

# INTERNATIONAL CERTIFICATION - RoHS • FDA • UL

**Appendix-1: Horizontal Burning Test**

UL 94, 89 V-0, V-1 or V-2

Specimen Review: 1.1 Radius = 1.3 mm, Width = 37.5 ± 0.5 mm, Length = 150 ± 5 mm and adhere are smooth. Specimen 0.150" meet the standard size. AH, 2014-03-04.

Specimen No.	Material	2.5 ± 0.25 mm (0.1 in.)	Color	TP
1	0.428	40	75	1 3 1 110
2	0.417	42	75	1 3 1 110
3	0.438	94	75	1 3 1 52

UL Logo

**Underwriters Laboratories**

Project No: 07CA5660 File: SV17005 Page: 4

UL 94, CL7

Specimen Review: 1.1 Condition: 482237 85/50/ 54/11

Specimen No.	Material	2.5 ± 0.25 mm (0.1 in.)	Color	TP
1	0.313	0	0	1 2 1
2	0.318	0	0	1 2 1
3	0.313	0	0	1 2 1

UL Logo

**Appendix-2: 50W (20 mm) Vertical Flammability**

UL 94, 89 V-0, V-1 or V-2

Specimen Review: 1.1 Radius = 1.3 mm, Width = 130.5 mm, Length = 150 ± 5 mm and adhere are smooth. Specimen 0.150" meet the standard size. AH, 2014-03-04.

Specimen No.	Material	2.5 ± 0.25 mm (0.1 in.)	Color	TP
1	0.313	0	0	1 2 1
2	0.318	0	0	1 2 1
3	0.313	0	0	1 2 1

UL Logo



**SGS**

Test Report No. CE02017002A Date: 2014/01/16 Page: 1 of 3

JER-YEU INDUSTRIAL CO., LTD. NO. 367, SEC. 3, ZHONGSHAN RD., TAINI DIST., TAICHUNG HSIEN, TAIWAN

The following sample(s) was/were submitted and identified by/on behalf of the applicant as:

Sample Description: 1. ADJUT 2. EVA HOSE

Sample Receiving Date: 1. 2014/01/01

Testing Period: 1. 2014/01/01 to 2014/01/06

Test Requested: 1. As specified by client, with reference to RoHS Directive 2011/65/EU Annex II to determine Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs contents in the submitted sample.

Test Method: 1. Please refer to next page(s).

Test Result(s): 1. Please refer to next page(s).

Conclusion: 1. Based on the performed tests on submitted samples, the test results of Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs comply with the limits as set by RoHS Directive 2011/65/EU Annex II, meeting 2012/65/EC.

SGS Taiwan Logo

**TÜV Rheinland**

Prüfbericht - Nr.: 0114050514a 002 Seite 1 von 2

Auftraggeber: JER-YEU INDUSTRIAL CO., LTD. NO. 367, SEC. 3, ZHONGSHAN RD., TAINI DIST., TAICHUNG CITY 42749, TAIWAN, R.O.C.

Objekt: 1. silicon, white

Bezeichnung: SILICONE FOOD HOSE (PVC 0.48/0.7)

Auftragszustand: apparent good Engingdatum: 2016-05-20

Prüfungsort: TÜV Rheinland Hong Kong Ltd.

Prüfungsmethode: Testing according to customer's specification for the following parameters: FDA, Cr(VI), PBBs, PBDEs

Prüfungsergebnis: The test results are the measurements stated in the test report.

geprüft/checked by: Anne Chen

2016-05-20

2016-05-20

SGS Taiwan Logo

**Bureau Veritas Consumer Product Services**

Germany GmbH

Member of the Bureau Veritas Group

Report No.: 15TH0226 Rev.1, page 4 of 4

4 Performance of tests and results

4.1 Surface resistance test of parts of enclosures of non-metallic materials according to EN 13463-3.8

The TPV HOSE was tested according to the regulations of EN 13463-3.8 subchapter 3.8.8 for surface resistance test of parts of enclosures of non-metallic materials. The tests were carried out on 2016/05/02.

Test equipment: Insulation tester, Cossen Metravolt, Metro D500 (BV No. 1112, next cat. 0178)

Conditions 24 h before and during the test: -Temperature: 23°C -Relative humidity: 31%

Test voltage: 500 Vdc

Test duration: 1 min

Surface resistance: 2.80 kΩ

Test result: Pass

5 Final result

The TPV HOSE has a resistance of 2.80 kΩ, as it has passed the surface resistance test according to EN 13463-3.8.

SGS Taiwan Logo

**SGS**

測試報告

Test Report No. CT201610675 Date: 2016/03/29 Page: 1 of 3

JER-YEU INDUSTRIAL CO., LTD. NO. 367, SEC. 3, ZHONGSHAN RD., TAINI DIST., TAICHUNG HSIEN, TAIWAN

The following sample(s) was/were submitted and identified by/on behalf of the applicant as:

Sample Description: 1. PVC BRANDED HOSE

Sample Material: PVC

Country of Origin: TAIWAN

Sample Receiving Date: 2016/03/18

Testing Period: 2016/03/18 to 2016/03/29

Test Requested: 1. As specified by client, with reference to U.S. Food and Drug Administration (FDA) 21 CFR 175.300 (Condition of use E) to conduct test. Please refer to result table for testing item(s).

Test Result(s): 1. Please refer to next page(s).

SGS Taiwan Logo

**SGS**

Test Report No. CT201610675 Date: 2016/03/29 Page: 1 of 3

JER-YEU INDUSTRIAL CO., LTD. NO. 367, SEC. 3, ZHONGSHAN RD., TAINI DIST., TAICHUNG CITY, 42749 TAIWAN

The following sample(s) was/were submitted and identified by/on behalf of the applicant as:

Sample Submitted By: JER-YEU INDUSTRIAL CO., LTD.

Sample Description: PVC BRANDED HOSE

Sample Material: PVC

Manufacturer/Vendor: JER-YEU INDUSTRIAL CO., LTD.

Country of Origin: TAIWAN

Sample Receiving Date: 2016/03/18

Testing Period: 2016/03/18 to 2016/03/29

Test Requested: 1. As specified by client, with reference to U.S. Food and Drug Administration (FDA) 21 CFR 175.300 (Condition of use E) to conduct test. Please refer to result table for testing item(s).

Test Result(s): 1. Please refer to next page(s).

SGS Taiwan Logo

**SGS**

TEST REPORT

Mechanical & Hardgoods Laboratory Report No.: HL30277A/2016

Page: 1 of 2 Date: MAR. 18, 2016

JER-YEU INDUSTRIAL CO., LTD. NO.367, Sec.3, Zhongshan Rd., Taini Dist., Taichung City, 42749 Taiwan

The following merchandise was submitted and identified by/on behalf of the applicant as:

Product Description: PTFE AIR HOSE

Manufacturer/Vendor: JER-YEU INDUSTRIAL CO., LTD.

Country of Origin: Taiwan

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Requested: High Temperature Test

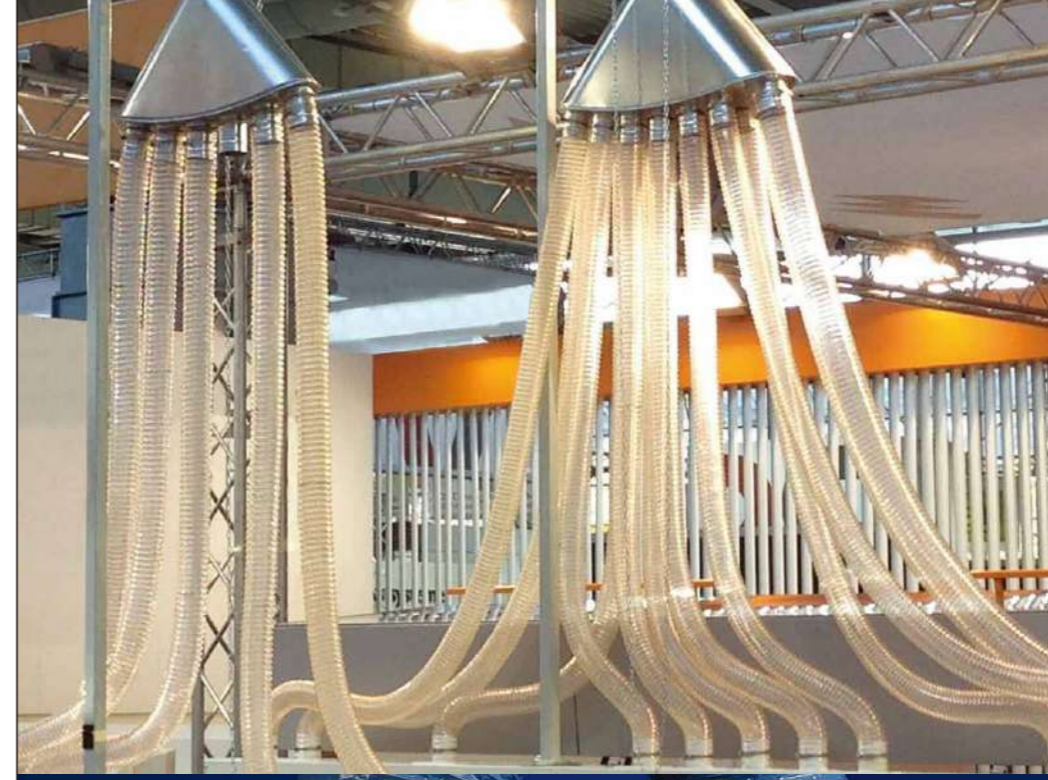
Test Method & Result: ---See following sheet(s)---

Date of Receipt: Mar. 11, 2016

Testing Period: Mar. 11, 2016 - Mar. 18, 2016

Signed for and on behalf of SGS Taiwan Ltd. Sun Huang

SGS Taiwan Logo



## FLEXIBLE DUCTING HOSES

- Woodworking
- Welding Fume
- Electronics
- Dust Collection
- Air Prevention



### J 1-1 PVC FLEX HOSE



- Applications:**
- for powdery solids such as dust, powder and fibre
  - for gaseous media such as vapor and smoke
  - for air conditioning and ventilation technology
- Construction:**
- spring steel wire integrated in wall
- Material:**
- wall: high-grade soft PVC
  - spiral: spring steel wire
- Standard Color:**
- grey and transparent
- Properties:**
- good resistance to alkalis and acids
  - good resistance to chemicals
  - capable of electrostatic discharge by grounding the spiral
  - compressible 3:1
  - flame-retardant according to UL94-HB
- Temperature Range:**
- 10 °C approx. to +70 °C approx.
  - short time to +80 °C approx.
- Specification:**
- ø 38 to ø 254 mm



I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
38	46	0.500	0.180	46	0.26	15	1-1-038-000
51	59	0.400	0.150	59	0.30	15	1-1-051-000
60	69	0.350	0.120	60	0.32	15	1-1-060-000
63	72	0.300	0.100	72	0.33	15	1-1-063-000
76	85	0.270	0.080	85	0.40	15	1-1-076-000
80	89	0.250	0.070	89	0.45	15	1-1-080-000
90	99	0.230	0.060	99	0.48	15	1-1-090-000
102	110	0.200	0.050	110	0.57	15	1-1-102-000
120	129	0.170	0.040	129	0.73	15	1-1-120-000
127	135	0.160	0.030	135	0.77	15	1-1-127-000
140	149	0.150	0.030	149	0.84	15	1-1-140-000
152	160	0.140	0.030	160	0.90	15	1-1-152-000
160	169	0.130	0.030	169	0.97	15	1-1-160-000
178	187	0.120	0.030	187	1.15	15	1-1-178-000
203	213	0.100	0.025	213	1.30	15	1-1-203-000
230	239	0.090	0.020	239	1.60	15	1-1-230-000
254	263	0.080	0.010	263	2.00	15	1-1-254-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

### J 1-2 PU L FLEX HOSE



- Applications:**
- for abrasive solids such as dust, powder, fibre and chip
  - for industrial air movement and fume control
  - for extraction arms and dust collection equipment
  - for CNC machine
- Construction:**
- spring steel wire integrated in wall
  - wall thickness 0.4 mm approx.
- Material:**
- wall: ester-polyurethane
  - spiral: spring steel wire
- Standard Color:**
- transparent
- Properties:**
- good resistance to chemical, and ozone
  - small bending radius
  - gas and liquid tight
  - abrasion-proof
  - excellent compressible 3:1
  - capable of electrostatic discharge by grounding the spiral
  - good tensile
- Temperature Range:**
- 40 °C approx. to +90 °C approx.
  - short time to +125 °C approx.
- Specification:**
- ø 51 to ø 305 mm



