



PVC hose, heavy duty, 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: lavatory waste
- 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

- silo, silo vehicle/ silo truck, tanker/ tank truck: silo charging, silo discharging
- silo, silo vehicle/ silo truck, tanker/ tank truck: 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

- -5°F to 160°F
- short time to 175°F

Design

- BARDUC® design
- spring steel wire spiral embedded in wall
- smooth interior and exterior
- wall: high grade soft PVC
- wall thickness 0.12 to 0.315 in approx., depending on diameter

Delivery variants

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

I.D.	outer Ø	Pressure	Vacuum	Bending radius	Weight	Dimensions in Stock	Production lengths	Order No.
(in / mm)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)	(ft)	
- / 10	0.630	101.528	25.101	0.984	0.101	30 60	-	381-0010-0000
- / 12	0.709	87.024	25.101	1.181	0.141	30 60	-	381-0012-0000
- / 13	0.748	87.024	25.101	1.260	0.155	30 60	-	381-0013-0000
- / 14	0.787	87.024	25.101	1.299	0.168	30 60	-	381-0014-0000
5/8 / 16	0.866	87.024	25.101	1.457	0.181	30 60	-	381-0016-0000
- / 18	0.965	72.520	25.101	1.535	0.195	30 60	-	381-0018-0000
3/4 / 19	1.024	72.520	25.101	1.614	0.208	30 60	-	381-0019-0000
- / 20	1.063	72.520	25.101	1.772	0.215	30 60	-	381-0020-0000
- / 22	1.142	72.520	25.101	1.929	0.235	30 60	-	381-0022-0000
1 / 25	1.299	72.520	25.101	2.874	0.329	30 60	-	381-0025-0000
- / 30	1.535	58.016	25.101	2.953	0.390	30 60	-	381-0030-0000
1,25 / 32	1.575	58.016	25.101	3.110	0.470	30 60	-	381-0032-0000
1,36 / 35	1.732	58.016	25.101	3.268	0.504	30 60	-	381-0035-0000

Positive and negative pressure ratings are the recommended maximum operating values. Products can be manufactured to meet higher operating values upon request. The bend radius is calculated from the center of the hose in an arched position. Additional information at www.norres.com/us/technology/. NORRES reserves the right to modify technical data at any time. Technical data based on tests at 68°F and are approx. values. Proper use and maintenance of NORRES hoses is the sole responsibility of purchaser and ultimate user of the product. The individual conditions, applications and the number of variables make firm recommendations technically impossible. This information is intended as a general guide only.

I.D.	outer Ø	Pressure	Vacuum	Bending radius	Weight	Dimensions in Stock	Production lengths	Order No.
(in / mm)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)	(ft)	
1,5 / 38	1.850	58.016	25.101	3.583	0.544	15 30	-	381-0038-0000
- / 40	1.929	58.016	25.101	3.937	0.638	15 30	-	381-0040-0000
- / 42	2.008	58.016	23.624	4.094	0.652	15 30	-	381-0042-0000
1,75 / 44-45	2.165	58.016	23.624	4.646	0.746	15 30	-	381-0045-0000
- / 48	2.283	58.016	23.624	4.961	0.759	-	15 30	381-0048-0000
2 / 50-51	2.362	58.016	23.624	5.315	0.786	15 30	-	381-0050-0000
2,36 / 60	2.756	52.214	23.624	6.693	1.129	15 30	-	381-0060-0000
2,5 / 63-65	2.992	52.214	23.624	8.976	1.210	15 30	-	381-0065-0000
- / 70	3.189	52.214	20.671	9.646	1.411	15 30	-	381-0070-0000
3 / 75-76	3.504	52.214	20.671	10.315	1.512	15 30	-	381-0076-0000
- / 80	3.701	52.214	20.671	10.827	1.707	10 20	-	381-0080-0000
3,5 / 89-90	4.094	52.214	20.671	12.402	1.909	10 20	-	381-0090-0000
4 / 100-102	4.567	52.214	20.671	16.260	2.251	10 20	-	381-0102-0000

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Accessories



CLAMP 211



CONNECT STORZ DIN ALU 251