

GROUT PORT WELDING SYSTEM

DS 850 E 0704



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Technical Data

Perfect connection system of HDPE or PP Grout Ports to PT corrosion protection ducts

| Kind of equipment | Professional fast and easy installation of Grout Ports to PT corrosion protection plastic ducts. Materials comply to 'fib technical report bulletin 7 recommendations'. | | | | | | | | | | | | | | | | | | | | |
|------------------------------|--|--------|----------------|--------|----------------|----------|------|-------|----------------|----------|----|-------|----------------|----------|------|--------|----------------|----------|----|--------|----------------|
| Grout Port Welding Operation | Drill a hole using our special drill tool wherever needed in common HDPE or PP PT ducts of all brands. Heat up HDPE or PP Grout Ports and the pipe hole for about 10 seconds using our welding equipment. Release the grout port and press into pipe hole by hand for another 15 seconds. End of operation. | | | | | | | | | | | | | | | | | | | | |
| Advantages | <ul style="list-style-type: none">• Professional and experienced design• Available in HDPE and PP• Materials comply with common corrugated PT plastic duct systems for internal PT as PESTEC IP-1, IP-2, IP-SL, VSL PT-Plus, GTI, Plyduct, as well as for common smooth plastic ducts for external PT in different wallthickness.• GP system fits to all duct sizes• Grout Ports easy to apply after duct installation at the low and high points as specified.• No more duct cutting, sealing or taping• Fast installation and welding• Very small and portable welding equipment available in 220 V and 110 V• Thread connection to common 21/28 mm vent pipes and grout tubes with ¾" NPT thread. | | | | | | | | | | | | | | | | | | | | |
| Grout Port Types | <table><tr><th>Model</th><th>Material</th><th>Thread</th><th>Stick in depth</th></tr><tr><td>251 L PE</td><td>HDPE</td><td>21 mm</td><td>12 mm (0.485')</td></tr><tr><td>251 L PP</td><td>PP</td><td>21 mm</td><td>12 mm (0.485')</td></tr><tr><td>254 M PE</td><td>HDPE</td><td>NPT ¾"</td><td>9 mm (0.354')</td></tr><tr><td>254 M PP</td><td>PP</td><td>NPT ¾"</td><td>9 mm (0.354')</td></tr></table> | Model | Material | Thread | Stick in depth | 251 L PE | HDPE | 21 mm | 12 mm (0.485') | 251 L PP | PP | 21 mm | 12 mm (0.485') | 254 M PE | HDPE | NPT ¾" | 9 mm (0.354') | 254 M PP | PP | NPT ¾" | 9 mm (0.354') |
| Model | Material | Thread | Stick in depth | | | | | | | | | | | | | | | | | | |
| 251 L PE | HDPE | 21 mm | 12 mm (0.485') | | | | | | | | | | | | | | | | | | |
| 251 L PP | PP | 21 mm | 12 mm (0.485') | | | | | | | | | | | | | | | | | | |
| 254 M PE | HDPE | NPT ¾" | 9 mm (0.354') | | | | | | | | | | | | | | | | | | |
| 254 M PP | PP | NPT ¾" | 9 mm (0.354') | | | | | | | | | | | | | | | | | | |
| Grout Port Materials | <ul style="list-style-type: none">• High Density Polyethylen acc ASTM D 3350 PE 345444 C, fib technical report bulletin 7, FDOT PT recommendations Section 462• PP acc ASTM D 4101 PP 0346 B 44544, fib technical report bulletin 7, FDOT recommendations Section 462 | | | | | | | | | | | | | | | | | | | | |
| Equipment Properties | <ul style="list-style-type: none">• Grout Port pressure tightness 150 PSI (1,03 MPa)• Grout Port welding equipment designed for long term use of many of 10000 Grout Ports• Available in 220 V and 110 V | | | | | | | | | | | | | | | | | | | | |
| Model consist of | Basic Equipment incl. drill tool, fixing device and equipment box. | | | | | | | | | | | | | | | | | | | | |
| Optional | Transformer 220/110 V available. | | | | | | | | | | | | | | | | | | | | |
| Equipment Rental | Equipment and Transformer available for rent | | | | | | | | | | | | | | | | | | | | |
| Service | We offer job site assistance and service in the field. | | | | | | | | | | | | | | | | | | | | |
| References | More than 5000 Grout Port installations since 1991 | | | | | | | | | | | | | | | | | | | | |
| Options | <ul style="list-style-type: none">• IP 3 Duct system complying to latest fib technical bulletin 7 recommendations• EP Duct system for external PT applications• PT grouting components as vent pipe, injection pipe, valves, end caps, shrink couplers | | | | | | | | | | | | | | | | | | | | |

Contact us for more details.

Discover PESTEC. Discover our ideas.

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