I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
51	59	0.700	0.240	59	0.27	15	1-2-051-000
60	68	0.560	0.210	68	0.31	15	1-2-060-000
63	71	0.550	0.180	71	0.34	15	1-2-063-000
76	84	0.470	0.130	84	0.44	15	1-2-076-000
80	88	0.430	0.120	88	0.47	15	1-2-080-000
90	98	0.390	0.100	98	0.49	15	1-2-090-000
102	110	0.350	0.080	110	0.52	15	1-2-102-000
110	118	0.310	0.080	118	0.57	15	1-2-110-000
114	122	0.300	0.070	122	0.59	15	1-2-114-000
120	128	0.290	0.070	128	0.62	15	1-2-120-000
127	135	0.280	0.060	135	0.64	15	1-2-127-000
140	148	0.250	0.050	148	0.72	15	1-2-140-000
152	160	0.170	0.050	160	0.76	15	1-2-152-000
160	168	0.160	0.040	168	0.81	15	1-2-160-000
178	186	0.140	0.040	186	0.89	15	1-2-178-000
203	211	0.130	0.030	211	1.10	15	1-2-203-000
254	262	0.100	0.015	262	1.30	10	1-2-254-000
305	313	0.090	0.010	313	1.70	10	1-2-305-000

Delivery Variants: customer-specific product marking, further diameters and lengths available on request

### J 1-3 PU M FLEX HOSE



- Applications:**
- for abrasive solids such as dust, powder, fibre and chip
  - for industrial air movement and fume control
  - for extraction arms and dust collection equipment
  - for CNC machine
- Construction:**
- spring steel wire integrated in wall
  - wall thickness 0.6 mm approx.
- Material:**
- wall: ester-polyurethane
  - spiral: spring steel wire
- Standard Color:**
- transparent
- Properties:**
- good resistance to chemicals
  - small bending radius
  - gas and liquid tight
  - abrasion-proof
  - compressible 3:1
  - capable of electrostatic discharge by grounding the spiral
  - flame-retardant according to UL94-HB
- Temperature Range:**
- 40 °C approx. to +90 °C approx.
  - short time to +125 °C approx.
- Specification:**
- ø 25 to ø 305 mm



I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
25	32	1.600	0.360	32	0.17	20	1-3-025-000
32	39	1.260	0.340	39	0.20	20	1-3-032-000
38	46	1.170	0.390	46	0.23	20	1-3-038-000
51	59	0.910	0.312	59	0.32	15	1-3-051-000
60	68	0.728	0.273	68	0.39	15	1-3-060-000
63	71	0.715	0.234	71	0.40	15	1-3-063-000
76	84	0.611	0.169	84	0.53	15	1-3-076-000
80	88	0.559	0.156	88	0.56	15	1-3-080-000
90	98	0.507	0.130	98	0.59	15	1-3-090-000
102	110	0.455	0.104	110	0.62	15	1-3-102-000
114	122	0.390	0.091	122	0.70	15	1-3-114-000
120	128	0.377	0.091	128	0.74	15	1-3-120-000
127	135	0.364	0.078	135	0.77	15	1-3-127-000
140	148	0.325	0.065	148	0.86	15	1-3-140-000
152	160	0.221	0.065	160	0.91	15	1-3-152-000
160	168	0.208	0.052	168	0.97	15	1-3-160-000
178	186	0.182	0.052	186	1.07	15	1-3-178-000
203	211	0.169	0.039	211	1.32	15	1-3-203-000
254	262	0.130	0.020	262	1.56	10	1-3-254-000
305	313	0.117	0.013	313	2.04	10	1-3-305-000

Delivery Variants: customer-specific product marking, further diameters and lengths available on request

### J 1-10 PE FLEX HOSE



- Applications:**
- Suction and blast hose, especially suitable:
- for the food, pharmacy and chemical industry
  - for vacuum cleaners
  - for aggressive solids such as dust, powder and fibres
  - for aggressive gaseous media such as vapors and smoke
  - for de-dusting and suction plants
- Material:**
- wall: special polyethylene(PE)
  - spiral: spring steel wire
- Properties:**
- anti-stick
  - highly flexible and compressible
  - good resistance to mineral oils, alkalis, and acids
  - extremely good resistance to chemicals
  - small bending radius
  - food quality complied with FDA
  - capable of electro-static discharge
- Temperature Range:**
- 35°C approx. to +80°C approx.
- Specification:**
- ø 51 to ø 160 mm



I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Stock Lengths m	Order No.
51	59	0.369	0.240	58	10	1-10-051-000
60	68	0.305	0.190	68	10	1-10-060-000
63	71	0.285	0.170	73	10	1-10-063-000
76	84	0.250	0.130	83	10	1-10-076-000
90	98	0.200	0.100	98	10	1-10-090-000
102	110	0.185	0.080	108	10	1-10-102-000
110	118	0.170	0.075	118	10	1-10-110-000
115	123	0.160	0.070	123	10	1-10-115-000
120	128	0.155	0.070	128	10	1-10-120-000
127	135	0.150	0.055	133	10	1-10-127-000
140	148	0.135	0.050	148	10	1-10-140-000
152	160	0.125	0.050	158	10	1-10-152-000
160	168	0.115	0.045	168	10	1-10-160-000

Delivery Variants: customer-specific product marking, further diameters and lengths available on request

## J 1-4 PVC FABRIC AIR HOSE

**Applications:**

- for welding gas extraction
- air conditioning and ventilation of fumes, light duty dust extraction, and air movement

**Construction:**

- spring steel wire integrated in wall
- fabric-reinforced wall
- wall thickness 0.35 mm approx.

**Material:**

- wall: PVC coated fabric
- spiral: spring steel wire

**Standard color:**

- grey, black and blue

**Properties:**

- highly flexible and compressible 6:1
- fabric reinforced
- good resistance to alkalis and acids
- good resistance to chemicals, UV and ozone
- capable of electrostatic discharge by grounding the spiral
- flame-retardant according to UL94-V2

**Temperature Range:**

- -10 °C approx. to +80 °C approx.
- short time to +100 °C approx.

**Specification:**

- ø 38 to ø 406 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
38	48	0.280	0.170	48	0.17	10	1-4-038-000
51	60	0.240	0.150	60	0.18	10	1-4-051-000
63	72	0.200	0.120	72	0.20	10	1-4-063-000
76	85	0.160	0.080	85	0.23	10	1-4-076-000
80	89	0.150	0.070	89	0.25	10	1-4-080-000
90	99	0.140	0.060	99	0.29	10	1-4-090-000
102	111	0.120	0.050	111	0.32	10	1-4-102-000
114	123	0.110	0.045	123	0.38	10	1-4-114-000
127	136	0.100	0.035	136	0.42	10	1-4-127-000
140	149	0.090	0.033	149	0.45	10	1-4-140-000
152	161	0.080	0.032	161	0.55	10	1-4-152-000
160	169	0.075	0.025	169	0.65	10	1-4-160-000
178	187	0.070	0.020	187	0.75	10	1-4-178-000
203	212	0.060	0.020	212	0.86	10	1-4-203-000
254	263	0.050	0.010	263	1.20	10	1-4-254-000
305	314	0.040	0.006	314	1.30	10	1-4-305-000
355	364	0.035	0.006	364	1.70	10	1-4-355-000
406	415	0.030	0.006	415	0.27	10	1-4-406-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

## J 1-8 ALUMINUM FOIL AIR HOSE 2PLY

**Applications:**

- exhaust air ventilation

**Construction:**

- two ply aluminum foil clamped into spring steel wire

**Material:**

- wall: aluminum foil
- spiral: spring steel wire

**Standard Color:**

- silver

**Properties:**

- axially compressible
- small bending radius
- very good low temperature flexibility
- kink-proof

**Temperature Range:**

- -20 °C approx. to + 100 °C approx.

**Specification:**

- ø 50 to ø 300 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Stock Lengths m	Order No.
50	57	0.24	0.015	10	1-8-050-000
63	70	0.20	0.013	10	1-8-063-000
76	83	0.16	0.013	10	1-8-076-000
100	107	0.12	0.012	10	1-8-100-000
125	132	0.10	0.010	10	1-8-125-000
150	157	0.08	0.007	10	1-8-150-000
200	207	0.06	0.006	10	1-8-200-000
250	258	0.05	0.024	10	1-8-250-000
275	283	0.04	0.024	10	1-8-275-000
300	308	0.04	0.024	10	1-8-300-000

Delivery Variants: customer-specific product marking, diameters and lengths available on request

## J 1-5 PP AIR HOSE

**Applications:**

- ventilation for various kinds of equipment
- spring steel wire integrated in wall
- heavily corrugated and capable of axial compression into fixed position

**Material:**

- wall: PP
- spiral: spring steel wire

**Standard color:**

- ivory and black

**Properties:**

- good resistance to alkalis and acids
- good resistance to chemicals
- good resistance to UV and ozone

**Temperature Range:**

- -20 °C approx. to +80 °C approx.

**Specification:**

- ø 25 to ø 254 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
25	32	0.700	0.250	35	0.10	5	1-5-025-000
32	38	0.650	0.220	42	0.13	5	1-5-032-000
38	46	0.580	0.190	50	0.15	5	1-5-038-000
51	59	0.430	0.160	64	0.19	5	1-5-051-000
63	73	0.350	0.120	80	0.24	5	1-5-063-000
76	85	0.300	0.100	93	0.30	5	1-5-076-000
90	100	0.250	0.070	110	0.36	5	1-5-090-000
102	112	0.230	0.060	120	0.40	5	1-5-102-000
127	137	0.180	0.040	148	0.52	5	1-5-127-000
152	162	0.160	0.036	176	0.80	5	1-5-152-000
203	213	0.120	0.028	230	1.10	5	1-5-203-000
254	264	0.090	0.011	286	1.56	5	1-5-254-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

## J 5-1 TPE FLEX HOSE

**Applications:**

- for powdery solids such as dust, powder and fibre
- for gaseous media such as vapor and smoke
- for steam extraction
- as conductor of hot and cold air
- for blowers and compressors

**Construction:**

- spiral: spring steel wire integrated in wall

**Material:**

- wall: thermo-plastic rubber (TPE)

**Standard Color:**

- black

**Properties:**

- excellent price to performance ratio ( patented process, low cost and robust to transport, minimal storage space )

- good resistance to alkalis, acids and chemicals
- small bending radius

- capable of electrostatic discharge by grounding the spiral

**Temperature Range:**

- -40 °C approx. to +100 °C approx.

- short time to +125 °C approx.

**Specification:**

- ø 25 to ø 305 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
25	32	0.350	0.170	32	0.12	15	5-1-025-000
32	39	0.300	0.160	39	0.14	15	5-1-032-000
38	45	0.300	0.160	45	0.16	15	5-1-038-000
51	59	0.270	0.130	58	0.23	15	5-1-051-000
60	68	0.230	0.110	68	0.27	15	5-1-060-000
63	71	0.210	0.090	71	0.28	15	5-1-063-000
76	84	0.180	0.070	84	0.33	15	5-1-076-000
80	88	0.170	0.065	88	0.36	15	5-1-080-000
90	98	0.150	0.055	98	0.44	15	5-1-090-000
102	110	0.140	0.045	108	0.55	15	5-1-102-000
114	122	0.115	0.040	122	0.58	15	5-1-114-000
120	128	0.110	0.040	128	0.61	15	5-1-120-000
127	135	0.105	0.030	133	0.66	15	5-1-127-000
140	148	0.095	0.030	148	0.73	15	5-1-140-000
152	160	0.090	0.030	158	0.79	15	5-1-152-000
160	168	0.085	0.025	168	0.83	15	5-1-160-000
178	186	0.075	0.020	186	0.94	15	5-1-178-000
203	211	0.060	0.020	211	1.10	15	5-1-203-000
254	262	0.040	0.015	262	1.30	10	5-1-254-000
305	313	0.010	0.010	313	1.80	10	5-1-305-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

### J 3-3 PVC RIGID BEND DUCTING HOSE



#### Applications:

- for air, fume extraction and liquid supply under low pressure
- for conveyance of powder, granules and dust extraction
- for wood dust extraction
- portable air conditioner venting hose

#### Construction:

- interlocking rigid PVC profile by rigid PVC

#### Material:

- rigid PVC

#### Standard Color:

- grey and black



#### Properties:

- self-supporting
- simple increase or reduction of size
- jointing of lengths
- good resistance to acids, alkalis, and chemicals
- maintain shape
- flame-retardant according to UL94-HB

#### Temperature Range:

- -10 °C approx. to +60 °C approx.

#### Specification:

- ø 51 to ø 200 mm

I.D. mm	O.D. mm	Stock Lengths m	Order No.
51	57	5	3-3-051-000
65	71	5	3-3-065-000
75	82	5	3-3-075-000
90	97	5	3-3-090-000
100	107	5	3-3-100-000
125	133	5	3-3-125-000
150	158	5	3-3-150-000
200	208	5	3-3-200-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

### J 3-2 EVA HOSE



#### Applications:

- for domestic and industrial vacuum cleaners
- for cleaning of swimming pools

#### Construction:

- self-supporting profile construction
- open profile geometry

#### Material:

- wall: EVA

#### Standard Color:

- black



#### Properties:

- good resistance to alkalis and acids
- good resistance to UV and ozone
- gas and liquid tight
- crush-proof

#### Temperature Range:

- -45 °C approx. to +65 °C approx.

