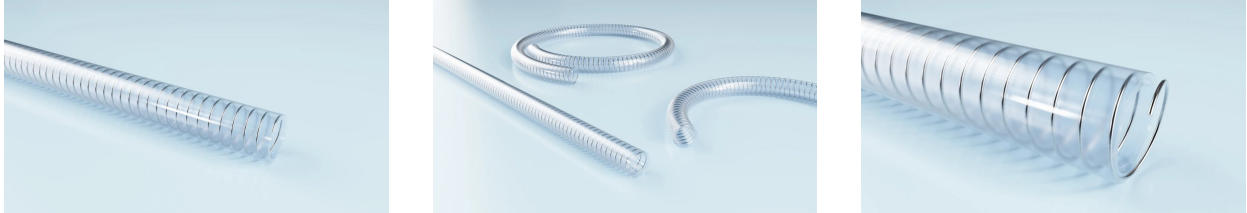


FOOD/PHARMA

# BARDUC PVC 381 FOOD (HD)

Heavy-duty PVC food-grade suction/pressure hose, EU 10/2011 Cat A-D1, 25 dimensions



BARDUC PVC 381 FOOD (HD) is a heavy-duty food-approved suction and pressure hose in PVC with spring-steel spiral. The hose is certified per EU 10/2011 in four categories (A aqueous, B acidic, C alcoholic up to 20%, D1 dairy) by the stricter 10-day test at 40 C - a significantly more rigorous qualification than the standard 5-minute test. With 25 dimensions from ID 10 mm to 101.5 mm, 0.7-0.85 bar vacuum and 3.6-7 bar working pressure, the hose covers many food processes. Typically used for bulk bag charging, feed transport, dosing systems and general food liquid/granulate handling.

**Media:** Gas, Dust, Liquid

**Temp:** -20 °C to 70 °C

✓ Cut to length

## APPLICATIONS

- Bulk bag charging and discharging in food production
- Feed pellets and granulate transport in feed factories
- Aqueous, acidic and alcoholic liquid foods (Cat A, B, C)
- Dairy liquids (Cat D1) - milk, cream, whey
- Vacuum conveyor and dosing systems in pharma and food
- General food liquid/granulate handling where 25 dimensions are required

## Technical specifications

<b>Material</b>	Food-grade PVC (poly-vinyl-chloride) with spring-steel spiral
<b>Colour</b>	transparent
<b>Wall construction</b>	Smooth food-grade PVC wall with embedded spring-steel spiral
<b>Spiral material</b>	Spring-steel wire (indlejret)
<b>Conveying media</b>	Gas, Dust, Liquid
<b>Temperature range</b>	-20 °C – 70 °C
<b>Short-term peak</b>	80 °C
<b>Cut to length</b>	Yes
<b>Manufacturer SKU</b>	3810000

### Standards and compliance

EU 1935/2004, EU 10/2011, GMP EU 2023/2006, LFGB (German food law), REACH, RoHS

## Dimensions and ordering

The hose is supplied in 25 standard sizes from inner Ø 10.0 mm to 101.5 mm. Each size has its own article number. Standard roll length is typically 10 m, and the hose can be cut to length.

Inner Ø [mm]	Outer Ø [mm]	Press. DIN [bar]	Vacuum axial [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
10	16	7	0.85	25	100	0.14	60	38100100000
12	18	6	0.85	30	100	0.19	30, 60	38100120000
13	19	6	0.85	32	100	0.2	30, 60	38100130000
14	20	6	0.85	33	100	0.21	30, 60	38100140000
16	22	6	0.85	37	100	0.24	30, 60	38100160000
18	24.5	5	0.85	39	100	0.29	30, 60	38100180000
19	26	5	0.85	41	100	0.34	30, 60	38100190000
20	27	5	0.85	45	100	0.35	30, 60	38100200000
22	29	5	0.85	49	100	0.38	30, 60	38100220000
25	33	5	0.85	73	100	0.49	30, 60	38100250000
30	39	4	0.85	75	60	0.65	30, 60	38100300000
32	40	4	0.85	79	60	0.69	30, 60	38100320000
35	44	4	0.85	83	60	0.77	30, 60	38100350000
38	47	4	0.85	91	30	0.83	15, 30	38100380000
40	49	4	0.85	100	30	0.87	15, 30	38100400000
42	51	4	0.8	104	30	0.9	15, 30	38100420000
44.5	55	4	0.8	118	30	1.11	15, 30	38100450000
50.5	60	4	0.8	135	30	1.23	15, 30	38100500000
60	70	3.6	0.8	170	30	1.45	15, 30	38100600000
64	76	3.6	0.8	228	30	1.71	15, 30	38100650000
70	81	3.6	0.7	245	30	1.83	15, 30	38100700000
75.6	89	3.6	0.7	262	30	2.42	15, 30	38100760000
80	94	3.6	0.7	275	20	2.65	10, 20	38100800000
89.5	104	3.6	0.7	315	20	3.09	10, 20	38100900000
101.5	116	3.6	0.7	413	20	3.45	10, 20	38101020000

Fields without a value (—) are not specified in the manufacturer's factsheet. Overpressure and underpressure values are recommended operating limits; the product can be subjected to higher loads on request. Bend radius is measured along the inside of the hose bend.

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## Contact and advisory

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