



## Hoses for fuel systems of small vessels, boats and yachts

Hoses for fuel installations of small ships, boats, motor yachts, in addition to resistance to fuel, must meet specific requirements related primarily to fire resistance and installation in tight spaces boats, directly in contact with crew rooms. One important requirement of the standards is to limit the slow penetration of fuel vapour through the hose wall surface. Only good quality fuel hoses, meeting the requirements of the standards and certified by recognised classification bodies, should be used in powerboats.



### POSEIDON EX

**Fuel delivery hose for boats and yachts**

- Layer inside:** black synthetic rubber
- Reinforcement:** synthetic braid
- Outer layer** Black synthetic rubber
- Operating temp:** -20°C to +100°C

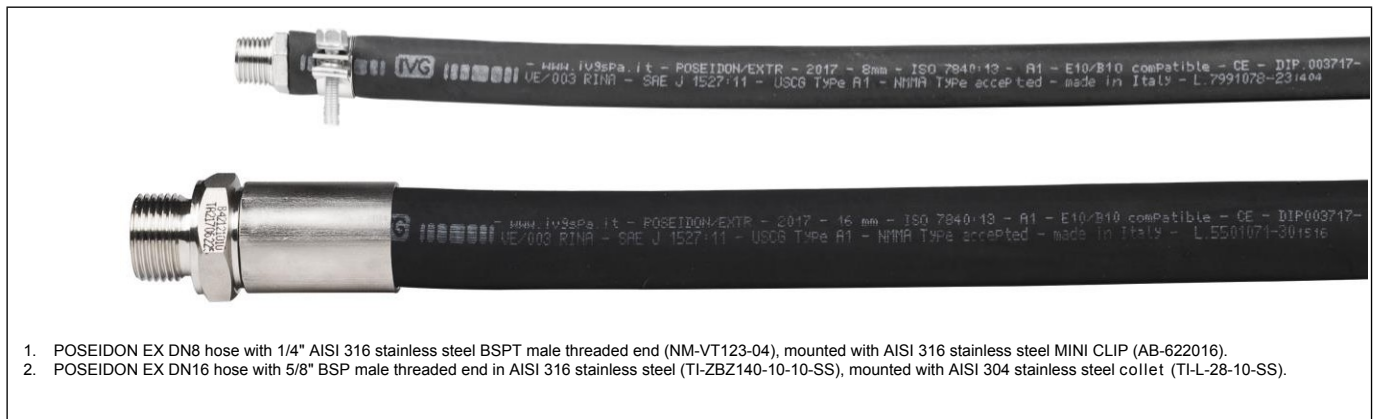
Soft, flexible, extruded delivery hose for the transfer of petrol and diesel at low pressure, fire resistant, for small vessels - pleasure boats up to 24 m in length. Suitable for inboard engine fuel systems on ships, motor boats, yachts, etc. Suitable for unleaded petrol, petrol with up to 10% ethanol (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/m<sup>2</sup>/24 h), complies with Directive 94/25/EC, RINA certified, conforms to SAE 1527, USCG type A1.

Inner layer of black seamless synthetic rubber, resistant to oils and fuels up to 50% aromatic hydrocarbons. Reinforced with synthetic textile braid. Outer layer of black, fire-resistant, seamless synthetic rubber, resistant to ageing, grease, weathering and temperature (fire resistance: ISO 7840 Annex A: a hose filled with fuel should withstand a flame for 2.5 minutes).

**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]	bending radius [mm]	mass [kg/m]	Roll length [m]
IV-POSEIDON-EX-06	6	14	4	3,4	13,6	45	0,22	40
IV-POSEIDON-EX-08	8	16	4	3,4	13,6	55	0,27	40
IV-POSEIDON-EX-10	10	19	4,5	3,4	13,6	65	0,36	40
IV-POSEIDON-EX-13	13	22	4,5	2,5	10	80	0,43	40
IV-POSEIDON-EX-16	16	25	4,5	2,5	10	100	0,50	40
IV-POSEIDON-EX-19	19	28	4,5	2,5	10	110	0,58	40

Note: Indexes highlighted in colour - most commonly used.



1. POSEIDON EX DN8 hose with 1/4" AISI 316 stainless steel BSPT male threaded end (NM-VT123-04), mounted with AISI 316 stainless steel MINI CLIP (AB-622016).
2. POSEIDON EX DN16 hose with 5/8" BSP male threaded end in AISI 316 stainless steel (TI-ZBZ140-10-10-SS), mounted with AISI 304 stainless steel collet (TI-L-28-10-SS).