#### Specification:

- ø 25 to ø 50 mm

I.D. mm	O.D. mm	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
25	32.2	0.500	66	0.15	20	3-2-025-000
32	40.4	0.500	82	0.24	20	3-2-032-000
38	47.2	0.500	93	0.31	20	3-2-038-000
45	55.0	0.500	111	0.37	20	3-2-045-000
50	60.4	0.500	121	0.44	20	3-2-050-000

Delivery Variants: customer-specific product marking, further diameters and lengths available on request

### J 1-9 PVC FIBRE GLASS HOSE



#### Applications:

- for welding fume, gas, vapor and dust
- for explosive environment

#### Construction:

- spring steel wire integrated in wall
- fibre glass reinforced wall
- wall thickness 0.35 mm approx.

#### Material:

- wall: PVC + fibre glass
- spiral: spring steel wire

#### Standard color:

- dark grey



#### Properties:

- highly flexible and compressible 6:1
- good resistance of flame and heat
- good resistance to alkalis and acids
- good resistance to chemicals
- good resistance to UV and ozone
- capable of electrostatic discharge by grounding the spiral
- flame-retardant according to UL94-V0

#### Temperature Range:

- -20 °C approx. to +100 °C approx.
- short time to +120 °C approx.

#### Specification:

- ø 51 to ø 406 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
51	60	0.240	0.150	60	0.18	6	1-9-051-000
63	72	0.200	0.120	72	0.20	6	1-9-063-000
76	85	0.160	0.080	85	0.23	6	1-9-076-000
80	89	0.150	0.070	89	0.25	6	1-9-080-000
90	99	0.140	0.060	99	0.29	6	1-9-090-000
102	111	0.120	0.050	111	0.32	6	1-9-102-000
114	123	0.110	0.045	123	0.38	6	1-9-114-000
127	136	0.100	0.035	136	0.42	6	1-9-127-000
140	149	0.090	0.033	149	0.45	6	1-9-140-000
152	161	0.080	0.032	161	0.55	6	1-9-152-000
160	169	0.075	0.025	169	0.65	6	1-9-160-000
178	187	0.070	0.020	187	0.75	6	1-9-178-000
203	212	0.060	0.020	212	0.86	6	1-9-203-000
254	263	0.050	0.010	263	1.20	6	1-9-254-000
305	314	0.040	0.006	314	1.30	6	1-9-305-000
355	364	0.035	0.006	364	1.70	6	1-9-355-000
406	415	0.030	0.006	415	2.70	6	1-9-406-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

### J 3-6 PVC FLEX SUPERELASTIC HOSE



#### Applications:

- Suction and blast hose, especially suitable:
- for solids such as dust, powder and fibre
- for gaseous and liquid media
- for domestic and industrial vacuum cleaners, building drying and welding gas extraction

#### Construction:

- wall: soft PVC with fibre reinforcement
- spiral: plastic coated spring steel wire

#### Material:

- PVC coated fibre
- spring steel wire

#### Standard color:

- black



#### Properties:

- good resistance to alkalis and acids
- good resistance to UV and ozone
- small bending radius
- capable of electrostatic discharge (according to BGR 132, formerly ZH 1/200) by grounding the spiral

#### Temperature Range:

- 0 °C approx. to + 85 °C approx.

#### Specification:

- ø 32 to ø 102 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
32	38	1.500	0.200	32	0.28	15	3-6-032-000
38	44	1.400	0.200	38	0.34	15	3-6-038-000
41	47	1.400	0.180	41	0.37	15	3-6-041-000
44	50	1.300	0.160	44	0.38	15	3-6-044-000
51	57	1.300	0.150	51	0.46	15	3-6-051-000
63	69	1.000	0.140	62	0.53	15	3-6-063-000
76	82	0.800	0.100	76	0.68	10	3-6-076-000
80	86	0.700	0.090	80	0.83	10	3-6-080-000
89	95	0.700	0.090	89	0.93	10	3-6-089-000
102	108	0.600	0.080	102	1.00	10	3-6-102-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

FOOD AND PHARMACEUTICAL INDUSTRY



J 8-1 PU L MHF FLEX HOSE



**Applications:**

- suitable for moist workplace
- for abrasive solids such as dust, powder, fibre and chip
- for extraction arms and dust collection equipments
- for CNC machine

**Construction:**

- spring steel wire integrated in wall
- wall thickness 0.4 mm approx.

**Material:**

- wall: ether-polyurethane
- spiral: spring steel wire

**Standard Color:**

- transparent



**Properties:**

- microbe and hydrolysis resistant
- food quality complied with FDA
- efficient flow characteristics
- maximum flexibility and abrasion resistance
- good resistance to UV and ozone
- small bending radius
- gas and liquid tight
- excellent compressibility 3:1
- capable of electrostatic discharge by grounding the spiral

**Temperature Range:**

- -40 °C approx. to +90 °C approx.
- short time to +125 °C approx.

**Specification:**

- ø 51 to ø 305 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
51	59	0.700	0.240	59	0.32	15	8-1-051-000
60	68	0.650	0.210	68	0.39	15	8-1-060-000
63	71	0.550	0.180	71	0.40	15	8-1-063-000
76	84	0.470	0.130	84	0.53	15	8-1-076-000
80	88	0.430	0.120	88	0.56	15	8-1-080-000
90	98	0.390	0.100	98	0.59	15	8-1-090-000
102	110	0.350	0.080	110	0.62	15	8-1-102-000
110	118	0.310	0.080	118	0.57	15	8-1-110-000
114	122	0.300	0.070	122	0.70	15	8-1-114-000
120	128	0.290	0.070	128	0.74	15	8-1-120-000
127	135	0.280	0.060	135	0.77	15	8-1-127-000
140	148	0.250	0.050	148	0.86	15	8-1-140-000
152	160	0.170	0.050	160	0.91	15	8-1-152-000
160	168	0.160	0.040	168	0.97	15	8-1-160-000
178	186	0.140	0.040	186	1.07	15	8-1-178-000
203	211	0.130	0.030	211	1.32	15	8-1-203-000
254	262	0.100	0.015	262	1.56	10	8-1-254-000
305	313	0.090	0.010	313	2.04	10	8-1-305-000

Delivery Variants: customer-specific product marking, further diameters and lengths available on request

J 8-2 PU M MHF FLEX HOSE



**Applications:**

- suitable for moist workplace
- for abrasive solids such as dust, powder, fibre and chip
- for extraction arms and dust collection equipments
- for CNC machine

**Construction:**

- spring steel wire integrated in wall
- wall thickness 0.6 mm approx.

**Material:**

- wall: ether-polyurethane
- spiral: spring steel wire

**Standard color:**

- transparent



**Properties:**

- microbe and hydrolysis resistant
- food quality complied with FDA
- efficient flow characteristics
- maximum flexibility and abrasion resistance
- good resistance to UV and ozone
- small bending radius
- gas and liquid tight
- excellent compressibility 3:1
- capable of electrostatic discharge by grounding the spiral

**Temperature Range:**

- -40 °C approx. to +90 °C approx.
- short time to +125 °C approx.

**Specification:**

- ø 25 to ø 305 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
25	32	1.300	0.340	32	0.17	20	8-2-025-000
32	39	1.100	0.320	39	0.20	20	8-2-032-000
38	46	0.900	0.300	46	0.23	20	8-2-038-000
51	59	0.700	0.240	59	0.32	15	8-2-051-000
60	68	0.650	0.210	68	0.39	15	8-2-060-000
63	71	0.550	0.180	71	0.40	15	8-2-063-000
76	84	0.470	0.130	84	0.53	15	8-2-076-000
80	88	0.430	0.120	88	0.56	15	8-2-080-000
90	98	0.390	0.100	98	0.59	15	8-2-090-000
102	110	0.350	0.080	110	0.62	15	8-2-102-000
114	122	0.300	0.070	122	0.70	15	8-2-114-000
120	128	0.290	0.070	128	0.74	15	8-2-120-000
127	135	0.280	0.060	135	0.77	15	8-2-127-000
140	148	0.250	0.050	148	0.86	15	8-2-140-000
152	160	0.170	0.050	160	0.91	15	8-2-152-000
160	168	0.160	0.040	168	0.97	15	8-2-160-000
178	186	0.140	0.040	186	1.07	15	8-2-178-000
203	211	0.130	0.030	211	1.32	15	8-2-203-000
254	262	0.100	0.015	262	1.56	10	8-2-254-000
305	313	0.090	0.010	313	2.04	10	8-2-305-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

## J 2-7 PU L SUCTION HOSE

**Applications:**

- for abrasive solids such as dust, powder, fibre, chip, and granules
- for de-dusting and suction plant, industrial vacuum cleaners, suction of paper and textile fibre

**Construction:**

- spring steel wire integrated in wall
- wall thickness 0.9mm approx.

**Material:**

- wall: special premium ether-polyurethane
- spiral: spring steel wire

**Standard Color:**

- transparent

**Properties:**

- highly abrasion-proof
- smooth interior
- high tensile strength and tear resistant
- microbe and hydrolysis resistant
- good resistance to chemicals
- good resistance to UV and ozone
- small bending radius
- gas and liquid tight
- capable of electrostatic discharge by grounding the spiral
- electrical and surface resistance  $\leq 10^{10} \Omega$

**Temperature Range:**

- -40°C approx. to +90°C approx.
- short time to +125°C approx.

**Specification:**

- $\varnothing$  32 to  $\varnothing$  254 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Weight kg/m	Stock Lengths m	Order No.
32	39	2.120	0.460	0.28	15	2-7-032-000
38	45	1.795	0.430	0.32	15	2-7-038-000
51	58	1.370	0.365	0.41	15	2-7-051-000
60	67	1.150	0.285	0.49	15	2-7-060-000
63	70	1.050	0.205	0.52	15	2-7-063-000
76	84	0.920	0.195	0.63	15	2-7-076-000
90	98	0.770	0.155	0.75	15	2-7-090-000
102	110	0.685	0.115	0.97	15	2-7-102-000
114	122	0.605	0.105	1.11	15	2-7-114-000
120	128	0.580	0.105	1.16	15	2-7-120-000
127	135	0.560	0.085	1.22	15	2-7-127-000
140	148	0.495	0.085	1.34	15	2-7-140-000
152	160	0.460	0.075	1.52	15	2-7-152-000
178	186	0.385	0.055	1.81	15	2-7-178-000
203	211	0.350	0.050	2.00	15	2-7-203-000
254	262	0.280	0.020	2.39	10	2-7-254-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

## J 4-4 SILICONE FOOD HOSE

**Applications:**

- ideal for product transfer in pharmaceutical, cosmetic, biotech and food industry
- suitable for cleaning and disinfecting

**Construction:**

- stainless steel spiral integrated in wall
- wall thickness 3.5 mm approx

**Material:**

- wall: silicone + fibre
- spiral: stainless steel wire

**Standard Color:**

- transparent exterior; white interior

**Properties:**

- robust
- smooth interior and corrugated exterior
- food grade
- good flow characteristics
- food quality complied with FDA

**Temperature Range:**

- -70 °C approx. to +260 °C approx.
- short time to +280 °C approx.

**Specification:**

- $\varnothing$  38 to  $\varnothing$  152 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Stock Lengths m	Order No.
38	46	4.300	1.107	4	4-4-038-000
40	48	4.300	1.100	4	4-4-040-000
45	63	4.100	0.900	4	4-4-045-000
51	59	4.000	0.811	4	4-4-051-000
63	71	3.700	0.717	4	4-4-063-000
76	84	3.400	0.700	4	4-4-076-000
80	88	3.300	0.670	4	4-4-080-000
83	91	3.300	0.670	4	4-4-083-000
89	97	3.200	0.650	4	4-4-089-000
102	110	3.100	0.620	4	4-4-102-000
114	122	2.700	0.570	4	4-4-114-000
120	128	2.900	0.546	4	4-4-120-000
127	135	2.900	0.400	4	4-4-127-000
152	160	2.800	0.358	4	4-4-152-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

## J 2-4 PVC HOSE

**Applications:**

- widely applicable to discharge and suction of fluid, gas, oil, and dust in agricultural pump, oil warehouse, petrochemical equipment, engineering, mine and food industry

**Construction:**

- spring steel wire spiral embedded in wall
- wall: smooth interior and exterior

**Material:**

- wall: soft PVC
- spiral: spring steel wire

**Standard Color:**

- transparent

**Properties:**

- high visibility of the fluid conveyance and easy in control of flow rate
- very high pressure, vacuum and compression resistance
- good resistant to UV, ozone and chemical
- crystal clear and smoothy
- flame-retardant according to UL94-HB
- food quality complied with FDA

**Temperature Range:**

- -20 °C approx. to +70 °C approx.
- short time to +80 °C approx.

