



Aircraft refuelling hoses



MANITANK AVIO "C"

Pressure hose for aircraft refuelling Layer

inside: black NBR rubber
Reinforcement: synthetic cord
Outer layer Black CR rubber
Operating temp: -30°C to +70°C (for fuel aviation according to EN 1825)

A very strong aviation fuel delivery hose, designed for direct pressure refuelling of aircraft on the ground. It can also be used in airport tanker-dispenser fuel transfer operations, in operations that do not require high vacuum. Specifically designed for paraffin (aviation paraffin - fuel for aircraft turbine engines, e.g. JET A1), aviation gasoline and fuels with up to 50% aromatic hydrocarbons. Can be used on drum reels.

Inner layer of black, smooth, anti-static NBR rubber. Reinforced with layers of high-strength synthetic cord. Outer layer in black, antistatic, self-extinguishing chloroprene rubber (CR), resistant to abrasion, contact with hydrocarbons, weather conditions. **The antistatic outer layer, in accordance with the requirements of EN ISO 1825, ensures the required low resistance of the cable between terminations ($10^3 \Omega < R < 10^6 \Omega$, ISO 8031).**

Complies with the requirements for aviation fuel hoses (type C/Ω) EN ISO 1825, EN 1361, BS 3158, EI 1529.

Chemical **resistance check:** NBR **chemical** resistance table (pre-selection), confirmation of resistance and conditions of use by Tubes International.

index	diameter interior [mm]	diameter external [mm]	thickness walls [mm]	pressure working [bar]	pressure Burst [bar]	vacuum [bar]	radius bends [mm]	mass [kg/m]	min. DN drum [mm]	length rolls [m]
MT-MANITANK-AVIO-C-019	19	31	6	20	80	0,5	100	0,70	225	40
MT-MANITANK-AVIO-C-025	25	38,5	6,75	20	80	0,4	125	0,98	300	40
MT-MANITANK-AVIO-C-032	32	46	7	20	80	0,4	140	1,20	375	40
MT-MANITANK-AVIO-C-038	38	52	7	20	80	0,4	180	1,35	450	40
MT-MANITANK-AVIO-C-050	50	65	7,5	20	80	0,3	215	1,80	550	40
MT-MANITANK-AVIO-C-063	63,5	81	8,75	20	80	-	230	2,75	600	40
MT-MANITANK-AVIO-C-075	75	93,5	9,25	20	80	-	230	3,40	600	40
MT-MANITANK-AVIO-C-100	100	122	11	20	80	-	345	4,40	900	40



MANITANK AVIO "E"

Aviation fuel handling and transfer hose Lining: black NBR rubber

Reinforcement: synthetic cord, steel spiral
Outer layer Black CR rubber
Operating temp: -25°C to +70°C (for fuel aviation according to EN 1825)

A very robust suction and delivery hose designed for the transfer and handling of aviation fuel. Specifically designed for kerosene (fuel for aircraft turbine engines, e.g. JET A1), aviation gasoline and fuels with up to 50% aromatic hydrocarbons. Can be used on drum reels.

Inner layer of black, smooth, **anti-static** NBR rubber. Reinforced with layers of high-strength synthetic cord and steel spiral with galvanised protective coating. **Features copper cords to ensure electrical continuity ($R < 100 \Omega$) between hose ends and dissipate static electricity - provided the cords are properly connected to the ends.** Outer layer of black, conductive, self-extinguishing chloroprene rubber (CR), resistant to abrasion, contact with hydrocarbons, weather conditions.

Complies with the requirements for aviation fuel hoses (type E/M) EN ISO 1825, EN 1361, BS 3158, EI 1529.

Chemical **resistance check:** NBR **chemical** resistance table (pre-selection), confirmation of resistance and conditions of use by Tubes International.

index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	working pressure [bar]	Bursting pressure [bar]	vacuum [bar]	bend radius [mm]	mass [kg/m]	min. Drum DN [mm]	Roll length [m]
MT-MANITANK-AVIO-E-025	25	38,5	6,75	20	80	0,9	125	1,00	300	40
MT-MANITANK-AVIO-E-032	32	46	7	20	80	0,9	140	1,45	375	40
MT-MANITANK-AVIO-E-038	38	52	7	20	80	0,9	180	1,68	450	40
MT-MANITANK-AVIO-E-050	50	65	7,5	20	80	0,9	215	2,05	550	40
MT-MANITANK-AVIO-E-063	63,5	81	8,75	20	80	0,9	230	3,00	600	40
MT-MANITANK-AVIO-E-075	75	93,5	9,25	20	80	0,9	230	3,80	600	40
MT-MANITANK-AVIO-E-100	100	120	10	20	80	0,9	345	4,40	900	40

