

## HDPE DOUBLE PIPE System

DS 640 E 0804



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Technical Data

## Safety Double Pipe System in PE 80 or PE 100 including control system

<b>Kind of Duct</b>	Solid double pipe with smooth surface inside and outside preferable supplied in HDPE grade PE 80 or PE 100. Other materials on request.
<b>Applications</b>	Critical medium transportation for e.g. chemical industry, nuclear power plants, landfill, drinking water transportation in contaminated grounds, drinking water in marine pipelines
<b>Production Norm</b>	No norm available. Pipes according ASTM D 3035, F 714, EN 13244, ISO 161-1. Production certified to ISO 9001
<b>Wall thickness</b>	Standard Dimension Ratio SDR classes 7-32 available
<b>Pipe colors</b>	<ul style="list-style-type: none"> <li>• Sewage pipe in black or black with brown lines</li> <li>• Drinking water pipes in blue or black with blue lines</li> <li>• Natural gas pipes in yellow (PE80) or orange (PE100) or black with yellow lines (PE 80)</li> <li>• Industrial pipes, Vent pipes, Cooling water pipes, Landfill pipes in black</li> </ul>
<b>Sizes</b>	20 – 1600 mm in SDR classes 7-32.
<b>Length</b>	Standard length 5,8 or 11,8 m. Other length on request.
<b>Advantages</b>	<ul style="list-style-type: none"> <li>• High durability and expected service life of 100 years</li> <li>• Outer control pipe to monitor pressure lost or gas permeation of inner pipe</li> <li>• Outer control pipe to take inner pipe medium in case of failure</li> <li>• Outer control pipe available in same or other pressure resistance class</li> <li>• Other double pipe material combinations as HDPE/PP, PVDF/PP or PVDF/HDPE available</li> <li>• Low maintenance and cleaning costs</li> <li>• Safe and perfect welding or joint tightness</li> <li>• Best chemical resistance</li> <li>• Best mechanical resistance (abrasion and impact resistance, low fractures)</li> <li>• Best hydraulic due to smooth inner surface. No infiltration or exfiltration, no root penetration</li> <li>• High flexibility</li> <li>• Easy to handle (low weight)</li> <li>• High temperature resistance (-40°C to +80°C)</li> </ul>
<b>Jointing</b>	<ul style="list-style-type: none"> <li>• Buttwelding according ASTM D 2657, DVS 2207 or BS 5955 Part 7 by using special buttwelding equipments</li> <li>• Electrofusion with electrofusion fittings</li> </ul>
<b>Material</b>	Preferable High Density Polyethylen Grade PE 80 or PE 100 acc ASTM D 3350 min grade PE 345444 C, or ISO 1872. Other materials on request.
<b>Fittings</b>	All kind of fittings e.g. bends, tees, flanges, stub ends, transitions, shafts, manholes, couplers
<b>Options</b>	<ul style="list-style-type: none"> <li>• Electronic external pipeline monitoring system.</li> </ul>
<b>Installation Service</b>	We offer welding and pipeline installation from approved welding specialists.
<b>Welding Equipment Rental</b>	We offer big variety of welding equipments for rental or sale and service in the field.

Contact us for more details.

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