**Specification:**

- $\varnothing$  9 to  $\varnothing$  63 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
9	15	7.000	0.850	17	0.15	100	2-4-009-000
12	18	6.000	0.850	23	0.18	100	2-4-012-000
15	23	6.000	0.850	30	0.25	100	2-4-015-000
19	25	5.000	0.850	32	0.32	100	2-4-019-000
25	32	5.000	0.850	42	0.50	50	2-4-025-000
32	41	4.000	0.850	64	0.65	50	2-4-032-000
38	48	4.000	0.850	76	0.80	40	2-4-038-000
45	55	4.000	0.800	89	1.10	40	2-4-045-000
51	61	4.000	0.800	100	1.24	40	2-4-051-000
60	72	3.600	0.800	170	1.70	20	2-4-060-000
63	75	3.600	0.800	170	1.80	20	2-4-063-000

Delivery Variants: customer-specific product marking, further diameters and lengths available on request

## J 3-5 PE FOOD HOSE

**Applications:**

- suction and transport hose for food and pharmaceutical industries
- for chemical industry
- available for water, acetic acid, soy sauce, oil, ethanol (20%), etc.
- for gaseous and liquid media
- for solids such as dust, powder, fibre, chip and granules
- for vacuum cleaners, conveying systems, blowers and compressors

**Construction:**

- wall: special polyethylene (PE)
- wall thickness 0.8 mm approx.
- spiral: hard plastic

**Properties:**

- smooth interior
- food grade wall
- optimized flow properties
- good resistance to alkalis and acids
- extremely good resistance to chemicals
- odorless and tasteless
- food quality complied with FDA
- Testing as per Commission Regulation

**Temperature Range:**

- -20 °C approx. to +60 °C approx.

**Specification:**

- $\varnothing$  32 to  $\varnothing$  76 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
32	39	0.600	0.200	32	0.27	20	3-5-032-000
38	45	0.600	0.200	38	0.30	20	3-5-038-000
51	59	0.500	0.200	50	0.43	20	3-5-051-000
63	71	0.400	0.160	63	0.54	20	3-5-063-000
76	84	0.400	0.160	76	0.58	20	3-5-076-000

Delivery Variants: customer-specific product marking, further diameters and lengths available on request

## J 7-1 PVC BRAIDED HOSE



### Applications:

- pressure hose, for compressed air
- for gaseous and liquid media
- for conveying gas and liquid in food and pharmaceutical industry

### Construction:

- fabric reinforced wall
- smooth interior and exterior wall

### Material:

- wall: soft PVC



### Properties:

- cadmium free
- food quality complied with FDA
- good resistance to alkalis, acids, UV, ozone and chemicals
- small bending radius
- gas and liquid tight

### Temperature Range:

- -10 °C approx. to +60 °C approx.

### Specification:

- ø 6 to ø 38 mm

I.D. mm	O.D. mm	Working Pressure kgf/cm <sup>2</sup>	Stock Lengths m	Order No.
6	11	10	100	7-1-001-000
8	13.5	10	100	7-1-002-000
9	15	10	100	7-1-003-000
12	18	8	100	7-1-004-000
15	22	8	100	7-1-005-000
19	26	6	50	7-1-006-000
25	33	6	50	7-1-007-000
32	40	5	50	7-1-008-000
38	47	5	50	7-1-009-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

## J 7-10 SILICONE BRAIDED HOSE



### Applications:

- pharmaceuticals
- food & beverages
- biotechnology
- cosmetics
- conveys liquids under pressure at high or low operating temperatures
- pneumatic application in sterile area

### Construction:

- fabric reinforced wall
- smooth interior and exterior wall

### Material:

- silicone

### Standard Color:

- transparent



### Properties:

- good stability
- anti-adhesive
- stress resistance
- high working pressure under high temperature
- good resistance to mineral oil, chemicals, UV and ozone
- odorless and tasteless
- food quality complied with FDA

### Temperature Range:

- -40 °C approx. to +200 °C approx.

### Specification:

- ø 5 to ø 25 mm

I.D. mm	O.D. mm	Working Pressure kgf/cm <sup>2</sup>	Stock Lengths m	Order No.
5	12	7	50	7-10-001-000
6.5	13.5	7	50	7-10-002-000
8	15	7	50	7-10-003-000
9.5	16.6	7	50	7-10-004-000
12.7	20	6	50	7-10-005-000
16	24	6	50	7-10-006-000
19	27	6	50	7-10-007-000
25	33	5	30	7-10-009-000

Delivery Variants: customer-specific product marking, further diameters and lengths available on request



## ABRASION RESISTANT SUCTION HOSES

3

Pressure Resistant  
Central Feeding System  
Machinery And Equipment  
Construction Vehicles



## J 2-5 PVC GRIT HOSE

**Applications:**

- shipyards and ships
- suction and discharge for sand, grains, gravel, cement and iron
- transfer of various powder and granules

**Construction:**

- wall: soft compound abrasion PVC + rubber
- spiral: hard PVC

**Material:**

- soft compound abrasion PVC and rigid PVC helix

**Properties:**

- highly abrasion-proof
- pressure resistant
- very robust
- flame-retardant according to UL94-HB

**Temperature Range:**

- -10 °C approx. to +60 °C approx.

**Specification:**

- ø 38 to ø 152 mm

I.D. mm	O.D. mm	Overpressure bar	Stock Lengths m	Order No.
38	52	7.000	20	2-5-038-000
51	68	6.000	20	2-5-051-000
63	80	6.000	20	2-5-063-000
76	98	6.000	20	2-5-076-000
102	130	5.000	20	2-5-102-000
127	158	4.000	15	2-5-127-000
152	183	3.000	15	2-5-152-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

## J 2-1 PU HOSE

**Applications:**

- for abrasive solids such as dust, powder, fibre, chip and granules
- for gaseous and liquid media
- for de-dusting and suction plant, industrial vacuum cleaners, suction of paper and textile fibre as resistant protection hose

**Construction:**

- hard plastic spiral integrated in wall

**Material:**

- wall: ester-polyurethane
- spiral: hard PVC

**Standard Color:**

- transparent

**Properties:**

- abrasion-proof
- smooth interior
- good resistance to alkalis, acids and chemicals
- small bending radius
- gas and liquid tight
- flame-retardant according to UL94-HB

**Temperature Range:**

- -20 °C approx. to +60 °C approx.
- short time to +80 °C approx.

**Specification:**

- ø 25 to ø 152 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
25	31	1.000	0.250	31	0.14	20	2-1-025-000
32	38	0.850	0.200	38	0.17	20	2-1-032-000
38	45	0.750	0.200	50	0.22	20	2-1-038-000
40	47	0.750	0.200	60	0.23	20	2-1-040-000
45	52	0.650	0.200	65	0.28	20	2-1-045-000
51	59	0.500	0.200	70	0.31	20	2-1-051-000
60	68	0.500	0.160	80	0.47	20	2-1-060-000
63	71	0.450	0.160	80	0.50	20	2-1-063-000
76	85	0.400	0.160	100	0.60	20	2-1-076-000
80	89	0.350	0.160	110	0.65	20	2-1-080-000
90	100	0.300	0.140	125	0.73	20	2-1-090-000
102	112	0.280	0.140	150	0.82	20	2-1-102-000
127	138	0.250	0.110	170	1.20	20	2-1-127-000
152	164	0.180	0.090	200	1.65	20	2-1-152-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

## J 2-2 PVC HOSE WITH ELECTRIC WIRE

**Applications:**

- ideal for suction and transportation for abrasive solids, such as wood chip, granules, oil and fuel
- for gaseous and liquid media
- for industrial vacuum cleaners, granulate conveying systems, printing machines, blowers and compressors as robust protection hose

**Construction:**

- wall: interior and exterior made by PVC
- spiral: hard PVC, copper grounding wire helix

**Material:**

- wall: PVC
- spiral: hard PVC and copper grounding wire

**Standard Color:**

- transparent

**Properties:**

- smooth interior
- increase pressure and vacuum resistance
- high axial strength
- good resistance to chemicals
- good resistance to UV and ozone
- gas and liquid tight
- capable of electrostatic discharge by grounding the spiral
- flame-retardant according to UL94-HB

**Temperature Range:**

- -20 °C approx. to +60 °C approx.
- short time to +80 °C approx.

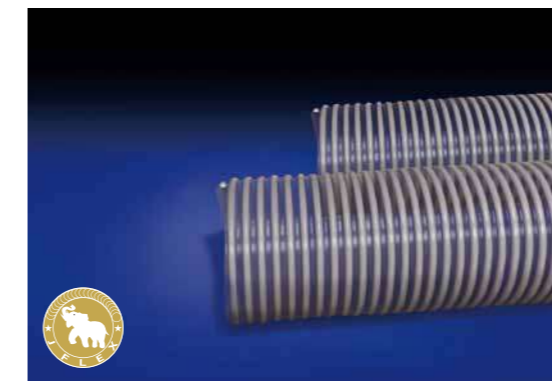
**Specification:**

- ø 32 to ø 102 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
32	40	5.000	0.700	170	0.53	30	2-2-032-000
38	46	5.000	0.700	182	0.59	30	2-2-038-000
40	48	5.000	0.700	195	0.62	30	2-2-040-000
51	60	5.000	0.700	235	0.88	30	2-2-051-000
60	69	5.000	0.700	275	1.13	30	2-2-060-000
63	72	5.000	0.700	290	1.46	30	2-2-063-000
76	85	4.000	0.700	340	1.94	30	2-2-076-000
90	99	4.000	0.700	420	2.30	30	2-2-090-000
102	112	5.000	0.700	470	1.06	30	2-2-102-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

## J 2-10 PVC HEAVY DUTY SUCTION HOSE

**Applications:**

- for water supply and drainage in emergency
- for sewer and sink cleaning
- for high pressure water and mud drainage system
- for gold dredger
- for fishing industry

**Construction:**

- wall: transparent PVC with anti-freezing agent
- spiral: grey hard PVC

**Material:**

- wall: PVC with anti-freezing agent
- spiral: hard PVC

**Standard Color:**

- semi-transparent

**Properties:**

- abrasion-proof
- smooth interior
- good weather resistance

**Temperature Range:**

- -10 °C approx. to +60 °C approx.

**Specification:**

- ø 153 to ø 254 mm

I.D. mm	O.D. mm	Working Pressure (20°C) bar	Vacuum (20°C) bar	Bending Radius mm	Stock Lengths M
153.4	169.9	1.38	0.48	305	3.5 / 6
204.8	225	0.69	0.41	610	3.5 / 6
254	276	0.56	0.34	900	3.5 / 6

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request



## J 3-1 PVC HOSE

**Applications:**

- indoor ventilation, air conditioning
- suction of metal sludge from metal processing machines
- air suction in dust collectors, factories, mines etc.
- transportation of powder, gas, liquid and granules
- dust suction for furniture and wood processing

**Construction:**

- wall made by soft PVC and spiral made by hard PVC helix

**Material:**

- wall: soft PVC
- spiral: hard PVC

**Standard Color:**

- grey

**Properties:**

- outer surface is corrugated, inner surface is smooth
- good resistance to chemicals
- flame-retardant according to UL94-HB

**Temperature Range:**

- -10 °C approx. to +60 °C approx.

**Specification:**

- ø 32 to ø 152 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
32	39	0.600	0.200	32	0.27	20	3-1-032-000
38	45	0.600	0.200	38	0.30	20	3-1-038-000
51	59	0.500	0.200	51	0.43	20	3-1-051-000
63	71	0.400	0.160	63	0.54	20	3-1-063-000
76	84	0.400	0.160	76	0.58	20	3-1-076-000
102	111	0.300	0.140	102	0.88	20	3-1-102-000
127	137	0.200	0.110	127	0.98	20	3-1-127-000
152	166	0.200	0.090	152	1.30	20	3-1-152-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

## J 2-6 PVC BRAIDED SUCTION HOSE

**Applications:**

- for conveying water and solids such as dust, powder, fibre and granules
- for high pressure engineering vehicles

**Construction:**

- wall: PVC + yarn
- spiral: hard PVC

**Properties:**

- smooth interior, fabric reinforced, and can afford high pressure
- food quality complied with FDA

**Temperature Range:**

- -10 °C approx. to +60 °C approx.

**Specification:**

- ø 25 to ø 203 mm

I.D. mm	O.D. mm	Pressure (MPa)		Weight kg/m	Stock Lengths m	Order No.
		Positive Pressure	Negative Pressure			
25	34	0.50	0.10	0.38	20	2-6-025-000
32	42	0.50	0.10	0.46	20	2-6-032-000
38	49	0.50	0.10	0.58	20	2-6-038-000
51	65	0.50	0.10	0.95	20	2-6-051-000
64	80	0.50	0.10	1.40	20	2-6-064-000
76	93	0.50	0.10	1.80	20	2-6-076-000
101	119	0.50	0.10	2.45	20	2-6-101-000
126	152	0.50	0.10	4.10	20	2-6-126-000
152	184	0.50	0.10	5.80	20	2-6-152-000
203	238	0.35	0.10	8.60	20	2-6-203-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

## J 2-8 PU H SUCTION HOSE

**Applications:**

- for high flow-rates of hot and abrasive solids such as powder, chip and granules
- for industrial vacuum cleaners, granule conveying systems, printing machines, blowers and compressors
- as robust protection hose

**Construction:**

- spring steel wire integrated in wall
- wall thickness 1.5mm approx.

