0	70	1.5	1015	7.5	80	20	0.165
EC 01 076.0 000.0	76	1.5	1100	7.0	90	20	0.232
EC 01 080.0 000.0	80	1.5	1155	6.0	90	20	0.254
EC 01 100.0 000.0	100	1.5	1430	4.0	120	15	0.281
EC 01 102.0 000.0	102	1.5	1455	3.5	120	15	0.286

Further IDs available on request.





ABRASION VULCANO PU STONE

Colour: translucid with coppered spiral.

Temperature range: -40°C +90°C / -40°F + 194°F.

hose specially developed to withstand the hardest applications like vacuum cleaner rucks and roof rocking. Ester-based antimicrobial polyurethane reinforced with polyurethane coated steel spiral to ensure the best adhesion with the hose wall. Smooth inside. Keeps very high flexibility though its thickness and easy handling thanks to its limited weight. Resistant to extreme abrasion, mineral oils, ageing, ozone and atmospheric agents. Conform to RoHS, can be made electrically conductive in accordance to TRB S 2153 by grounding the spiral.

APPLICATIONS:

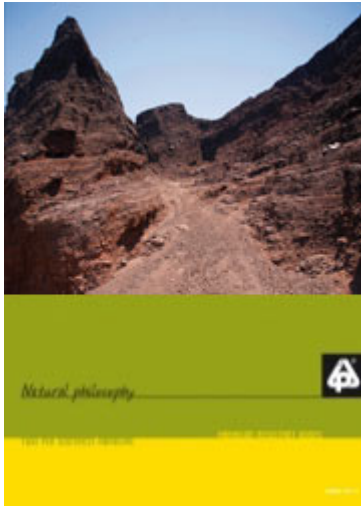
for suction of extremely abrasive media. Particularly indicated for vacuum cleaner trucks and in the roof rocking sector. It can be also installed in steelworks, cement factories and in quarries.

TECHNICAL DATA:

Code	Inside	Mln. wall thickn.	Weight	Vacuum	B. radius	Coil l.	Volume
	mm	mm	g/m	mH2O	mm	m	m³
TH 01 038.0 000.0	38	2,00	715	9,7	150	15	0,075
TH 01 045.0 000.0	45	2,00	835	9,7	180	15	0,087
TH 01 051.0 000.0	51	2,00	1030	9,7	204	15	0,102
TH 01 060.0 000.0	60	2,00	1210	9,7	240	15	0,119
TH 01 063.0 000.0	63	2,00	1265	9,7	250	15	0,144
TH 01 076.0 000.0	76	2,00	1545	9,5	305	15	0,229
TH 01 080.0 000.0	80	2,00	1625	9,5	320	15	0,251
TH 01 090.0 000.0	90	2,00	1820	9,5	360	15	0,291
TH 01 102.0 000.0	102	2,00	2195	9,5	410	10	0,283
TH 01 127.0 000.0	127	2,00	2910	9,0	510	10	0,399
TH 01 140.0 000.0	140	2,00	3205	8,7	560	10	0,497
TH 01 152.0 000.0	152	2,00	3470	8,2	610	10	0,537
TH 01 160.0 000.0	160	2,00	4055	8,0	640	10	0,655
TH 01 180.0 000.0	180	2,00	4570	7,0	810	10	0,846
TH 01 200.0 000.0	200	2,00	5070	6,0	1000	10	1,348
TH 01 250.0 000.0	250	2,00	6320	4,0	max 10 m*		

* straight piece





ABRASION TITANO

Colour: black

Temperature range: -10°C +70°C

multilayer hose with inner lining of conductive PVC/PU, reinforced with an anti-shock rigid PVC spiral ; the PVC coated outer layer is slightly corrugated, to ensure a better flexibility and mechanical properties , especially at low temperatures.

