



## Hoses for motor boats and yachts

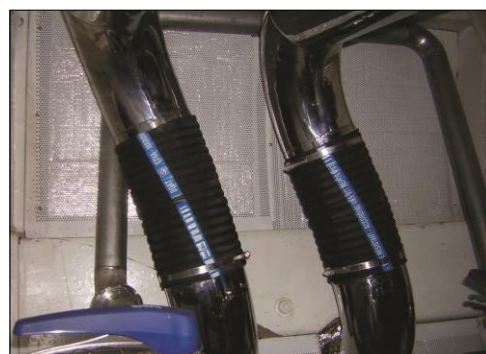


### ETNA

**Motorboat wet exhaust hose** Inner layer black synthetic rubber (CR)  
**Reinforcement:** synthetic cord, steel spiral  
**Outer layer** Black corrugated rubber synthetic (CR)  
**Operating temp:** -30°C to +100°C

Lightweight, highly flexible suction and discharge hose for water-cooled exhaust systems of diesel engines in motor boats and yachts (low-pressure free ejection of mixed exhaust gas and cooling water). Used for short lengths between system pipes. Flame-retardant inner layer. Outer layer resistant to fire and weather conditions. Vacuum resistant. Complies with Lloyds type certificate LR2003377TA, VTT approved in accordance with Nordic Boat Standard MC9.

index	internal diameter [mm]	Bursting pressure* $\geq$ [bar]	bend radius [mm]	mass [kg/m]	Roll length [m]
IV-ETNA-032	32	2	130	0,65	60
IV-ETNA-038	38	2	150	0,74	60
IV-ETNA-040	40	2	160	0,77	60
IV-ETNA-045	45	2	170	0,86	60
IV-ETNA-051	51	2	180	1,06	60
IV-ETNA-058	58	2	190	1,20	60
IV-ETNA-063	63,5	2	200	1,30	60
IV-ETNA-076	76	2	250	1,46	60
IV-ETNA-090	90	2	330	1,71	60
IV-ETNA-102	102	2	410	2,05	60
IV-ETNA-127	127	2	560	2,58	60
IV-ETNA-152	152	2	680	3,18	60
IV-ETNA-203	203	2	995	5,50	60



\* The stated minimum burst pressure value presents compliance with the approval requirements of the certificates.



### SANITARY STAR

**Water and waste water hose for boats and yachts** Inner layer white synthetic rubber  
**Reinforcement:** synthetic cord, steel spiral  
**Outer layer** White synthetic rubber  
**Operating temp:** -30°C to +100°C

Specialised suction and discharge hose for water and waste water in sanitary installations on ships, motor boats, yachts, etc. Odourless and odour-proof hose for waste water discharge to the outside (5-year guarantee). Marine and weather resistant outer layer. Vacuum resistant. Compliant with EN ISO 8099. SANITARY STAR / 7 version with 7 bar working pressure available on request.

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]
IV-SANITARY-S-016	16	24	4	3	9	50	0,38	60 / 120
IV-SANITARY-S-019	19	27	4	3	9	60	0,43	60 / 120
IV-SANITARY-S-025	25	33	4	3	9	75	0,54	60 / 120
IV-SANITARY-S-038	38	46,5	4,25	3	9	150	0,87	60 / 120

SANITARY STAR DN25 hose with STORZ brass coupling (ST-12-031025-30X) clamped with AISI 316 stainless steel worm band used on a marine patrol boat. Typically, the hose is installed in sections inside the boat's hull between the sanitary piping spigots.