**Material:**

- wall: special premium ester-polyurethane
- spiral: spring steel wire

**Standard color:**

- transparent

**Properties:**

- highly abrasion-proof
- smooth interior
- increased pressure and vacuum resistance
- high tensile strength and tear resistant
- good resistance to chemicals
- small bending radius
- gas and liquid tight
- capable of electrostatic discharge by grounding the spiral
- electrical and surface resistance  $\leq 10^{10} \Omega$

**Temperature Range:**

- -40 °C approx. to +90 °C approx.
- short time to +125 °C approx.

**Specification:**

- ø 32 to ø 203 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Stock Lengths m	Weight kg/m	Order No.
32	40	3.095	0.875	15	0.44	2-8-032-000
38	46	3.925	0.865	15	0.52	2-8-038-000
51	59	2.330	0.835	15	0.66	2-8-051-000
60	68	1.955	0.730	15	0.78	2-8-060-000
63	71	1.815	0.675	15	0.84	2-8-063-000
76	85	1.575	0.555	15	1.05	2-8-076-000
90	99	1.300	0.425	15	1.25	2-8-090-000
102	111	1.190	0.355	15	1.49	2-8-102-000
114	123	1.090	0.335	15	1.68	2-8-114-000
120	129	1.050	0.315	15	1.77	2-8-120-000
127	136	0.960	0.265	15	1.84	2-8-127-000
140	149	0.900	0.240	15	2.03	2-8-140-000
152	161	0.800	0.180	15	2.41	2-8-152-000
178	187	0.705	0.150	15	2.87	2-8-178-000
203	212	0.600	0.120	15	3.12	2-8-203-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

## J20-10 PVC S-AGRO SUCTION HOSE

**Applications:**

- for conveyance of powders, slurry and water in agriculture
- for conveying water in high pressure
- for seeder, slurry, irritation for farmland
- for engineering vehicles and pumps

**Construction:**

- Wall thickness: 3.5mm
- wall: soft PVC
- spiral: hard PVC

**Properties:**

- high visibility of the fluid conveyance and easy in control of flow rate
- smooth interior
- abrasion resistance

**Temperature Range:**

- -10 °C ~ +60 °C

I.D. mm	O.D. mm	Pressure (MPa)		Bending Radius mm	Stock Lengths m	Order No.
		Positive pressure	Negative pressure			
25	31	0.40	-0.10	150	20	20-10-025-000
32	37	0.35	-0.10	210	20	20-10-032-000
38	44	0.30	-0.10	270	20	20-10-038-000
50	58	0.30	-0.10	360	20	20-10-050-000
65	72	0.30	-0.10	500	20	20-10-065-000
75	86	0.30	-0.10	600	20	20-10-075-000
100	112	0.25	-0.10	900	20	20-10-100-000

## J 3-7 PU L SWEEPER HOSE

**Applications:**

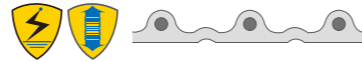
- for sweeper machine, sweeper

**Construction:**

- wall thickness 1mm approx.

**Material:**

- wall: polyurethane
- spiral: spring steel wire

**Properties:**

- flexible and compressible
- highly abrasion resistance
- exterior folds
- good resistance to oil, gasoline and chemical

**Temperature Range:**

- -40°C approx. to +90°C approx.

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Stock Lengths m	Order No.
150	159	0.46	0.07	100	10	3-7-150-000
178	189	0.38	0.05	118	10	3-7-178-000
203	211	0.35	0.05	130	10	3-7-203-000
254	263	0.28	0.02	160	10	3-7-254-000

Delivery Variants: customer-specific product marking, diameters and lengths available on request

## J 3-8 PU M SWEEPER HOSE

**Applications:**

- for sweeper machine, sweeper

**Construction:**

- wall thickness 1.5 mm approx.

**Material:**

- polyurethane
- spiral: spring steel wire

**Properties:**

- flexible and compressible
- highly abrasion resistance
- exterior folds
- good resistance to oil, gasoline and chemical

**Temperature Range:**

- -40°C approx. to +90°C approx.

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Stock Lengths m	Order No.
150	163	0.39	0.19	200	10	3-8-150-000
178	191	0.38	0.16	260	10	3-8-178-000
203	216	0.36	0.12	330	10	3-8-203-000
254	267	0.28	0.08	407	10	3-8-254-000

Delivery Variants: customer-specific product marking, diameters and lengths available on request



## ANTISTATIC AND ELECTRICALLY CONDUCTIVE HOSES

4

Electronics  
Chemical Industry  
Explosion Proof  
Organic Gases



J 9-7 EVA EL HOSE



**Applications:**

- for domestic and industrial vacuum cleaners
- for cleaning of swimming pools

**Construction:**

- self-supporting profile construction
- open profile geometry

**Material:**

- wall: EVA

**Standard Color:**

- black



**Properties:**

- good resistance to alkalis and acids
- good resistance to UV and ozone
- gas and liquid tight
- crush-proof
- static conductive model is available on request
- electrical and surface resistance  $\leq 10^6 \Omega$

**Temperature Range:**

- -45 °C approx. to +65 °C approx.

**Specification:**

- $\varnothing$  25 to  $\varnothing$  50 mm

I.D. mm	O.D. mm	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
25	32.2	0.500	66	0.15	15	9-7-025-000
32	40.4	0.500	82	0.24	15	9-7-032-000
38	47.2	0.500	93	0.31	15	9-7-038-000
45	55.0	0.500	111	0.37	15	9-7-045-000
50	60.4	0.500	121	0.44	15	9-7-050-000

Delivery Variants: customer-specific product marking, further diameters and lengths available on request

J 9-6 EPDM EL HOSE



**Applications:**

- for area easy to burst mixtures such as dust, powder, fibre, chip and particles
- for gas and liquid environments, vacuum cleaners, conveying systems and compressors
- for the electronics, chemical and other industries
- metal grinding machines for dust collection.

**Material:**

- wall: EPDM
- spiral: PP



**Properties:**

- conductive rubber material can be antistatic
- good resistance to sparking
- good resistance to alkalis and acids
- highly abrasion-proof
- smooth interior
- flame-retardant according to UL94-V2
- electrical and surface resistance  $\leq 10^6 \Omega$

**Temperature Range:**

- -30° C approx. to +80° C approx.

**Specification:**

- $\varnothing$  25 to  $\varnothing$  102 mm

I.D. mm	O.D. mm	Pressure (MPa)		Weight kg/m	Stock Lengths m	Order No.
		Positive Pressure	Negative Pressure			
25	33	0.15	0.07	0.30	15	9-6-025-000
32	39	0.10	0.07	0.32	15	9-6-032-000
38	47	0.08	0.07	0.43	15	9-6-038-000
51	60	0.08	0.06	0.52	15	9-6-051-000
64	71	0.07	0.05	0.71	15	9-6-064-000
76	86	0.06	0.04	0.83	15	9-6-076-000
90	100	0.05	0.03	0.99	15	9-6-090-000
102	112	0.05	0.02	1.13	15	9-6-102-000

Delivery Variants: customer-specific product marking, further diameters and lengths available on request

J 9-1 PVC AS FLEX HOSE



**Applications:**

- for transporting inflammable bulk materials and in areas liable to contain explosive mixtures (explosion protection)
- for powdery solids such as dust, powder and fibre
- for gaseous media such as vapor and smoke
- for air conditioning and ventilation technology

**Construction:**

- spring steel wire integrated in wall

**Material:**

- wall: antistatic PVC
- spiral: zinc-coated spring steel wire

**Standard Color:**

- beige:transparent



**Properties:**

- optimized flow properties
- good resistance to alkalis and acids
- good resistance to chemicals
- capable of electrostatic discharge by grounding the spiral
- compressible 3:1
- flame-retardant according to UL94-HB
- electrical and surface resistance  $\leq 10^9 \Omega$

**Temperature Range:**

- -10 °C approx. to +70 °C approx.
- short time to +80 °C approx.

**Specification:**

- $\varnothing$  38 to  $\varnothing$  203 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
38	46	0.500	0.180	46	0.26	15	9-1-038-000
51	59	0.400	0.150	59	0.30	15	9-1-051-000
63	72	0.300	0.100	72	0.33	15	9-1-063-000
76	85	0.270	0.080	85	0.40	15	9-1-076-000
102	111	0.200	0.050	111	0.57	15	9-1-102-000
127	136	0.160	0.030	136	0.77	15	9-1-127-000
152	161	0.140	0.030	161	0.90	15	9-1-152-000
178	187	0.120	0.030	187	1.15	15	9-1-178-000
203	213	0.100	0.025	213	1.30	15	9-1-203-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

J 9-5 TPV EL AIR HOSE



**Applications:**

- suction and blast hose, especially suitable: in areas liable to contain explosive mixtures (explosion protection)
- for welding gas extraction
- for air conditioning and ventilation of fumes, light duty dust extraction and air movement

**Construction:**

- spring steel wire integrated in wall
- fabric-reinforced wall
- wall thickness 0.5mm approx.

**Material:**

- wall: TPV EL coated fabric
- spiral: spring steel wire



**Standard color:**

- black

**Properties:**

- excellent compressibility 4:1
- good resistance to alkalis, acids, chemicals, UV and ozone
- flame-retardant according to UL94-HB
- electrical and surface resistance  $\leq 10^6 \Omega$

**Temperature Range:**

- -20 °C approx. to +150 °C approx.

**Specification:**

- $\varnothing$  51 to  $\varnothing$  406 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Stock Lengths m	Order No.
51	61	0.240	0.145	10	9-5-051-000
63	73	0.195	0.115	10	9-5-063-000
76	86	0.160	0.080	10	9-5-076-000
102	112	0.120	0.050	10	9-5-102-000
127	137	0.100	0.035	10	9-5-127-000
152	162	0.080	0.035	10	9-5-152-000
178	188	0.070	0.020	10	9-5-178-000
203	213	0.060	0.020	10	9-5-203-000
254	264	0.050	0.010	10	9-5-254-000
305	315	0.040	0.005	10	9-5-305-000
356	366	0.035	0.005	10	9-5-356-000
406	416	0.030	0.003	10	9-5-406-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

**J 9-8 PE EL HOSE New Developed Soft Material**    



**Applications:**

- Suction and blast hose, especially suitable:
- in areas liable to contain explosive mixtures (explosion protection)
- for aggressive solids such as dust, powder, fibres and aggressive gaseous media such as vapors and smoke
- for de-dusting, suction plants and chemical industry

**Material:**

- wall: newly improved softer EL PE material
- spiral: spring steel wire

**Properties:**

- electrical and surface resistance  $\leq 10^8 \Omega$
- anti-stick
- highly flexible and compressible
- good resistance to mineral oils, alkalis, and acids
- extremely good resistance to chemicals
- capable of electro-static discharge

**Temperature Range:**

- -35°C approx. to +80°C approx.

