Composite hoses - biofuel



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AERO STAR

High-quality aviation fuel hose

Inner layer: polyamide (layer of fabric, film)
Reinforcement: inner / outer spiral, polypropylene (fabric layers)
Cover: abrasion and weather resistant PVC-coated fabric
Working temp.: from -40°C up to +100°C



High-quality composite hose for the transfer of special aviation fuels, jet engine fuels (JET A-1 and JP-6), jet engine biofuels, synthetic fuels (SPK - *Synthetic Paraffinic Kerosene*) and aviation turbine fuels (ATF - *Aviation Turbine Fuel*, also abbreviated *avtur*). Features high chemical resistance and robust construction. Safety factor 4:1 (HD - Heavy Duty - 5:1). AA version (aluminium inner and outer spiral) with significantly lower weight for easier hose handling.

Application: Transfer systems, filling - discharge (UNO), unloading and loading of road and rail tankers, industrial installations, permanent equipment of road tankers.
Standards: SMeets EN 13765:2018 requirements (type 3), compliant with Australian standards AS 2683 and NAHAD recommendations (NAHAD 600/2005).
Assembly: Supplied as ready-made lines with end fittings.
Available versions: SG, SS, AA – differing in the material of the inner and outer spiral.

Chemical resistance check: chemical resistance table for polyamide and spiral material (preliminary selection), resistance and application conditions to be confirmed by Tubes International.

index (versions - inner / outer spiral)		diameter inner. [mm]	pressure working [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	max. length [m]
SG – AISI 316 stainless steel / galvanised steel	SS – AISI 316 stainless steel / AISI 316 stainless steel						
HEAVY DUTY (HD)							
SO-AEROSTAR-SGHD-025	SO-AEROSTAR-SSHD-025	25	16	0,9	100	0,94	40
SO-AEROSTAR-SGHD-038	SO-AEROSTAR-SSHD-038	38	16	0,9	140	1,49	40
SO-AEROSTAR-SGHD-050	SO-AEROSTAR-SSHD-050	50	16	0,9	180	2,18	40
SO-AEROSTAR-SGHD-065	SO-AEROSTAR-SSHD-065	65	16	0,9	220	3,09	40
SO-AEROSTAR-SGHD-075	SO-AEROSTAR-SSHD-075	75	16	0,9	180	3,66	40
SO-AEROSTAR-SGHD-100	SO-AEROSTAR-SSHD-100	100	16	0,9	400	5,28	40

AA version index (inner / outer spiral: aluminium / aluminium)	diameter inner [mm]	pressure working [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	maximum length [m]
LIGHT DUTY (LD)						
SO-AEROSTAR-AALD-025	25	10	0,7	100	0,77	25
SO-AEROSTAR-AALD-038	38	10	0,7	140	1,13	25
SO-AEROSTAR-AALD-050	50	10	0,7	180	1,75	30
SO-AEROSTAR-AALD-065	65	10	0,7	205	2,10	25
SO-AEROSTAR-AALD-075	75	10	0,7	280	2,40	30
SO-AEROSTAR-AALD-100	100	10	0,9	395	3,90	30



AEROSTAR AA DN 75 (3") hose with 3" CAMLOCK coupler (AC-DU-300-A) in aluminium screwed onto a male-thread end (DT-KGZ-075-A). Assembly by means of a ferrule (DT-T-075-A) intended for this type of end with a spiral "tail".