Strong, flexible and lighter than a conventional rubber hose, Titano has an excellent resistance to abrasion, mineral oils , most chemicals as well as to ozon, ageing and atmospherical agents

Compliant with RoHS standard, the lining is permanent electrical conductive ($\leq 10^6$ Ohm/ meter) according to ISO 8031.

Strong but light and flexible, it is suitable for heavy duty , whereas a good abrasion resistance and easy handling in critical and humid conditions are required.

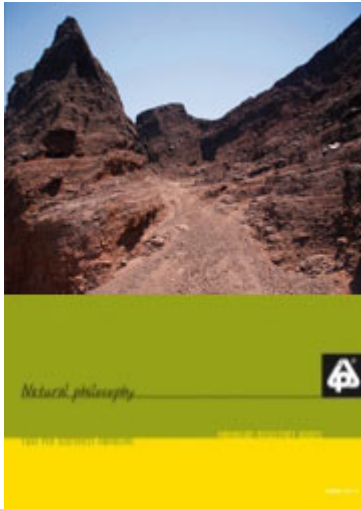
APPLICATIONS:

suction and delivery of pulver and abrasives (slurry, sand, cement, grains, gravel); dockside unloading; shipyard;

Plant waste management; commercial cleaning; often installed on tank trucks.

TECHNICAL DATA:

Part number	Ø inside	Min Wall thickness	Max Wall thickness	Weight	WP	BP	Vacuum	Bending Radius	Length.	Vol.
	mm	mm	mm	g/m	bar	bar	M H2O	Mm	m	m3
TT 01 038.0 000.0	38,10	2,7	5,8	700	3,0	9	9	110	30,5	0,121
TT 01 052.0 000.0	50,8	3,0	6,5	1095	2,0	6	9	140	30,5	0,223
TT 01 063.0 000.0	63,5	3,1	6,8	1335	2,0	6	9	150	30,5	0,301
TT 01 076.0 000.0	76,2	3,2	7,3	1650	2,0	6	9	190	30,5	0,790
TT 01 102.0 000.0	102	3,6	9,1	2685	2,0	6	9	280	30,5	0,790
TT 01 127.0 000.0	127	3,8	9,1	3450	2,0	6	8	380	30,5	1,172
TT 01 152.0 000.0	152,4	4,0	9,7	4250	1,0	3	8	510	30,5	2,021
TT 01 203.0 000.0	203	4,7	11,3	6350	1,0	3	8	760	15,3	2,707



ABRASION VULCANO PU M FR

Colour: Clear PU with PU coated coppered steel spiral

Temperature range: -40°C + 90°C / -40°F + 194°F

Features: Ester base PU duct reinforced with PU coated high adhesion steel wire. Smooth inside to ensure optimization of flow properties.

Wall thickness from 0,4 to 0,75 mm. Maximum flexibility, high compressibility (about 5:1) and lightness make this duct an excellent choice for cost saving storage and transport and easy handling in operation. Resistant to abrasion, mineral oils, UV, ozone and ageing. Especially suitable for dynamic applications. The PU-coated spiral allows more bending sessions than a hose with a not coated steel spiral.

Halogen free and with row materials according to REACH, conform to RoHS regulations, can be made antistatic according to TRB S 2153 by grounding the spiral. It can be made in the microbes resistant version*.

APPLICATIONS:

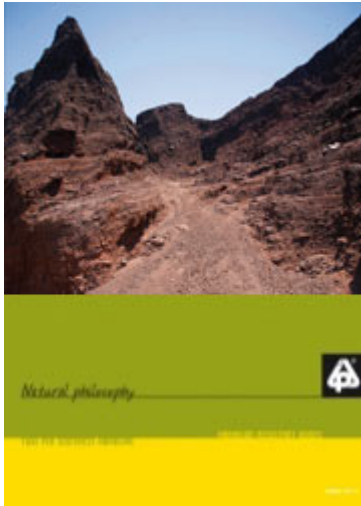
suction of pellets, granulates, abrasive powders and chemicals. In woodworking and ceramic industry and everywhere very high flexibility is required.