**Specification:**

- $\varnothing$  51 to  $\varnothing$  160 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Stock Lengths m	Order No.
51	59	0.369	0.240	58	10	9-8-051-000
60	68	0.305	0.190	68	10	9-8-060-000
63	71	0.285	0.170	73	10	9-8-063-000
76	84	0.250	0.130	83	10	9-8-076-000
90	98	0.200	0.100	98	10	9-8-090-000
102	110	0.185	0.080	108	10	9-8-102-000
110	118	0.170	0.075	118	10	9-8-110-000
115	123	0.160	0.070	123	10	9-8-115-000
120	128	0.155	0.070	128	10	9-8-120-000
127	135	0.150	0.055	133	10	9-8-127-000
140	148	0.135	0.050	148	10	9-8-140-000
152	160	0.125	0.050	158	10	9-8-152-000
160	168	0.115	0.045	168	10	9-8-160-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request



**HIGH TEMPERATURE EXHAUST EXTRACTION HOSES**

**J2-12 PVC AS SUCTION HOSE**    



**Applications:**

- for plastic industry
- for abrasive solids such as dust, powder, fibre, chip and granules
- for gaseous and liquid media
- for de-dusting and suction plant, industrial vacuum cleaners, suction of paper and textile fibre as resistant protection hose

**Material:**

- wall: antistatic PVC
- spiral: antistatic hard PVC

**Properties:**

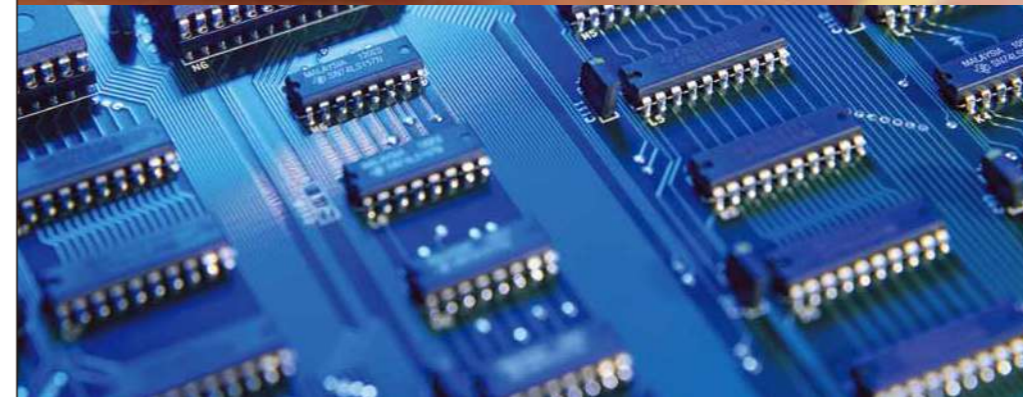
- highly abrasion-proof
- smooth interior
- increased pressure and vacuum resistance
- high tensile strength and tear resistant
- good resistance to chemicals
- gas and liquid tight
- flame-retardant, anti-adhesive
- electrical and surface resistance  $\leq 10^8 \Omega$

**Temperature Range:**

- -10°C approx. to +60°C approx.
- short time to +80°C approx

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Stock Lengths m	Order No.
32	40	2.000	1.000	120	20	2-12-032-000
38	47	2.000	1.000	140	20	2-12-038-000
50	60	2.000	1.000	180	20	2-12-050-000
65	75	2.000	1.000	225	20	2-12-065-000
75	89	2.000	1.000	265	20	2-12-075-000
90	105	2.000	0.700	315	20	2-12-090-000
100	118	1.500	0.700	350	20	2-12-100-000
125	152	1.000	0.700	445	20	2-12-125-000
150	180	1.000	0.700	540	20	2-12-150-000

Delivery Variants: customer-specific product marking, diameters and lengths available on request



High Temperature Vehicle Exhaust Extraction System



J 4-1 SILICONE 2 PLY HOSE



**Applications:**

- suitable for high temperature air handling applications
- for granules dryer in the plastics industry
- for printing machines, blowers and compressors
- for exhaust gas technology, engine warming and military construction

**Construction:**

- spring steel wire integrated in wall
- fabric-reinforced tape
- spiral yarn fixing

**Material:**

- wall: silicone coated fiberglass
- spiral: spring steel wire
- thread: special yarn



**Standard Color:**

- red and black

**Properties:**

- double-layer
- very good heat resistance
- leak-proof
- smooth interior
- fabric reinforced
- small bending radius
- flame-retardant according to UL94-V1

**Temperature Range:**

- -70 °C approx. to +260 °C approx.
- short time to +280 °C approx.

**Specification:**

- ø 20 to ø 305 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
20	24	3.000	0.730	24	0.12	4	4-1-020-000
25	29	2.800	0.710	29	0.19	4	4-1-025-000
32	36	2.700	0.650	36	0.28	4	4-1-032-000
38	43	2.600	0.600	43	0.31	4/8	4-1-038-000
44	49	2.600	0.580	49	0.35	4/8	4-1-044-000
51	57	2.600	0.520	57	0.39	4/8	4-1-051-000
63	68	2.400	0.460	68	0.49	4/8	4-1-063-000
76	81	2.100	0.430	81	0.60	4/8	4-1-076-000
90	95	2.000	0.400	95	0.71	4/8	4-1-090-000
102	107	1.900	0.350	107	0.80	4/8	4-1-102-000
114	120	1.500	0.300	120	0.89	4/8	4-1-114-000
127	133	1.400	0.230	133	0.96	4/8	4-1-127-000
140	146	1.300	0.200	146	1.10	4/8	4-1-140-000
152	158	1.200	0.170	158	1.40	4/8	4-1-152-000
165	171	0.900	0.120	171	1.70	4	4-1-165-000
178	184	1.000	0.120	184	1.43	4	4-1-178-000
203	209	0.700	0.090	209	1.90	4	4-1-203-000
254	260	0.500	0.070	260	2.09	4	4-1-254-000
305	311	0.500	0.070	311	2.61	4	4-1-305-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

J 4-2 SILICONE HOSE



**Applications:**

- electric equipment for hot and cold air
- for granules dryers in the plastics industry
- for printing machines, blowers and compressors
- for exhaust gas technology, engine construction, engine warming and military construction

**Construction:**

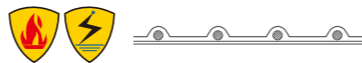
- wall: silicone-coated sealed fiberglass fabric
- spiral: spring steel wire integrated in wall

**Material:**

- wall: silicone-coated sealed fiberglass fabric
- spiral: spring steel wire

**Standard Color:**

- red



**Properties:**

- double-layer
- smooth interior
- good flow characteristics
- good overpressure and vacuum tightness
- superior heat and cold resistance
- flame-retardant according to UL94-V1
- de-dusting in clean room

**Temperature Range:**

- -70 °C approx. to +260 °C approx.
- short time to +280 °C approx.

**Specification:**

- ø 20 to ø 203 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
20	24	3.000	0.730	24	0.12	4	4-2-020-000
25	29	2.800	0.710	29	0.19	4	4-2-025-000
32	36	2.700	0.650	36	0.28	4	4-2-032-000
38	43	2.600	0.600	43	0.31	4	4-2-038-000
44	49	2.600	0.580	49	0.35	4	4-2-044-000
51	57	2.600	0.520	57	0.39	4	4-2-051-000
63	68	2.400	0.460	68	0.49	4	4-2-063-000
76	81	2.100	0.430	81	0.60	4	4-2-076-000
90	95	2.000	0.400	95	0.71	4	4-2-090-000
102	107	1.900	0.350	107	0.80	4	4-2-102-000
114	120	1.500	0.300	120	0.89	4	4-2-114-000
127	133	1.400	0.230	133	0.96	4	4-2-127-000
140	146	1.300	0.200	146	1.10	4	4-2-140-000
152	158	1.200	0.170	158	1.40	4	4-2-152-000
165	171	0.900	0.120	171	1.70	4	4-2-165-000
203	209	0.700	0.090	209	1.90	4	4-2-203-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

J 4-3 RIGID SILICONE HOSE



**Applications:**

- welding fume extraction
- conveying heat granules for feeding equipment
- for food and pharmaceutical industry

**Construction:**

- wall: silicone-coated sealed fiberglass fabric
- spiral spring steel wire integrated in wall
- wall thickness 5 mm

**Material:**

- wall: silicone-coated sealed fiberglass fabric
- spiral spring steel wire integrated in wall

**Standard Color:**

- red



**Properties:**

- double-layer
- smooth interior
- good flow characteristics
- good overpressure and vacuum tightness
- superior heat and cold resistance
- flame-retardant according to UL94-V1
- de-dusting in clean room
- food quality complied with FDA

**Temperature Range:**

- -70 °C approx. to +260 °C approx.
- short time to +280 °C approx.

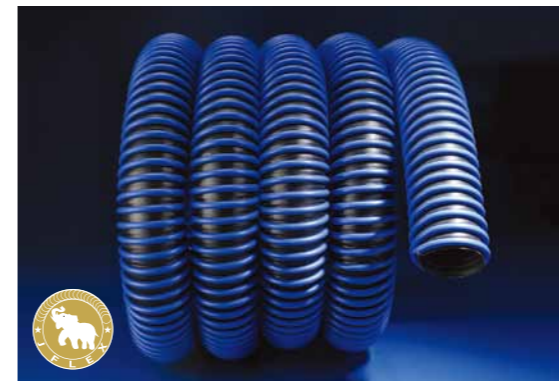
**Specification:**

- ø 38 to ø 152 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Stock Lengths m	Order No.
38	46	4.300	1.107	4	4-3-038-000
40	48	4.300	1.100	4	4-3-040-000
45	53	4.100	0.900	4	4-3-045-000
51	59	4.000	0.811	4	4-3-051-000
63	71	3.700	0.717	4	4-3-063-000
76	84	3.400	0.700	4	4-3-076-000
80	88	3.300	0.670	4	4-3-080-000
83	91	3.300	0.670	4	4-3-083-000
89	97	3.200	0.650	4	4-3-089-000
102	110	3.100	0.620	4	4-3-102-000
114	122	2.700	0.570	4	4-3-114-000
120	128	2.900	0.546	4	4-3-120-000
127	135	2.900	0.400	4	4-3-127-000
152	160	2.800	0.358	4	4-3-152-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

J 5-2 TPV MEMORY HOSE



**Applications:**

- special exhaust gas hose, especially suitable:
- for suction of vehicle engine exhaust gas
- for hose reel
- for slotted floor channels
- for above and below floor suction extraction

**Construction:**

- plastic profile supporting spiral
- fabric-reinforced wall
- wall thickness 0.55 mm approx.

**Material:**

- wall: TPV coated fabric
- spiral: special hollow plastic helix

**Standard color:**

- black, custom color and blue



**Properties:**

- vibration resistant
- crush-proof
- highly flexible and compressible
- fabric reinforced
- good resistance to chemicals
- small bending radius
- gas and liquid tight
- flame-retardant according to UL94-HB

**Temperature Range:**

- exhaust gas temperatures to +180 °C
- when correctly applied with exhaust gas funnels and sufficient fresh air supply 50% approx.

**Specification:**

- ø 51 to ø 203 mm

I.D. mm	O.D. mm	Vacuum bar	Weight kg/m	Stock Lengths m	Order No.
51	58	0.400	0.41	15	5-2-051-000
63	80	0.280	0.51	15	5-2-063-000
76	89	0.180	0.54	15	5-2-076-000
102	115	0.050	0.72	15	5-2-102-000
127	140	0.035	0.88	15	5-2-127-000
152	167	0.025	1.05	15	5-2-152-000
203	216	0.010	1.39	15	5-2-203-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

## J 5-3 EPDM MEMORY HOSE

**Applications:**

- special exhaust hose, especially suitable:
  - for suction of engine exhaust gas
  - for hose reel
  - for slotted floor channels
  - for above and below floor suction extraction

**Construction:**

- fabric-reinforced wall
- wall thickness 0.8 mm approx.

**Material:**

- wall: EPDM coated fabric
- spiral: EPDM+polyamide spiral
- Standard color:**
- black

**Properties:**

- vibration resistant
- crush-proof
- highly flexible and compressible
- fabric reinforced
- good resistance to chemicals
- small bending radius
- gas and liquid tight
- flame-retardant according to UL94-HB

**Temperature Range:**

- -40°C approx. to +190°C approx.
- short time to +220°C approx.
- when correctly applied with exhaust gas funnels and sufficient fresh air supply 50% approx.

**Specification:**

- ø 51 to ø 152 mm

I.D. mm	O.D. mm	Vacuum bar	Weight kg/m	Stock Lengths m	Order No.
51	58	0.400	0.41	7.5 / 8	5-3-051-000
76	89	0.180	0.54	7.5 / 8	5-3-076-000
102	115	0.050	0.72	7.5 / 8	5-3-102-000
127	140	0.035	0.88	7.5 / 8	5-3-127-000
152	165	0.025	1.05	7.5 / 8	5-3-152-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

## J 6-1 ALUMINUM FOIL AIR HOSE

**Applications:**

- exhaust air ventilation
- electrical component manufacture
- PCB manufacture
- for ventilation technology, clean rooms and electrical plants

**Construction:**

- two ply aluminum foil mechanically clamped into metal band

**Material:**

- wall: 0.1 mm thick aluminum foil
- spiral: 8 mm wide galvanised steel band
- Standard Color:**
- silver

**Properties:**

- axially compressible
- bending radius equals 1.25 times of diameter
- small bending radius
- de-dusting

**Temperature Range:**

- -20 °C approx. to +130 °C approx.

**Specification:**

- ø 38 to ø 305 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
38	42	0.350	0.190	48	0.30	5	6-1-038-000
51	56	0.330	0.170	60	0.36	5	6-1-051-000
63	69	0.290	0.170	68	0.47	5	6-1-063-000
76	79	0.250	0.150	80	0.54	5	6-1-076-000
90	95	0.200	0.130	95	0.57	5	6-1-090-000
102	105	0.200	0.130	105	0.60	5	6-1-102-000
127	130	0.180	0.130	130	0.74	5	6-1-127-000
152	158	0.150	0.090	155	0.89	5	6-1-152-000
203	206	0.100	0.080	205	1.10	5	6-1-203-000
254	257	0.080	0.300	255	1.40	5	6-1-254-000
305	310	0.050	0.300	308	1.70	5	6-1-305-000

Delivery Variants: customer-specific product marking, further diameters and lengths available on request

## J 6-2 ALUMINUM FOIL AND FABRIC AIR HOSE

**Applications:**

- drying equipment
- hot air suction and ventilation applications

**Construction:**

- wall: two ply aluminized fiberglass mechanically incorporating a high tensile steel helix sewn externally

**Material:**

- wall: aluminized fiberglass
- spiral: 8 mm galvanized steel band
- Standard Color:**
- white

**Properties:**

- high temperature resistance
- easy to install
- flame-retardant according to UL94-V0

**Temperature Range:**

- -20 °C approx. to +180 °C approx.

