

Hoses for fuel systems of small vessels, boats and yachts



POSEIDON, POSEIDON LL

Fuel hose for boats and yachts 10 bar Inner

layer: black synthetic rubber

Reinforcement: synthetic cord (POSEIDON)
synthetic cord, steel helix (POSEIDON LL)

Outer layer Synthetic rubber

Operating temp: -30°C to +100°C

Flexible, highly flexible, fire-resistant petrol and diesel transfer hose for small vessels - pleasure craft up to 24 m in length. Hose with a working pressure of 10 bar, manufactured by the core method. Suitable for inboard engine fuel systems on ships, motor boats, yachts, etc. Suitable for unleaded petrol, petrol with up to 10% ethanol (E10 petrol), diesel and diesel with up to 10% FAME esters (B10 - biodiesel). Conforms to ISO 7840 type A1 (flame-retardant, fuel vapour permeability less or equal to 100 g/m²/24 h), complies with Directive 94/25/EC, RINA certified, conforms to SAE 1527, USCG type A1.

Inner layer of black, smooth synthetic rubber, resistant to oils and fuels up to 50% aromatic hydrocarbons. Reinforced with layers of synthetic cord and, for POSEIDON LL hose, additionally with a steel spiral. Outer layer of black, self-extinguishing synthetic rubber, oil and weather resistant (fire resistance: ISO 7840 Annex A: a hose filled with fuel should withstand a flame for 2.5 minutes).

POSEIDON: The POSEIDON hose is a soft delivery hose without steel spiral reinforcement. The manufacturer recommends installing POSEIDON hoses with a diameter of more than 19 mm in the installation in straight sections or with a soft (large) bend radius. The hose is used in particular in the filling installation of boat fuel tanks. Upon special request, POSEIDON hoses with smaller diameters (6, 8, 10, 13, 16 and 19 mm - the same as POSEIDON EX) with an operating pressure of 10 bar are available.

POSEIDON LL: The POSEIDON LL hose is additionally reinforced with a steel spiral for vacuum and kink resistance. The hose is very flexible, its minimum bend radius corresponds to just three times the inside diameter and can be easily installed in the tight spaces of the boat's engine compartment. The hose's versatility of use and high quality make it readily and frequently used by manufacturers of larger motor yachts.

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]	bend radius [mm]	mass [kg/m]	Roll length [m]
POSEIDON (delivery hose, without helix, smaller diameters available on request)								
IV-POSEIDON-22	22	32,5	5,25	10	30	~	0,61	60 / 120
IV-POSEIDON-25	25	35,5	5,25	10	30	~	0,68	60 / 120
IV-POSEIDON-30	30	40,5	5,25	10	30	~	0,79	60 / 120
IV-POSEIDON-32	32	42,5	5,25	10	30	~	0,83	60 / 120
IV-POSEIDON-35	35	45,5	5,25	10	30	~	0,89	60 / 120
IV-POSEIDON-38	38	48,5	5,25	10	30	~	0,97	60 / 120
IV-POSEIDON-40	40	50,5	5,25	10	30	~	0,96	60 / 120
IV-POSEIDON-45	45	55,5	5,25	10	30	~	1,07	60 / 120
IV-POSEIDON-50	50	60,5	5,25	10	30	~	1,17	60 / 120
IV-POSEIDON-60	60	71,5	5,75	10	30	~	1,57	60 / 120
POSEIDON LL (suction and discharge hose, with reinforcement spiral)								
IV-POSEIDON-LL-16	16	27,5	5,75	10	30	48	0,67	60 / 120
IV-POSEIDON-LL-19	19	30,5	5,75	10	30	57	0,75	60 / 120
IV-POSEIDON-LL-25	25	36,5	5,75	10	30	75	0,93	60 / 120
IV-POSEIDON-LL-32	32	44	6	10	30	96	1,18	60 / 120
IV-POSEIDON-LL-35	35	47	6	10	30	105	1,27	60 / 120
IV-POSEIDON-LL-38	38	50	6	10	30	114	1,36	60 / 120
IV-POSEIDON-LL-45	45	58	6,5	10	30	135	1,71	60 / 120
IV-POSEIDON-LL-50	50	63	6,5	10	30	150	1,88	60 / 120
IV-POSEIDON-LL-63	63,5	77	6,75	10	30	190	2,55	60 / 120

Note: Indexes highlighted in colour - most commonly used.

POSEIDON LL hose DN25 with BSPT 1" male threaded end in AISI 316 stainless steel (NM-VT123-16), mounted with a stainless steel FLEX GEAR spring clamp (AB-847024). The spring clamp ensures good clamp retention with changes in temperature and pressure.

