

TECHNICAL SPECIFICATION:

Thermoplastic High Pressure Hose

2 Inch ID Rated for 3750 & 5000 PSI Working Pressures

Key Features

Hydrasun introduces two new products specifically designed for offshore applications. Following the tradition of all our products these hoses will provide many years of safe and reliable service in the most challenging environmental conditions.

Applications

- High flow rate applications
- Methanol injection
- Gas Lift applications
- Other injection and controls

Specifications

- 3394-32 hose is rated for 3,750 PSI working pressure with full API 17E rating and 4:1 WP to Burst ratio
- 3395-32 hose is rated for 5,000 PSI working pressure and 3:1 WP to Burst ratio
- Both products exceed 200,000 impulse test cycles
- Operating Temperature -40°C to 72°C (-40°F to 160°F)
- Lightweight at only 130 pounds per 100 ft.
- Patent-pending Guardian™ overlay



Construction

- Cover – Black Polyurethane
- Reinforcement – Kevlar® aramid fiber
- Core Tube – P40TLO grade Nylon 11

End Fittings

- 316 stainless steel (other grades available)
- Code 62 Flange
- 2" butt weld
- 2" Hammer Union (Fig. 1502)

Benefits

- Lightweight and flexibility allows use of smaller, lighter reels making for faster and easier deployment.
- Near negative buoyancy allows longer lengths without floats or cranes.
- Long continuous lengths up to 750m (2460') eliminate heavy and bulky connections.

PART	Nominal I.D.		Nominal O.D.		MAX operating pressure		BURST PPRES-SURE		BURST TO WP RATIO		WEIGHT		MINIMUM BEND RADIUS	
	mm	inch	mm	inch	bar	psi	bar	psi	ratio	KG/100m	lb/100ft	in	mm	
3394-32 3395-32	51	2	71	2.79	259 345	3,750 5000	1035	15,000	4:1 3:1	134	200	25	635	

Hose Buoyancy

3394-32 & 3395-32 Hose Weight ⁵					
	Weight in air		Weight in Seawater ^{2,3}		
	Unfilled	Filled ¹	Unfilled ³	Filled ¹	
KG/100 m	200	408	-206	2.00	KG/100 m
lbf/100 ft	134	274	-138	1.34	lbf/100 ft

Hose Buoyancy with Guardian™ Overlay

3394-32 & 3395-32 Hose Weight (with Overlay ⁴)					
	Weight in air		Weight in Seawater ^{2,3}		
	Unfilled	Filled ¹	Unfilled ³	Filled ¹	
KG/100 m	307	515	-197	11.0	KG/100 m
lbf/100 ft	206	346	-132	7.39	lbf/100 ft

¹ Reference Fluid Specific Gravity = 1.029

Reference Fluid = 208.0 kg/100 m of hose (139.8 lbs./100ft of hose)

Hose ID (ref) = 2.00 in 50.8 mm

² Seawater Density = 1029 kg/m³ (64.24 lbs./ft³)

³ Positive value is downward (sinking). Negative is buoyant.

⁴ Overshealth OD (ref) = 3.11 in 79.0 mm

⁵ Hose OD (ref) = 2.79 in 70.9 mm

Note: Only nominal hose and fluid weight are considered. Volumetric expansion, fitting weight, clump weight and dynamic loading are not considered.



Hydrasun B.V.
Overwegwachter 2
3034 KG Rotterdam
Tel: +31 (0)10 4049044
e-mail: rotterdam@hydrasun.com
www.hydrasun.com