**Specification:**

- ø 51 to ø 305 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
51	56	0.330	0.170	61	0.40	5	6-2-051-000
63	67	0.290	0.170	73	0.51	5	6-2-063-000
76	80	0.250	0.150	86	0.60	5	6-2-076-000
90	95	0.200	0.130	100	0.64	5	6-2-090-000
102	107	0.200	0.130	112	0.67	5	6-2-102-000
127	132	0.180	0.120	137	0.84	5	6-2-127-000
152	158	0.150	0.090	162	1.01	5	6-2-152-000
203	209	0.100	0.060	213	1.30	5	6-2-203-000
254	261	0.080	0.030	264	1.60	5	6-2-254-000
305	312	0.050	0.030	315	1.90	5	6-2-305-000

Delivery Variants: customer-specific product marking, further diameters and lengths available on request

## J 6-3 SILICONE FOIL AND FABRIC AIR HOSE

**Applications:**

- air direction
- used in place, where the exhaust gas temperatures are higher, for instance in construction machinery, harvesters, granules dryers in the plastics industry or for the extraction of hot air from ovens

**Construction:**

- wall: one ply silicone coated fiberglass mechanically clamped into stainless steel band

**Material:**

- wall: silicone fiberglass
- spiral: 8mm wide stainless steel band

**Standard Color:**

- grey

**Properties:**

- very good heat resistance
- leak-proof
- fibre reinforced
- small bending radius
- flame-retardant according to UL94-V0

**Temperature Range:**

- -70 °C approx. to +300 °C approx.

**Specification:**

- ø 51 to ø 305 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
51	56	0.180	0.170	61	0.37	5	6-3-051-000
63	68	0.150	0.170	73	0.48	5	6-3-063-000
76	81	0.130	0.150	86	0.55	5	6-3-076-000
90	96	0.100	0.130	100	0.59	5	6-3-090-000
102	108	0.100	0.130	112	0.65	5	6-3-102-000
127	133	0.090	0.130	137	0.80	5	6-3-127-000
152	159	0.080	0.090	162	0.99	5	6-3-152-000
203	210	0.050	0.060	213	1.30	5	6-3-203-000
254	262	0.030	0.030	264	1.60	5	6-3-254-000
305	314	0.020	0.030	315	1.90	5	6-3-305-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

## J 6-4 PTFE AIR HOSE

**Applications:**

- for solids such as dust, powder, fibre and chip
- for gaseous media such as vapors and smoke
- for food and pharmaceutical industry
- for chemical industry

**Construction:**

- PTFE mechanically clamped into metal band

**Material:**

- wall: PTFE coated fiberglass
- clamp profile: stainless steel

**Properties:**

- anti-adhesive
- small bending radius
- strongly clamp into the wall
- odourless and tasteless
- good resistance to high temperature
- good resistance to alkalis, acids and chemicals
- good resistance to UV and ozone
- flame-retardant according to UL94-V0

**Temperature Range:**

- -70°C approx. to +250°C approx.

**Specification:**

- ø 51 to ø 305 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
51	56	0.180	0.170	61	0.35	5	6-4-051-000
63	68	0.150	0.170	73	0.45	5	6-4-063-000
76	81	0.130	0.150	86	0.52	5	6-4-076-000
90	96	0.100	0.130	100	0.55	5	6-4-090-000
102	108	0.100	0.130	112	0.61	5	6-4-102-000
127	133	0.090	0.130	137	0.76	5	6-4-127-000
152	159	0.080	0.090	162	0.93	5	6-4-152-000
203	210	0.050	0.060	213	1.10	5	6-4-203-000
254	262	0.030	0.030	264	1.30	5	6-4-254-000
305	314	0.020	0.030	315	1.70	5	6-4-305-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

## J 6-5 STAINLESS STEEL AIR HOSE

**Applications:**

- hot ventilation in clean room
- semiconductor manufacture and chemical plant
- electrical component manufacture

**Construction:**

- stainless steel foil mechanically clamped into stainless steel spiral

**Material:**

- wall: 0.05 mm stainless steel foil
- spiral: stainless steel band

**Properties:**

- good resistance to alkalis and acids
- bendable
- high temperature
- rigid
- long life

**Temperature Range:**

- -70°C approx. to +400°C approx.

**Specification:**

- ø 51 to ø 305 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Bending Radius mm	Weight kg/m	Stock Lengths m	Order No.
51	55	0.180	0.210	61	0.36	2	6-5-051-000
63	67	0.150	0.210	73	0.47	2	6-5-063-000
76	80	0.130	0.210	86	0.54	2	6-5-076-000
102	107	0.100	0.150	112	0.60	2	6-5-102-000
127	132	0.090	0.150	137	0.74	2	6-5-127-000
152	158	0.080	0.130	162	0.89	2	6-5-152-000
203	209	0.050	0.100	213	1.10	2	6-5-203-000
254	316	0.030	0.060	264	1.40	2	6-5-254-000
305	312	0.020	0.060	315	1.70	2	6-5-305-000

Delivery Variants: customer-specific product marking, further diameters and lengths available on request

## J 1-7 TPV FABRIC AIR HOSE

**Applications:**

- for welding gas extraction
- for air conditioning and ventilation technology

**Construction:**

- spring steel wire integrated in wall
- fabric-reinforced wall
- wall thickness 0.5 mm approx.

**Material:**

- wall: TPV coated fabric
- spiral: spring steel wire

**Standard Color:**

- black

**Properties:**

- compressible 4:1
- excellent resistance to alkalis, acids, chemicals, UV, and ozone
- flame-retardant according to UL94-HB

**Temperature Range:**

- -20 °C approx. to +150 °C approx.
- short time to +170 °C approx.

**Specification:**

- ø 51 to ø 406 mm

I.D. mm	O.D. mm	Overpressure bar	Vacuum bar	Stock Lengths m	Order No.
51	61	0.240	0.145	10	1-7-051-000
63	73	0.195	0.115	10	1-7-063-000
76	86	0.160	0.080	10	1-7-076-000
102	112	0.120	0.050	10	1-7-102-000
127	137	0.100	0.035	10	1-7-127-000
152	162	0.080	0.035	10	1-7-152-000
178	187	0.070	0.020	10	1-7-178-000
203	213	0.060	0.020	10	1-7-203-000
254	264	0.050	0.010	10	1-7-254-000
305	315	0.040	0.005	10	1-7-305-000
356	366	0.035	0.005	10	1-7-356-000
406	416	0.030	0.003	10	1-7-406-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

## J 20-6 SUS MICROBEND AIR HOSE

**Applications:**

- for high temperature environment and equipment
- temperature-resistant to 400 °C approx.
- for semiconductor, chemical, electronics, wafer processing, LCD, secondary piping in clean room
- high-winding

**Construction:**

- wall thickness: 0.05mm

**Standard Color:**

- silver

**Properties:**

- low cost
- micro-bend, easy to construct
- high temperature resistant
- clean room available

**Temperature Range:**

- -70°C~+400°C

**Specification:**

- ø 51- 254mm

I.D. mm	O.D. mm	Stock Lengths m	Order No.
50	54	4	20-6-050-000
75	79	4	20-6-075-000
101	105	4	20-6-101-000
126	130	4	20-6-126-000
152	156	4	20-6-152-000
203	208	4	20-6-203-000

Delivery Variants: customer-specific product marking, diameters and lengths available on request



**INDUSTRIAL TUBES**

Industrial Tubes  
Pneumatic Tools  
Pressure Spraying

**J 7-2 PU BRAIDED TUBE**



**Applications:**

- pressure hose
- for compressed air
- for pneumatic tools
- for gaseous and liquid media

**Construction:**

- fabric reinforced wall
- smooth interior and exterior wall

**Material:**

- ester-polyurethane

**Standard Color:**

- blue

**Properties:**

- high tensile strength and tear resistant
- hydrolysis resistant
- small bending radius
- gas and liquid tight
- crush-proof
- very robust

**Temperature Range:**

- -40 °C approx. to +90 °C approx.

**Specification:**

- ø 4 to ø 12 mm

I.D. mm	O.D. mm	Working Pressure kgf/cm <sup>2</sup>	Stock Lengths m	Order No.
4	6	15	100	7-2-001-000
5	8	15	100	7-2-002-000
6.5	10	15	100	7-2-003-000
8	12	15	100	7-2-004-000
9	15	15	100	7-2-005-000
12	16	15	100	7-2-006-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

**J 7-3 PU TUBE**



**Applications:**

- pressure hose
- for compressed air
- for pneumatic tools
- for gaseous and liquid media

**Construction:**

- smooth interior and exterior wall

**Material:**

- ether-polyurethane

**Standard Color:**

- blue, black, orange and transparent

**Properties:**

- high tensile strength and tear resistant
- hydrolysis resistant
- small bending radius
- gas and liquid tight
- crush-proof
- very robust

**Temperature Range:**

- -40 °C approx. to +90 °C approx.

**Specification:**

- ø 2.5 to ø 8 mm

I.D. mm	O.D. mm	Working Pressure kgf/cm <sup>2</sup>	Stock Lengths m	Order No.
2.5	4	8	200	7-3-001-000
4	6	8	200	7-3-002-000
5	8	8	100	7-3-003-000
6.5	9.5	8	100	7-3-004-000
6.5	10	8	100	7-3-005-000
8	12	8	100	7-3-006-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request



## J 7-4 LDPE TUBE

**Applications:**

- pressure hose
- for electronics, mechanical and food industry
- for conveying water, oil and gas under normal working condition

**Construction:**

- smooth interior and exterior wall

**Material:**

- LDPE

**Standard Color:**

- black and transparent

**Properties:**

- odourless and tasteless
- good resistance to mineral oil, chemicals, UV and ozone
- small bending radius
- free of softener and halogen
- gas and liquid tight
- food complied with FDA

**Temperature Range:**

- 20 °C approx. to +70 °C approx.

**Specification:**

- ø 2 to ø 9.53 mm

I.D. mm	O.D. mm	Working Pressure kgf/cm <sup>2</sup>	Stock Lengths m	Order No.
2	3.175(1/8)	15	200	7-4-001-000
2	4	15	200	7-4-002-000
2.5	4	13	200	7-4-003-000
4	6	13	100	7-4-004-000
4.76(3/16)	6.35(1/4)	10	100	7-4-005-000
6	8	10	100	7-4-006-000
6.99	9.53(3/8)	9	100	7-4-007-000
7.5	10	9	100	7-4-008-000
9	12	9	100	7-4-009-000
9.53(3/8)	12.7	9	100	7-4-010-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

## J 7-5 NYLON TUBE

**Applications:**

- pressure hose
- for electronics, mechanical and food industry
- for conveying water, oil and gas under normal working condition

**Construction:**

- smooth interior and exterior wall

**Material:**

- PA6
- PA11 \ PA12

**Standard Color:**

- black and transparent

**Properties:**

- odourless and tasteless
- hydrolysis resistant
- good resistance to mineral oil, chemicals, UV and ozone
- free of softener and halogen
- gas and liquid tight
- very robust

**Temperature Range:**

- 20 °C approx. to +70 °C approx.

**Specification:**

- ø 2 to ø 9.53 mm

I.D. mm	O.D. mm	Working Pressure kgf/cm <sup>2</sup>	Stock Lengths m	Order No.
2	3.175(1/8)	30	200	7-5-001-000
2	4	36	200	7-5-002-000
2.5	4	16	200	7-5-003-000
4	6	17	100	7-5-004-000
4.76(3/16)	6.35(1/4)	14	100	7-5-005-000
6	8	13	100	7-5-006-000
6.99	9.53(3/8)	14	100	7-5-007-000
7.5	10	14	100	7-5-008-000
9	12	14	100	7-5-009-000
9.53(3/8)	12.7	14	100	7-5-010-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

## J 7-6 PTFE TUBE

**Applications:**

- pressure hose
- for heat exchanger
- for transportation of all kinds of corrosive medium, chemical material and medical intermediate.

- for transportation of hot and cold liquid and gas

- for insulates and adiabatic sleeve

**Construction:**

- smooth interior and exterior wall

**Material:**

- PTFE

**Standard Color:**

- white

**Properties:**

- food quality complied with FDA
- odourless and tasteless
- insulation
- good resistance to alkalis, acids, and chemicals
- small bending radius
- free of softener and halogen
- gas and liquid tight

**Temperature Range:**

- 73 °C approx. to +260 °C approx.

