



PVC hose, heavy, smooth interior and exterior, vacuum-proof

Application

- hose/ ducting for high volume of abrasive powder, bulk material, granulate and for gases
- vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system
- plastic industry, conveying of granulates and powders: granulate conveying equipment, vacuum hopper/ conveyor, suction conveyor, dosing system, bulk-bag (big bag)-charging and discharging, shredder, mill, extruder, injection moulding machine
- airport, airplane, rail vehicle, train, railway, boat, ship/ vessel, yacht: toilet discharging/ disposal
- agricultural industry: irrigation, fertilizers, insecticides
- animal stall, animal shed: feedstuff conveying, feedstuff plant, animal feed transport
- construction industry: lowering groundwater
- caravan/ trailer, mobile home/ camper/ RV, boat, ship/ vessel, yachts: sanitary installation, water supply
- compressor, side channel blower, vacuum pump, pressure pump, pump
- paper mill, paper and pulp industry: waste water, air extraction
- industrial washing machine: washing water hose
- vacuum lifting equipment, vacuum handling system

- silos and tankers: silo charging, silo discharging
- silo and tankers: conveying of wood pellets, plastic granulate, plastic powder

Properties

- heavy duty
- very high pressure, vacuum and compression resistance
- Food grade wall, complies with: EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174, according to FDA 21 CFR, according to FDA 21 CFR, 177.1210
- good resistance to alkalis and acids
- good resistance to chemicals
- phthalate-free
- manufacturing process acc. GMP EC 2023/2006
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

Temperature Range

- -20 °C to 70 °C
- short time to 80 °C

Design

- BARDUC® design
- spring steel wire spiral embedded in wall
- smooth interior and exterior
- wall: high grade soft PVC
- wall thickness 3 to 8 mm approx., depending on diameter

Delivery variants

- further diameters and lengths available on request
- transparent (standard)
- special colours: full coloured
- customer-specific branding

I.D.	outer Ø	Pressure	Vacuum	Bending Radius	Weight	Dimensions in Stock	Production Lengths	Order No.
(in / mm)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(m)	(m)	
- / 10	16.00	7,000	0,850	25.00	0.15	30 60	-	381-0010-0000
- / 12	18.00	6,000	0,850	30.00	0.21	30 60	-	381-0012-0000
- / 13	19.00	6,000	0,850	32.00	0.23	30 60	-	381-0013-0000
- / 14	20.00	6,000	0,850	33.00	0.25	30 60	-	381-0014-0000
5/8 / 16	22.00	6,000	0,850	37.00	0.27	30 60	-	381-0016-0000
- / 18	24.50	5,000	0,850	39.00	0.29	30 60	-	381-0018-0000
3/4 / 19	26.00	5,000	0,850	41.00	0.31	30 60	-	381-0019-0000
- / 20	27.00	5,000	0,850	45.00	0.32	30 60	-	381-0020-0000
- / 22	29.00	5,000	0,850	49.00	0.35	30 60	-	381-0022-0000
1 / 25	33.00	5,000	0,850	73.00	0.49	30 60	-	381-0025-0000
- / 30	39.00	4,000	0,850	75.00	0.58	30 60	-	381-0030-0000
1,25 / 32	40.00	4,000	0,850	79.00	0.70	30 60	-	381-0032-0000
1,36 / 35	44.00	4,000	0,850	83.00	0.75	30 60	-	381-0035-0000

I.D.	outer Ø	Pressure	Vacuum	Bending Radius	Weight	Dimensions in Stock	Production Lengths	Order No.
(in / mm)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(m)	(m)	
1,5 / 38	47.00	4,000	0,850	91.00	0.81	15 30	-	381-0038-0000
- / 40	49.00	4,000	0,850	100.00	0.95	15 30	-	381-0040-0000
- / 42	51.00	4,000	0,800	104.00	0.97	15 30	-	381-0042-0000
1,75 / 44-45	55.00	4,000	0,800	118.00	1.11	15 30	-	381-0045-0000
- / 48	58.00	4,000	0,800	126.00	1.13	-	15 30	381-0048-0000
2 / 50-51	60.00	4,000	0,800	135.00	1.17	15 30	-	381-0050-0000
2,36 / 60	70.00	3,600	0,800	170.00	1.68	15 30	-	381-0060-0000
2,5 / 63-65	76.00	3,600	0,800	228.00	1.80	15 30	-	381-0065-0000
- / 70	81.00	3,600	0,700	245.00	2.10	15 30	-	381-0070-0000
3 / 75-76	89.00	3,600	0,700	262.00	2.25	15 30	-	381-0076-0000
- / 80	94.00	3,600	0,700	275.00	2.54	10 20	-	381-0080-0000
3,5 / 89-90	104.00	3,600	0,700	315.00	2.84	10 20	-	381-0090-0000
4 / 100-102	116.00	3,600	0,700	413.00	3.35	10 20	-	381-0102-0000

Accessories



CONNECT STORZ DIN ALU 251



CLAMP 211