



Hot air hoses for unloading silos

Tankers (silos) for transporting bulk materials (cement, sand, lime, ash, granulates, fodder, flour, sugar, etc.) usually have a pneumatic unloading system using compressed air. The air, which has a pressure of several bar, is supplied from a compressor installed on a semi-trailer or tractor unit and distributed through a system of pipes and flexible hoses into the chambers of the tanker to aerate (aerate) the product and into the unloading hopper, causing the product to be emptied into the tanker. As a result of compression, the air heats up and its temperature (depending on the ambient temperature, the type of compressor and the possible use of a cooler) can reach over 200°C.



The hoses used in the system should be resistant to hot, non-oiled air. This type of hose can also be used in stationary industrial pneumatic conveying systems.



SAHARA[®] BD

Hot air delivery hose Inner layer
White EPR

rubber

Reinforcement: Synthetic cord
Outer layer: Blue EPDM rubber

Operating temp: -40°C to +200°C
(temporarily up to +240°C)

Thick, strong, flexible, kink-resistant delivery hose designed to transfer hot, dry air from the compressor to the tanker tank installation. Used in bulk road tankers: cement trucks, feed trucks, etc. and other industrial installations. Ozone and weather resistant outer layer.

index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	working pressure [bar]	Bursting pressure [bar]	mass [kg/m]	Roll length [m]
IV-SAHARA-BD-025	25	41	8	10	30	0,88	60 / 120
IV-SAHARA-BD-032	32	48	8	10	30	1,06	60 / 120
IV-SAHARA-BD-038	38	54	8	10	30	1,22	60 / 120
IV-SAHARA-BD-040	40	56	8	10	30	1,27	60 / 120
IV-SAHARA-BD-051	51	69	9	10	30	1,80	60 / 120
IV-SAHARA-BD-060	60	78	9	10	30	2,12	60 / 120
IV-SAHARA-BD-063	63,5	82	9,25	10	30	2,29	60 / 120
IV-SAHARA-BD-076	76	93	8,5	10	30	2,50	60 / 120
IV-SAHARA-BD-076-94	76	94	9	10	30	2,55	60 / 120
IV-SAHARA-BD-090	90	108	9	10	30	3,05	60 / 120
IV-SAHARA-BD-102	102	125	11,5	10	30	4,52	60 / 120

Note: indexes highlighted in colour - most commonly used

SAHARA BD DN25 hose assembled with stainless steel end with BSP 1" male thread (GD-VSLB-025-025-SS) clamped with an aluminium shell clamp.

