

## Barduc® PVC 381



### APPLICATIONS

Universal suction and transport hose, especially suitable:

- For solids such as powder, chips and pellets
- For gaseous and liquid media
- For pressure and vacuum pumps
- For industry, agriculture and construction engineering
- For reducing the ground water level

### PROPERTIES

- Super-heavy model
- Smooth interior and exterior
- Flexible
- Very high pressure, vacuum and compression resistance
- High axial strength
- Good resistance to chemicals (refer to section 14.1)
- Good resistance to UV and ozone
- Gas and liquid tight
- Pressure resistant
- Vacuum-proof
- Very robust
- 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: high grade soft PVC
- Spiral: spring steel wire

### TEMPERATURE RANGE

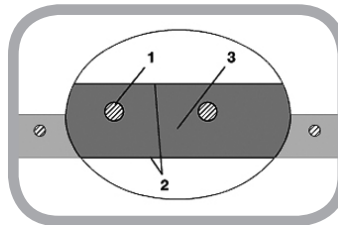
- -20°C approx to +70°C approx
- Short time to +80°C approx

### COLOUR

- Transparent

### CONSTRUCTION

- 1 Spring steel wire spiral embedded in wall
- 2 Wall interior and exterior smooth
- 3 Wall thickness 3 - 8 mm approx. depending on diameter



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I.D	O.D	Recommended Operating Limits		Bending Radius (middle of hose)	Weight	Further Production Lengths	Stock Lengths	Part Number
		Overpressure bar	Vacuum bar					
mm	mm	bar	bar	mm	kg/m	mm	mm	
10	16	7	0.85	64	0.15		30 60	381-0010-0000
12	18	6	0.85	72	0.18		60	381-0012-0000
13	19	6	0.85	76	0.2		30 60	381-0013-0000
14	20	6	0.85	80	0.21	60		381-0014-0000
16	22	6	0.85	90	0.25		60	381-0016-0000
18	24	5	0.85	98	0.29		60	381-0018-0000
19	25	5	0.85	100	0.32		30 60	381-0019-0000
20	26	5	0.85	104	0.35		60	381-0020-0000
22	28	5	0.85	112	0.38		60	381-0022-0000
25	32	5	0.85	128	0.5		30 60	381-0025-0000
30	38	4	0.85	152	0.59		60	381-0030-0000
32	41	4	0.85	164	0.65		30 60	381-0032-0000
35	44	4	0.85	176	0.7		60	381-0035-0000
38	47	4	0.85	188	0.8		30	381-0038-0000
40	50	4	0.85	200	0.87		30	381-0040-0000
42	52	4	0.8	208	0.97		30	381-0042-0000
45	55	4	0.8	220	1.1		30	381-0045-0000
48	58	4	0.8	232	1.18	30		381-0048-0000
50	60	4	0.8	256	1.24		30	381-0050-0000
60	72	3.6	0.8	288	1.7		30	381-0060-0000
63	75	3.6	0.8	300	1.8		30	381-0063-0000
65	77	3.6	0.7	308	1.86		30	381-0065-0000
70	83	3.6	0.7	332	2		30	381-0070-0000
75	89	3.6	0.7	356	2.15	30		381-0075-0000
76	90	3.6	0.7	360	2.2		30	381-0076-0000
80	93	3.6	0.7	372	2.35		20	381-0080-0000
90	104	3	0.7	416	2.9		20	381-0090-0000
102	116	2.4	0.7	464	3.35		20	381-0102-0000
110	124	2	0.65	496	4.8		20	381-0110-0000
125	140	1.5	0.6	560	5.4		20	381-0125-0000
150	166	1.5	0.5	664	6.9	20		381-0150-0000
152	168	1.500	0.500	672	7.00		20	381-0152-0000

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