



Rubber transfer hoses



DON® BN 6, BN 8 (SPECIAL)

Robust delivery hose for dry food substances

Inner layer: white SBR/NR rubber

Reinforcement: synthetic cord

Outer layer: black EPDM rubber

Operating temp: -30°C to +70°C

Robust delivery hose for the pneumatic conveying of dry abrasive substances. Inner layer of white, smooth, abrasion-resistant rubber ($\leq 110 \pm 5 \text{ mm}^3$ to ISO 4649, formerly DIN 53516), food-grade, phthalate-free, compliant with FDA 21 CFR 177.2600 for dry food contact and BfR XXI cat.4. Reinforced with synthetic cord. Incorporated **two copper cords** that dissipate electrical charges when earthed (or connected to a grounded end). Outer layer **electrically conductive** rubber, weatherproof and ozone resistant. Suitable for conveying dry foodstuffs: grain, sugar, powders, fodder, granules, etc. and other abrasive substances, e.g. PVC granules, for which a white, non-marking inner layer is required. It is not designed for use in ATEX hazardous areas. It is available in two versions: standard BN (working pressure 6 bar) and BN SPECIAL (working pressure 8 bar).

version	index	diameter interior [mm]	diameter external [mm]	thickness walls [mm]	pressure working [bar]	pressure Burst [bar]	mass [kg/m]	length rolls [m]
BN 6 BAR	IV-DON-BN-051X067	51	67	8	6	18	1,78	60 / 120
	IV-DON-BN-076X094	76	94	9	6	18	2,84	60 / 120
	IV-DON-BN-080X100	80	100	10	6	18	3,34	60 / 120
	IV-DON-BN-090X108	90	108	9	6	18	3,28	60 / 120
	IV-DON-BN-102X120	102	120	9	6	18	3,72	60 / 120
	IV-DON-BN-110X125	110	125	7,5	6	18	3,28	60 / 120
BNS 8 BAR	IV-DON-BNS-038	38	56	9	8	24	1,59	60 / 120
	IV-DON-BNS-051	51	69	9	8	24	2,01	60 / 120
	IV-DON-BNS-075	75	95	10	8	24	3,16	60 / 120
	IV-DON-BNS-080	80	102	11	8	24	3,64	60 / 120
	IV-DON-BNS-090	90	112	11	8	24	4,07	60 / 120
	IV-DON-BNS-102	102	125	11,5	8	24	4,85	60 / 120
	IV-DON-BNS-110	110	130	10	8	24	4,45	60 / 120

Note: indexes highlighted in colour - most commonly used

Cleaning:

hot water	steam	hydrogen peroxide		peracetic acid		phosphoric acid	chlorine	sodium hydroxide		nitric acid	
		1%	3%	0,1%	0,5%	5%	1%	2%	5%	0,1%	3%
80°C / 8 h	max 110°C / 15 min	max 50°C / 10 min	max 30°C / 10 min	max 30°C / 10 min	max 30°C / 10 min	max 50°C / 15 min	max 70°C / 15 min	max 70°C / 10 min	max 30°C / 10 min	max 50°C / 10 min	max 30°C / 10 min

Standards and requirements:

Food industry, food contact: 1935/2004/EC, 2023/2006/EC (GMP). Inner layer in compliance with FDA 21 CFR 177.2600 for dry food substances, BfR XXI cat.4.



DON BN SPECIAL hose DN102 assembled with TANKWAGEN tank fitting (TW-VK- 100-SS) in AISI 316 stainless steel 4" BSP male threaded end (GD-VSLB-100-100-SS) in AISI 316 steel mounted to the hose with an aluminium shell clamp (TI-SC-100-120-AL). Be sure to pull the 2 copper lines inside so that they make contact with the end.

