

RTP HS HDPE PIPE – High Pressure

DS 638 E 1116



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Technical Data

Pipe System for high pressure applications made of HDPE polyolefin material.

Kind of Pipe	3 Layer synthetic steel reinforcement pipe system
Application	Gas distribution, oil well hook-up lines, water injection, flow lines in buried, offshore or onshore/under water installation
Materials	Inner HDPE PE 100 liner, Mid layer of steel, Cover layer of uv-stabilized PE 100
RTP HS Pipe	RTP HS Pipe is available for pressures from 64 bar – 100 bar operating pressure
Sizes	ID 75 - 150 mm
Duct Length	Coils of 185 – 2000 m depending on size
Material Properties	HDPE Polyethylene PE 100
Colors	White. Other colours on request.
Product Properties	<p>Advantages of RTP HF Pipes</p> <ul style="list-style-type: none"> • High pressure flexible plastic pipeline system. Max continuous operating pressure 64-120 bar depending on size. Max HDB – Hydrostatic Design Basis 80-150 bar. • Minimum bending radius of only 1,0 -2,0 m (depending on size) can avoid fittings like bends • Easy and fast onshore installation up to 1000 m/day • Easy and fast offshore underwater installation up to 1000m/day by big savings in less pipe laying barge rental days • Low friction, high throughput. Flow capacity of RTP HS pipe size 5' is same as 6' steel pipe due very low inner HDPE friction • Fully corrosion resistant • No maintenance • Low friction, high throughput • High Impact Strength • Good Fire resistance • Max Gas Service temperature 20°C • Max Hydrocarbon Fluid and Water Service temperature 65°C • Subsea shallow water installation up to -30m • Very cost effective compared to steel pipe in corrosive environments
Jointing	<ul style="list-style-type: none"> • Special connection fittings for pipe to pipe, pipe to other fittings • Flange coupler
Fittings	Bends, Tees, Crosses, Reducers and Flanges available
Certified Standards	API 17J, API 17K, API 15S
Customer Approvals	KOC, Saudi Aramco, Oman Oil
Options	<p>RTP LF (<40 bar @ 65°C))</p> <p>RTP MF / MF-RT (40 – 100 bar @65/85°C)</p> <p>RTP HF / HF-RT (64-120 Bar @ 65/85°C)</p> <p>RTP HS / HS-RT (50-100 bar @65/85°C)</p> <p>RTP US / US-RT (100-160 bar @ 65/85°C)</p> <p>LPS – Line Pipe System</p>

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