

APPLICATIONS

Suction and transport hose, especially suitable:

- For high flow-rates of solids such as grain, granulates and chips
- For gaseous and liquid media
- For silo vehicles
- For the food and pharmaceutical industry
- For the chemical industry

PROPERTIES

- Super-heavy model
- Smooth interior and exterior
- Optimized flow properties
- Flexible
- Very high pressure, vacuum and compression resistance
- High axial strength
- High tensile strength and tear resistant
- Food quality wall complies with: FDA 21 CFR 177.2600 and 178.2010, EC guideline 2002/72/EC incl. the latest amendment 2007/19/EC, German guideline XXXIX BfR polyurethane (see chapt. 14.5)
- Approval according to EC guideline 2002/72/EC incl. the latest amendment 2007/19/EC for the complete hose by independent institute (see chapt. 14.5)
- Odourless and tasteless
- Microbe and hydrolysis resistant
- Good resistance to chemicals (refer to section 14.1)
- Good resistance to UV and ozone (see chapt. 14.8)
- Very good low temperature flexibility (better than comparable ester-polyurethanes)
- Small bending radius
- Kink-proof
- Free of softener and halogen
- Gas and liquid tight
- Pressure resistant
- Vacuum-proof
- Conform to RoHS guideline
- According to TRBS 2153 (formerly BGR 132): capable of electro-static discharge by grounding the spiral, recommended for many applications with the exception of inflammable bulk materials

MATERIAL

- Wall: special premium ether-polyurethane
- Spiral: stainless steel wire (VA)

TEMPERATURE RANGE

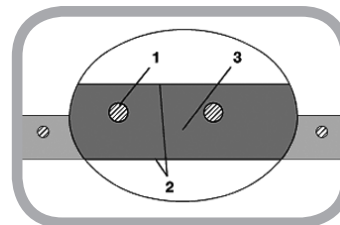
- -40°C approx to +90°C approx
- Short time to +125°C approx

COLOUR

- Transparent

CONSTRUCTION

- 1 Spring steel wire spiral embedded in wall
- 2 Wall interior and exterior smooth
- 3 Wall thickness 4 - 6 mm approx. depending on diameter



Barduc® PUR-VA 382 MHF

I.D	O.D	Recommended Operating Limits		Bending Radius (middle of hose)	Weight	Further Production Lengths	Stock Lengths	Order Number
		Overpressure bar	Vacuum bar					
mm	mm	bar	bar	mm	kg/m	mm	mm	
32	40	5.5	1	160	0.45		10	382-0032-0000
38	46	5.5	1	190	0.59		10	382-0038-0000
40	48	5.5	1	200	0.65		10	382-0040-0000
42	50	5.5	1	210	0.74	10		382-0042-0000
50	58	5	1	250	0.96		10	382-0050-0000
60	68	5	1	300	1.12		10	382-0060-0000
63	71	5	1	315	1.18	10		382-0063-0000
65	73	5	1	325	1.21		10	382-0065-0000
70	78	5	1	350	1.29		10	382-0070-0000
75	83	5	1	375	1.38	10		382-0075-0000
76	84	5	1	380	1.41		10	382-0076-0000
80	88	4	0.9	400	1.46		10	382-0080-0000
100	110	4	0.8	550	1.8		10	382-0100-0000
102	112	4	0.8	561	1.85	10		382-0102-0000
125	135	3	0.605	688	2.22	10		382-0125-0000
127	137	3	0.605	699	2.27	10		382-0127-0000
150	160	2	0.385	825	2.64	10		382-0150-0000
152	162	2	0.385	836	2.69	10		382-0152-0000

Further diameters and lengths available on request. All stated data are approx. figures based on a temperature of 20 °C. Engineering modifications subject to change. Please refer to technical index