

## RTP US 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.**

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