



IR Plus® Fusion Technology,  
providing fast, safe and  
reliable non-contact fusion



## Features and Benefits

### Fast:

- unique, ambient temperature-controlled cooling process
- short process time
- up to 60% faster fusion compared with conventional butt fusion

### Safe:

- fully controlled and monitored fusion process
- optimal fusion bead geometry
- low-stress fusion
- complete traceability
- 1800 weld memory
- weld factor over 0.9
- automatic maintenance indicator
- EMI-protected intelligence
- read-out software

### Simple Operation:

- user guidance in 8 languages
- all accessories integrated in the machine
- simple and fast dimension change process
- welding flexibility with adjustable clamp station

### Reliable:

- more than 8 million field welds
- 12 years market experience
- on-site failures in ‰ range
- entirely reproducible fusion
- not sensitive to voltage fluctuations



### Customer benefits:

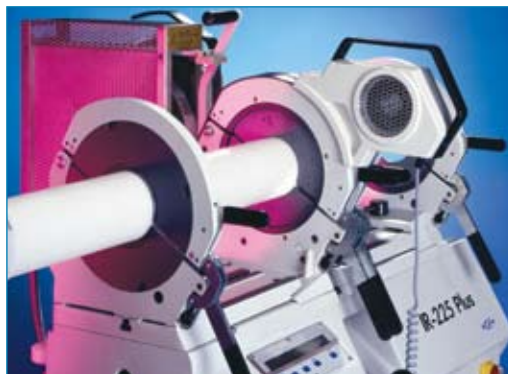
- Lower cost of ownership
- more efficient and productive installation
- quick introduction to machine handling
- traceability program
- excellent fusion weld quality
- proven and tested technology worldwide
- fusion results per DVS
- minimal, defined bead (favorable for flow, minimal dead space)
- global customer support and rental service
- fusion at room temperature 41 °F– 104 °F
- Simple software updates

BETA-PP®	→	PP-H
PROGEF® Natural	→	PP-n
SYGEF® PLUS	→	PVDF High Purity
SYGEF® Standard	→	PVDF Standard
FUSEBOND	→	PFA High Purity



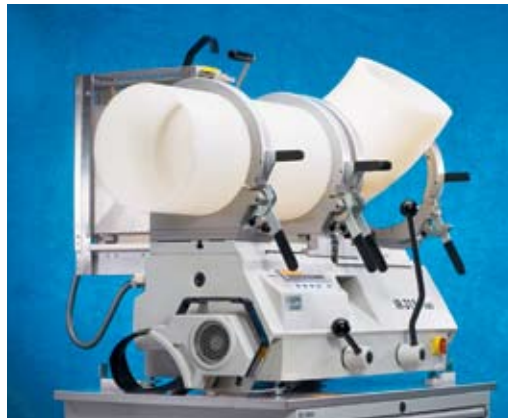
#### **IR 63 Plus®**

Dimensions:  
20mm (½") - 63mm (2"), all materials  
Includes remote welding unit.



#### **IR 225 Plus®**

Dimensions:  
63mm (2") - 225mm (9"), SYGEF® PVDF & Beta-PP®  
63 mm (2") - 110mm (4"), PROGEF® Natural