**Specification:**

- ø 2 to ø 9.53 mm

I.D. mm	O.D. mm	Working Pressure kgf/cm <sup>2</sup>	Stock Lengths m	Order No.
2	4	15	100	7-6-001-000
2.5	4	12	100	7-6-002-000
4	6	10	100	7-6-003-000
4.76(3/16)	6.35	8	100	7-6-004-000
6	8	7	100	7-6-005-000
5	8	7	100	7-6-006-000
6.35(1/4)	9.53	7	100	7-6-007-000
8	10	6	100	7-6-008-000
7.5	10	6	100	7-6-009-000
11	13	5	100	7-6-010-000
10	12	5	100	7-6-011-000
9	12	5	100	7-6-012-000
9.53(3/8)	12.7	5	100	7-6-013-000

Delivery Variants: customer-specific product marking, further diameters and lengths available on request

## J 7-7 FEP TUBE

**Applications:**

- pressure hose
- for solids
- for gaseous and liquid media

**Construction:**

- smooth interior and exterior wall

**Material:**

- FEP

**Standard Color:**

- transparent

**Properties:**

- food quality complied with FDA
- odourless and tasteless
- anti-adhesive
- good resistance to alkalis, acids, and chemicals
- small bending radius
- free of softener and halogen
- gas and liquid tight
- high transparency

**Temperature Range:**

- 60 °C approx. to +200 °C approx.

**Specification:**

- ø 2 to ø 9.53 mm

I.D. mm	O.D. mm	Working Pressure kgf/cm <sup>2</sup>	Stock Lengths m	Order No.
2	4	15	100	7-7-001-000
2.5	4	12	100	7-7-002-000
4	6	10	100	7-7-003-000
4.76(3/16)	6.35	8	100	7-7-004-000
6	8	7	100	7-7-005-000
5	8	7	100	7-7-006-000
6.35(1/4)	9.53	7	100	7-7-007-000
8	10	6	100	7-7-008-000
7.5	10	6	100	7-7-009-000
11	13	5	100	7-7-010-000
10	12	5	100	7-7-011-000
9	12	5	100	7-7-012-000
9.53(3/8)	12.7	5	100	7-7-013-000

Delivery Variants: customer-specific product marking, further diameters and lengths available on request

## J 7-8 PAINT TUBE

**Applications:**

- pressurized paint
- paint transport Tank & Pump
- best for the pressurized solvent transport

**Construction:**

- smooth interior and exterior wall

**Material:**

- inner: Nylon
- outer: polyurethane

**Standard Color:**

- transparent

**Properties:**

- crush-proof
- excellent resistance against solvents

**Temperature Range:**

- -5 °C approx. to +70 °C approx.

**Specification:**

- ø 5 to ø 8 mm

I.D. mm	O.D. mm	Working Pressure kgf/cm <sup>2</sup>	Stock Lengths m	Order No.
5	8	7	100	7-8-001-000
6.35	9.65	7	100	7-8-002-000
8	11	7	100	7-8-003-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

## J 7-9 PAINT-TWIN TUBE

**Applications:**

- pressurized paint & Thinner transport
- pressurized paint transport Tank & Pump

**Construction:**

- the air hose and the pressurized solvent transport hose are paired

**Material:**

- inner: Nylon
- outer: polyurethane
- air hose material: PU
- air hose reinforcement: ester-polyurethane

**Properties:**

- crush-proof
- excellent resistance against solvents
- best for the pressurized solvent transport

**Temperature Range:**

- -5 °C approx. to +50 °C approx.

I.D. mm	O.D. mm	Working Pressure kgf/cm <sup>2</sup>	Stock Lengths m	Order No.
air 6.5	10	6	100	7-9-001-000
paint 6.5	10	6	100	
air 6.5	10	6	100	7-9-002-000
paint 8	11	7	100	

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

## J 10-1 HOSE CLAMP

**Applications:**

- clamp for attachment of light-duty hoses with smooth exterior

**Material:**

- clamp band: stainless steel
- screw: chrome-plated steel

**Properties:**

- easily and quickly fitted
- re-usable
- rust-proof

Clamping Range I.D. mm	Band Width mm	Order No.	Clamping Range I.D. mm	Band Width mm	Order No.
13-26	9	10-1-013-000	91-115	14	10-1-091-000
19-38	9	10-1-019-000	105-127	14	10-1-105-000
25-51	9	10-1-025-000	118-140	14	10-1-118-000
40-64	11	10-1-040-000	130-153	14	10-1-130-000
52-76	12	10-1-052-000	156-180	14	10-1-156-000
65-89	14	10-1-065-000	165-203	14	10-1-165-000
78-102	14	10-1-078-000	215-255	14	10-1-215-000

Delivery Variants: customer-specific product marking, further colors, diameters and lengths available on request

## J 10-2 HOSE CLAMP

**Applications:**

- special clamp for attachment of exterior corrugated spiral hoses

**Construction:**

- stainless steel (VA).

**Material:**

- clamp band: stainless steel
- bridge: stainless steel
- screw: chrome-plated steel

**Properties:**

- practically leak-proof and firmly clamped with special bridge
- easily and quickly fitted geometry
- re-usable
- rust-proof
- very robust

Clamping Range I.D. mm	Order No.	Clamping Range I.D. mm	Order No.
27-47	10-2-027-000	115-135	10-2-115-000
35-55	10-2-035-000	145-165	10-2-145-000
45-65	10-2-045-000	185-205	10-2-185-000
55-75	10-2-055-000	195-215	10-2-195-000
65-85	10-2-065-000	215-235	10-2-215-000
85-105	10-2-085-000	245-265	10-2-245-000
95-115	10-2-095-000	295-315	10-2-295-000

## J 10-3 PLASTIC FITTING HOSE CLAMP

**Applications:**

- special clamp for attachment of exterior corrugated spiral hoses
- can install only by hands, easily and quickly fitted

**Material:**

- clamp: stainless steel
- bridge: stainless steel
- connector: plastic steel

Clamping Range I.D. mm	Order No.	Clamping Range I.D. mm	Order No.
27-47	10-3-027-000	115-135	10-3-115-000
35-55	10-3-035-000	145-165	10-3-145-000
45-65	10-3-045-000	185-205	10-3-185-000
55-75	10-3-055-000	195-215	10-3-195-000
65-85	10-3-065-000	215-235	10-3-215-000
85-105	10-3-085-000	245-265	10-3-245-000
95-115	10-3-095-000	295-315	10-3-295-000

## J 10-4 PINTLE HOSE CLAMP

**Applications:**

- clamp for high-pressure environment

**Material:**

- clamp band: stainless steel
- bridge: steel pintle

Clamping Range I.D. mm	Order No.	Clamping Range I.D. mm	Order No.
17-19	10-4-017-000	48-51	10-4-048-000
20-22	10-4-020-000	52-55	10-4-052-000
23-25	10-4-023-000	56-59	10-4-056-000
26-28	10-4-026-000	60-63	10-4-060-000
29-31	10-4-029-000	64-67	10-4-064-000
32-35	10-4-032-000	68-73	10-4-068-000
36-39	10-4-036-000	74-79	10-4-074-000
40-43	10-4-040-000	80-85	10-4-080-000
44-47	10-4-044-000		

## J 11-1 RUBBER CONNECTOR



### Applications:

- soft sleeve for interior and exterior connections

### Material:

- special rubber

### Standard Color:

- white and black

### Temperature Range:

- -20 °C approx. to +125 °C approx.

### Suitable For Hose:

- J 1-1
- J 1-2
- J 1-3
- J 1-4
- J 2-1
- J 5-1

I.D. mm	Order No.	I.D. mm	Order No.
50	11-1-050-000	125	11-1-125-000
63	11-1-063-000	150	11-1-150-000
76	11-1-076-000	200	11-1-200-000
100	11-1-100-000	250	11-1-250-000

## J 11-2 STAINLESS STEEL CONNECTOR



### Applications:

- to connect, reduce and extend hose lines

### Material:

- stainless steel (VA) 1.4301/ AISI 304/ W2

### Properties:

- easily and quickly fitted

### Temperature Range:

- +400 °C approx.

I.D. mm	Order No.
50	11-2-050-000
63	11-2-063-000
76	11-2-076-000
100	11-2-100-000
125	11-2-125-000
150	11-2-150-000
200	11-2-200-000
250	11-2-250-000

## J 11-3 SILICONE CONNECTOR



### Applications:

- soft sleeve for interior and exterior connections

### Material:

- wall: silicone

### Standard Color:

- red

### Temperature Range:

- -40 °C approx. to +260 °C approx.

### Suitable For Hose:

- J 6-1
- J 6-2
- J 6-3
- J 6-4
- J 6-5

I.D. mm	Order No.	I.D. mm	Order No.
50	11-3-050-000	125	11-3-125-000
63	11-3-063-000	150	11-3-150-000
75	11-3-075-000	200	11-3-200-000
90	11-3-090-000	250	11-3-250-000
100	11-3-100-000	300	11-3-300-000

## J 11-4 HOSE INSULATOR



### Applications:

- suitable for heat and cold transport hose
- thermal insulation

### Material:

- high density compound foam

### Standard Color:

- black

### Construction:

- adjustable Velcro strap

### Temperature Range:

- -20 °C approx. to +160 °C approx.

I.D. inch	Wall thickness mm	Stock Lengths m	Order No.
2	6	1	11-4-002-000
3	6	1	11-4-003-000
4	6	1	11-4-004-000
5	6	1	11-4-005-000
6	6	1	11-4-006-000
8	6	1	11-4-008-000

## J 11-5 EVA HOSE CONNECTOR



### Application:

- soft sleeve for interior and exterior connections

### Material:

- rubber

### Standard Color:

- white and black

### Temperature Range:

- -20 °C approx. to +125 °C approx.

### Suitable For Hose:

- J 3-2

I.D. mm	Order No.
25	11-5-025-000
32	11-5-032-000
38	11-5-038-000
45	11-5-045-000
50	11-5-050-000

## J 11-6 STAINLESS STEEL CONNECTOR



### Applications:

- transmission of fluid and granule

### Material:

- stainless steel

### Suitable For Hose:

- J 2-4
- J 2-5
- J 2-6

I.D. mm	Order No.	I.D. mm	Order No.
25	11-6-025-000	76	11-6-076-000
32	11-6-032-000	102	11-6-102-000
38	11-6-038-000	127	11-6-127-000
51	11-6-051-000	152	11-6-152-000
63	11-6-063-000		

### J3-4 HDPE EL RIGID BEND HOSE HDPE



#### Applications:

- for air, fume extraction and liquid supply at low pressures
- for conveyance of powders, granules and dust extraction
- for woodworking dust
- portable air conditioner venting hose

#### Construction:

- wall: HDPE

#### Standard Color:

- black

#### Properties:

- self-supporting
- superior resistance to alkalis and acids
- simply increase or decrease the size
- jointing of lengths
- able to maintain shape
- electrical and surface resistance  $\leq 10^6 \Omega$

#### Temperature Range:

- $-20^\circ\text{C} \sim +70^\circ\text{C}$

### J20-5 VACUUM LIFT HOSE



#### Applications:

- for vacuum lift equipment

#### Material:

- wall: rubber
- spiral: elastic steel wire

#### Properties:

- high working pressure

#### Temperature Range:

- $-20^\circ\text{C} \sim +150^\circ\text{C}$

#### Specification:

- $\phi$  100-180mm

### J 1-12 PVC ALUMINUM FLEX HOSE



#### Applications:

- for transfer of air, air conditioning ductwork

#### Material:

- wall: PVC with Aluminum
- spiral: spring steel wire

#### Properties:

- small bending radius
- very good low temperature flexibility
- kink-proof
- outside PVC protection

#### Temperature Range:

- $-20^\circ\text{C}$  approx. to  $+80^\circ\text{C}$  approx.

### BRAIDED TUBE



#### Applications:

- for conveying water, oil, air pressure tube

#### Material:

- inner: PVC, NBR, PU, EPDM, etc.
- outer (fabric): PP, Nylon, Kevlar, etc.

### CUSTOMER SPECIFIC CONNECTORS



#### Applications:

- for hose connector processing for automotive, pneumatic lines, oiling machine and machinery industry
- for all tube connector processing, we provide customization service for your needs

### SPRING HOSE



- Applications: for powdery solids such as dust, powder and fibre

#### Material:

- PVC, PU

#### Properties:

- compressible 1:7
- freely stretch and compression
- customer-specific

### PNEUMATIC SPIRAL TUBE



#### Applications:

- for pneumatic lines, pressure tube for conveying water, oil and air

#### Material:

- Nylon, PU, PE, PTFE, FEP

#### Properties:

- freely stretch and compression

### CORRUGATED TUBE



- Applications: for electrical, semiconductor, PCB, LCD, chemical plant

#### Material:

- PTFE, FEP, PFA (PFA 951HP or PFA451H)

#### Properties:

- good resistance to alkalis and acids, chemicals
- high transparency
- low coefficient of friction, anti-sticking customer-specific

### EXHAUST HOSE



- Applications: exhaust hose for modified car

#### Material:

- TPV

#### Construction:

- wall thickness 0.5 mm
- TPV mechanically clamped into width 8 mm stainless steel band

#### Properties:

- good resistance to high temperature