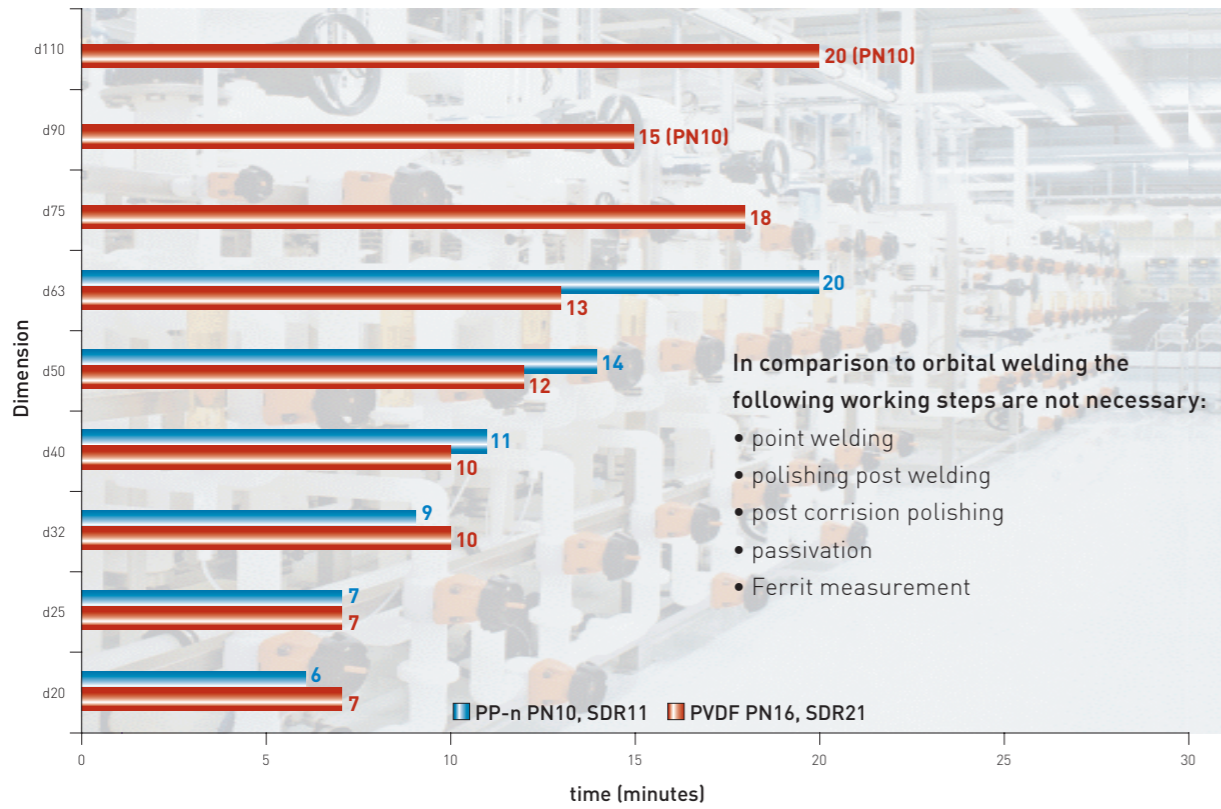


Fusion times BCF Plus



In comparison to orbital welding the following working steps are not necessary:

- point welding
- polishing post welding
- post corrosion polishing
- passivation
- Ferrit measurement

The technical data are not binding and not expressly warranted characteristics of the goods. They are subject to change. Please consult our General Conditions of Supply.



