

HDPE DOUBLE PIPE System

DS 640 E 0804



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Technical Data

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

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

Contact us for more details.

Discover PESTEC. Discover our ideas.

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