** Please consult sales offices for further information.*

TECHNICAL DATA:

Part number	Inside Ø	Min. wall thickness	Weight	Vacuum	Bending radius	Length*	Vol.x 10 mt.
	mm	mm	g/m	mH2O	mm	m	m³
VM FR 038.0 000.0	38	0,40	175	2,0	30	10	0,05
VM FR 040.0 000.0	40	0,40	185	2,0	32	10	0,005
VM FR 045.0 000.0	45	0,40	205	2,0	36	10	0,006
VM FR 051.0 000.0	51	0,40	230	2,0	40	10	0,007
VM FR 060.0 000.0	60	0,40	265	1,7	50	10	0,010
VM FR 063.0 000.0	63	0,40	275	1,7	55	10	0,011
VM FR 065.0 000.0	65	0,40	285	1,7	56	10	0,011
VM FR 070.0 000.0	70	0,43	375	1,7	60	10	0,013
VM FR 076.0 000.0	76	0,43	405	1,7	65	10	0,015
VM FR 080.0 000.0	80	0,43	420	1,6	65	10	0,016
VM FR 090.0 000.0	90	0,43	470	1,6	75	10	0,022
VM FR 102.0 000.0	102	0,53	530	1,3	85	10	0,028
VM FR 110.0 000.0	110	0,53	570	1,2	90	10	0,032
VM FR 120.0 000.0	120	0,53	620	1,0	100	10	0,037
VM FR 127.0 000.0	127	0,63	755	1,0	105	10	0,045
VM FR 130.0 000.0	130	0,63	770	0,8	105	10	0,047
VM FR 140.0 000.0	140	0,63	830	0,8	115	10	0,054
VM FR 152.0 000.0	152	0,63	890	0,8	125	10	0,063
VM FR 160.0 000.0	160	0,63	935	0,7	130	10	0,069
VM FR 180.0 000.0	180	0,63	1210	0,5	150	10	0,087
VM FR 200.0 000.0	200	0,63	1345	0,4	165	10	0,106
VM FR 203.0 000.0	203	0,63	1360	0,4	165	10	0,109
VM FR 228.0 000.0	228	0,63	1525	0,4	185	10	0,142
VM FR 254.0 000.0	254	0,65	1845	0,4	210	10	0,174
VM FR 305.0 000.0	305	0,65	2205	0,3	250	10	0,248
VM FR 356.0 000.0	356	0,65	2570	0,3	300	10	0,335
VM FR 406.0 000.0	406	0,75	3150	0,3	350	10	0,433
*Compressed lenghts							





ABRASION VULCANO PU M AF

Colour: translucent with coppered steel wire

Temperature range: -40°C, +90°C / -40°F+194°F

Features: ether based PU hose with coppered steel wire. Wall thickness from 0,40 till 0,75 mm. Flame resistant, it observes the safety standards of the German Wood Trade Association. High flexibility, strong resistance against abrasion, microbes and hydrolysis. Collapsible upon request. It meets the RoHS Norms, completely free of PVC, halogens and phthalates.

APPLICATIONS:

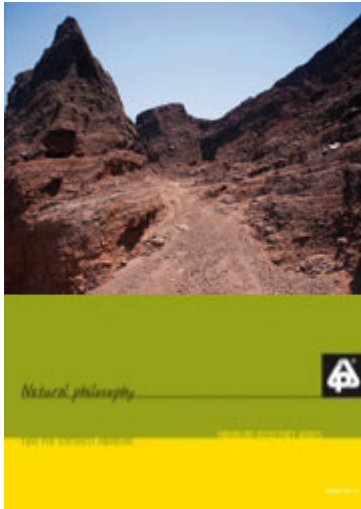
suction of wood shavings and sawdust, in sawmills and woodworking plants.

