





HD-PE pipe systems – introduction and basic elements

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Summary – Theoretical part

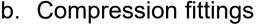
- 1. Access to potable water basic human need
- 2. HD-PE pipe systems vs "classic" pipe systems
- 3. Production of Electrofusion, Compression and Butt-welding Fittings
- 4. Basics of fabrication: Injection molds (fittings) and extruder lines (pipes)
- 5. Quality control
- 6. Main application fields (water & gas supply, waste water, irrigation etc)
- 7. Worldwide solutions
- 8. Anatomy of a compression fitting
- 9. Anatomy of a push fitting
- 10. Anatomy of an electrofusion fitting
- 11. HD-PE pipes: pressure rates, SDR
- 12. Standards and norms
- 13. Waste water systems and product range
- 14. Assembling and fusion methods
- 15. Electrofusion process, machines and tools
- 16. Butt-fusion process, machines and tools
- 17. Installations around the world





During the presentation the following animated movie clips (3-4 min each) shall reinforce the theoretical part of the presentation

a. The new generation of mechanical fittings: push fittings



c. Slip repair couplers



- d. Electrofusion fittings
- d1. Electrofusion explained step by step
- d2. Tapping saddles and valves
- d3. Large bore saddles
- d4. Adjustable elbow
- d5. Large diameter electrofusion couplers
- d6. Wastewater products





Summary – practical part

- Live presentation of assembling push and compression fittings
- Preparation of the HD-PE pipes for electrofusion and butt-welding
- Electrofusion welding machine and tooling – live EF welding