BCF Plus
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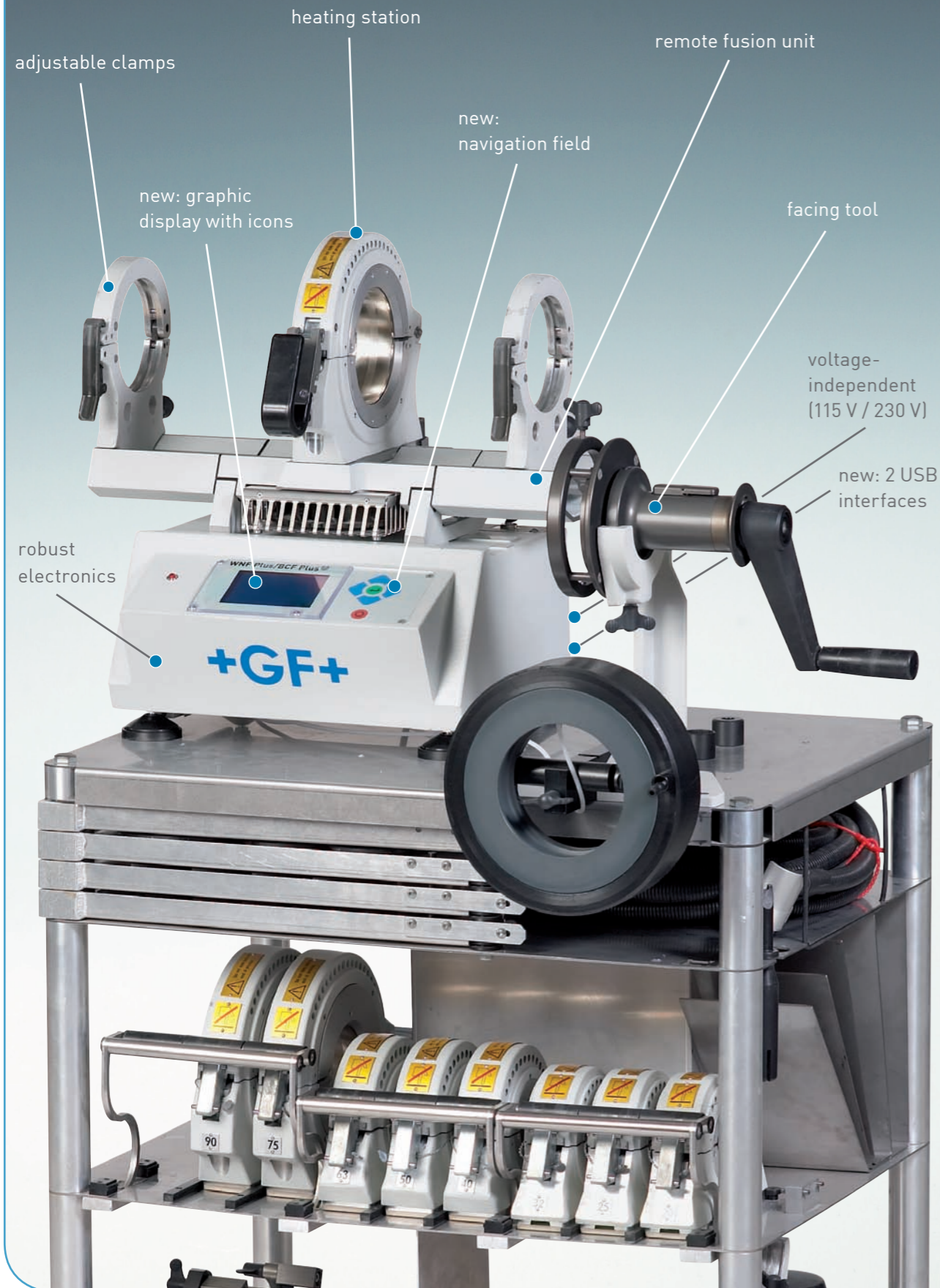
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Focus on quality and purity



BCF Plus Product Specifications

Fusion Technology	<p>Bead and crevice free fusion</p> <p>Software controlled, reproducible and monitored fusion and cooling process</p> <p>Remote fusion unit</p> <p>Pre-programmed and password protected fusion parameters</p> <p>Fusion protocol storage of 1600 fusions with unique fusion number</p> <p>Fusion factor → 0.98</p> <p>User guidance in more than 12 languages with graphic icons</p> <p>Integrated error recognition</p> <p>Automated maintenance intervals</p> <p>Welder training and certification</p> <p>Voltage supply 110 V/230 V</p>
Piping material	<p>SYGEF Plus (PVDF HP)</p> <p>SYGEF Standard (PVDF Standard)</p> <p>PROGEF Natural (PP Natural)</p>
Dimension	d20 (1/2") – d110 (4")
Pre-fusion treatment	<p>Cleaning with Tangit KS</p> <p>No inert gas required</p> <p>No filler material</p>
Surface finish in fusion zone	<p>SYGEF Plus (PVDF HP) Ra ~ 0.25 µm</p> <p>SYGEF Standard (PVDF Standard) Ra ~ 0.5 µm</p> <p>PROGEF Natural (PP Natural) Ra ~ 0.8 µm</p>
Post-fusion treatment	<p>No manual welds</p> <p>No passivation</p> <p>No pickling</p>
Fusion documentation	<p>Print-out of 2 identical labels for labelling of piping system or isometric drawing</p> <ul style="list-style-type: none"> • Date • Joint number • Work site number • Welder / supervisor visa <p>Print-out of fusion protocol via A4 printer</p> <ul style="list-style-type: none"> • Date • Time • Machine number • Joint number • Operator • Work site • Process status • Chosen parameter (material, size, pipe series, PN, wall thickness) • Process parameter (temperature, time, pressure) • Confirmation and signature <p>Electronic record downloadable, write protected stored and administered via WIN WELD read out software.</p>
Testing and Inspection	<p>Sample fusions one per job site and dimension</p> <p>Fusion inspection with torch lamp based upon ASME BPE-2009.</p>
Conformances / Standards	<p>ASME BPE-2009</p> <p>DVS 2203</p>
Main applications	<p>Uses include delivery of ultrapure water in pharmaceutical, medical and semiconductor grade water to highest purity and cleaning requirements as well as abrasive fluid transport in semiconductor and cosmetics.</p>