TECHNICAL DATA:

Part Number	Inside Ø	Min. Wall Thickness	Weight	Vacuum	Bending Radius	Roll Length	Volume
	mm	mm	g/m	m H2O	mm	m	m³
FM 01 060.0 000.0	60	0,40	290	1,7	50	20	0,137
FM 01 080.0 000.0	80	0,45	525	1,6	65	20	0,254
FM 01 090.0 000.0	90	0,45	595	1,6	75	20	0,294
FM 01 100.0 000.0	100	0,55	615	1,3	85	15	0,281
FM 01 120.0 000.0	120	0,55	740	1,0	100	15	0,369
FM 01 150.0 000.0	150	0,65	1005	0,8	125	15	0,537
FM 01 160.0 000.0	160	0,65	1115	0,7	130	15	0,666

Further diameters available on request.





ABRASION VULCANO PU S1

Colour: transparent with coppered spiral

Temperature range: -40°C + 90°C / -40°F + 194°F

Ester based PU duct reinforced with a coppered steel spiral.

Constant wall thickness 0,4 mm for all the diameters.

Very sturdy, flexible, and axially compressible (about 5:1) for easy handling and cost effective stocking and transporting. Resistant to abrasion, mineral oils, ageing, ozone and atmospherical agents. Halogen free, conform to RoHS, can be made antistatic in accordance with TRB S 2153 by grounding the spiral.

APPLICATIONS:

woodworking, dedusting, vapours, small industrial cleaning and suction plants. Can be used as protection sleeve. Suction of dry food according to EU 10/2011.

Please contact our offices for more information

TECHNICAL DATA:

Part number	Inside Ø	Wall Thickness	Weight	Bending Radius	Vacuum	Roll Lenght	Volume
	mm	mm	g/m	mm	m H2O	m	m ³
W4 01 051.0 000.0	51	0,40	205	40	0,40	20	0,108
W4 01 060.0 000.0	60	0,40	235	50	0,40	20	0,137
W4 01 063.0 000.0	63	0,40	245	55	0,40	20	0,150
W4 01 065.0 000.0	65	0,40	255	56	0,40	20	0,162
W4 01 070.0 000.0	70	0,40	360	60	0,40	20	0,181
W4 01 076.0 000.0	76	0,40	390	65	0,40	20	0,232
W4 01 080.0 000.0	80	0,40	405	65	0,40	20	0,254
W4 01 090.0 000.0	90	0,40	455	75	0,40	20	0,294
W4 01 102.0 000.0	102	0,40	510	85	0,30	15	0,286
W4 01 110.0 000.0	110	0,40	550	90	0,30	15	0,318
W4 01 115.0 000.0	115	0,40	575	95	0,30	15	0,331
W4 01 120.0 000.0	120	0,40	595	100	0,25	15	0,369
W4 01 127.0 000.0	127	0,40	630	105	0,25	15	0,402
W4 01 130.0 000.0	130	0,40	645	105	0,20	15	0,424
W4 01 140.0 000.0	140	0,40	695	115	0,20	15	0,500
W4 01 152.0 000.0	152	0,40	750	125	0,20	15	0,541
W4 01 160.0 000.0	160	0,40	870	130	0,15	15	0,659
W4 01 180.0 000.0	180	0,40	975	150	0,15	15	0,846
W4 01 203.0 000.0	203	0,40	1100	165	0,10	15	1,140
W4 01 220.0 000.0	220	0,40	1190	185	0,10	10	0,898
W4 01 228.0 000.0	228	0,40	1230	185	0,10	10	0,929
W4 01 254.0 00.0	254	0,40	1370	210	0,10	10	1,184
W4 01 305.0 000.0	305	0,40	1640	250	0,08	10	1,613
W4 01 315.0 000.0	315	0,40	1695	275	0,07	10	1,664
W4 01 356.0 000.0	356	0,40	1910	300	0,07	SU RICHIESTA	
W4 01 406.0 000.0	406	0,40	2175	350	0,06	SU RICHIESTA	