

OIL SUCTION AND DISCHARGE HOSE FOR ON-SHORE, OFF-SHORE AND DOCK OPERATIONS

SPECIFICATION FOR OIL SUCTION & DISCHARGE HOSE		IS: 8189 – 1976	BS: 1435 – 1968	ISO/R: 1823 – 1970						
SCOPE		KANTA SYSTEM of Oil Suction & Discharge hose is for use in On-shore, Off-shore & Dock operations for Petroleum and blended products having low aromatic hydrocarbons contents and Non-toxic edible oil products for the temperature ranging from - 20 to + 120 degree Centigrade								
MATERIAL AND HOSE CONSTRUCTION		Inner tube	The smooth rubber lining is made out of synthetic rubber compound (NBR/Buna N), resistant to oils & petroleum-based products. It can be made with non-toxic compound for edible oils.							
SMOOTH BORE	ROUGH BORE									
Rubber Lining	Wire Helix	Reinforcement	Synthetic textile woven fabric plies with G.I. wire helices embedded in layers of reinforcement plies.							
Reinforcement	Reinforcement									
Wire Helix	Rubber Lining									
Filler compound	Reinforcement	Outer cover	A rubber cover made out of synthetic rubber compound (CR), resistant to weather and ageing coated over the reinforcement plies, compressed by woven textile fabric. The cover will be either smooth or corrugated finish as per choice of the buyer for his use. External wire armouring can be done for external protection.							
Reinforcement	Wire Helix									
Wire Helix	Filler compound									
Filler compound	Reinforcement									
Reinforcement	Outer Cover									
Outer Cover	Wire armoured									
DIMENSION &		NOMINAL BORE (I.D.)		BEND RADIUS IN METER (SMOOTH BORE)			BEND RADIUS IN METER (ROUGH BORE)			
		INCH	M.M	TYPE 1	TYPE 2	TYPE 3	TYPE 1	TYPE 2	TYPE 3	
PRESSURE RATING: Type 1 – 07 Kg/cm ² Type 2 – 10 Kg/cm ² Type 3 – 15 Kg/cm ²		3.00	075	0.70	0.85	-	0.85	1.00	-	
		4.00	100	1.00	1.00	-	1.10	1.25	-	
		6.00	150	1.40	1.60	2.00	1.60	1.85	2.15	
		8.00	200	1.85	2.15	2.80	2.15	2.50	3.10	
		10.00	250	-	2.70	3.40	-	3.10	3.70	
HOSE CAN BE MADE WITH BUILT-IN (INTEGRAL) VULCANIZED END FLANGES		12.00	300	-	3.30	4.00	-	3.70	4.00	
		Hose Length		15M up to 4"		12M for 6" & 8"		6M for above 8"		
		TENSILE STRENGTH (MINM)				ELONGATION (MINM)				
		*****				*****				
		PHYSICAL PARAMETERS		Before Ageing	After Ageing		Before Ageing	After Ageing		
Inner tube/ Lining		7.00 Mpa	+/-	25%	250%	+	10% to 40%			
Outer cover		7.00 Mpa	+/-	25%	300%	+	10% to 40%			
ADHESION STRENGTH BETWEEN HOSE COMPONENTS				Not less than 2 kPa (4.5kgf)						
VACUUM RESISTANCE				83 kPa (500 mm of Mercury)						
PRESSURE RATINGS: -										
Recommended operating pressure				7, 10 & 15 KSC, depends on type of the hose						
Hydro test pressure				1.5 times of the operating pressure						
Minimum Bursting Pressure				4.0 times of the operating pressure						
Hose is guaranteed for the period of 12months from the date of manufacturing or 9months from the date of commissioning whichever is earlier, against manufacturing defects for operational requirement only. Warrantee also limits to replacement only, for the defective quantity after our evaluation. Due to our continuous research the given data can be modified without any prior notice for development.										