#### **IR 315 Plus®**

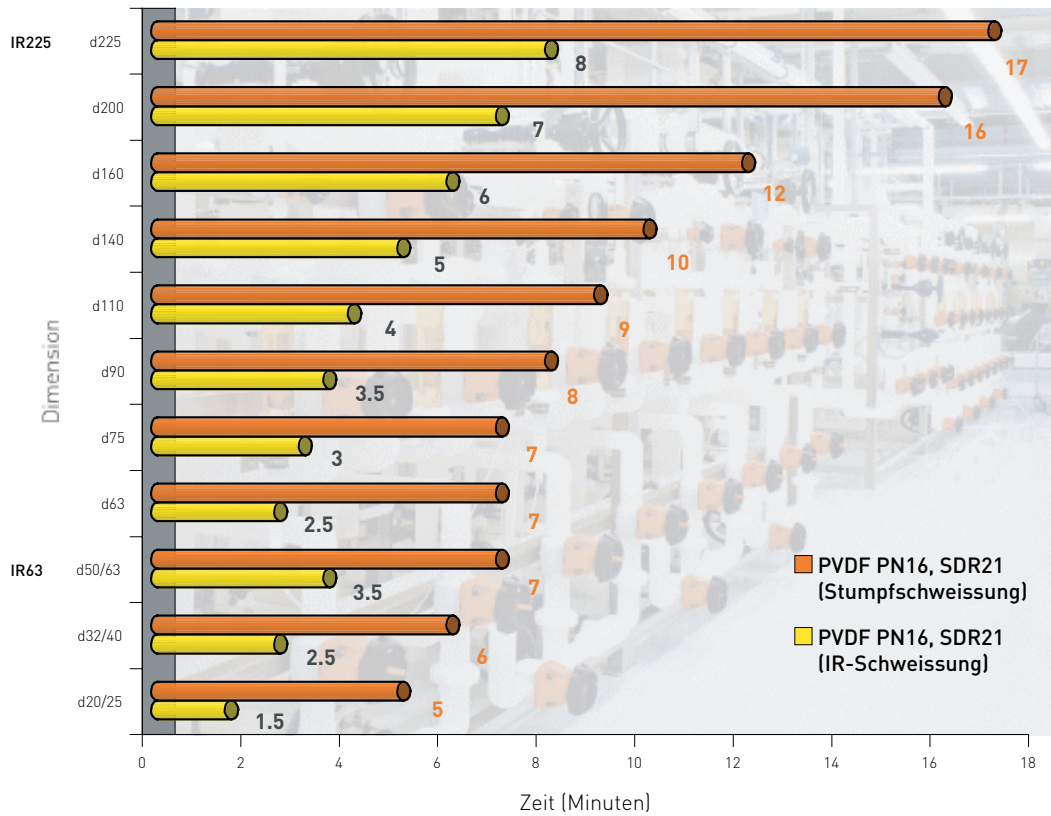
Dimensions:  
250mm (10") - 315mm (12"), SYGEF® PVDF only



#### **IR Plus® WIN WELD read-out software**

All IR Plus® fusion records can be downloaded effortlessly from the IR machines via a PC-MCIA record card. Then write-protected stored and administered on a PC/Notebook, using the IR Plus® WIN WELD software.

## IR Plus® fusion times vs. conventional butt fusion (acc. to DVS 2207-15)



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.

### Australia

George Fischer Pty Ltd  
Kingsgrove NSW 2008  
Phone +61(0)2/95 54 39 77  
australia.ps@georgfischer.com  
www.georgfischer.com.au

### Austria

George Fischer  
Rohrleitungssysteme GmbH  
3130 Herzogenburg  
Phone +43(0)2782/856 43-0  
austria.ps@georgfischer.com  
www.georgfischer.at

### Belgium/Luxembourg

George Fischer NV/SA  
1070 Bruxelles/Brüssel  
Phone +32(0)2/556 40 20  
be.ps@georgfischer.com  
www.georgfischer.be

### Brazil

George Fischer Ltda  
04795-100 São Paulo  
Phone +55(0)11/5687 1311  
br.ps@georgfischer.com

### China

George Fischer Piping Systems Ltd Shanghai  
Pudong, Shanghai 201319  
Phone +86(0)21/58 13 33 33  
china.ps@georgfischer.com  
www.cn.piping.georgfischer.com

### Denmark/Iceland

Georg Fischer A/S  
2630 Taastrup  
Phone +45 (0)70 22 19 75  
info.dk.ps@georgfischer.com  
www.georgfischer.dk

### France

George Fischer S.A.S.  
93208 Saint-Denis Cedex 1  
Phone +33(0)1/492 21 34 1  
fr.ps@georgfischer.com  
www.georgfischer.fr

### Germany

George Fischer GmbH  
73095 Albershausen  
Phone +49(0)7161/302-0  
info.de.ps@georgfischer.com  
www.vgd.georgfischer.de

### Germany DEKA GmbH

35232 Dautphetal-Mornshausen  
Phone +49(0)6468/915-0  
deka.ps@georgfischer.com  
www.dekapipe.de

### India

George Fischer Piping Systems Ltd  
400 093 Mumbai  
Phone +91(0)22/2820 2362  
in.ps@georgfischer.com

### Italy

Georg Fischer S.p.A.  
20063 Cernusco S/N (MI)  
Phone +3902/921 861  
it.ps@georgfischer.com  
www.georgfischer.it

### Japan

Georg Fischer Ltd  
556-0011 Osaka,  
Phone +81(0)6/6635 2691  
jp.ps@georgfischer.com  
www.georgfischer.jp

### Malaysia

George Fischer (M) Sdn. Bhd.  
47500 Subang Jaya  
Phone +60 (0)3-8024 7879  
conne.kong@georgfischer.com.my

### Netherlands

Georg Fischer N.V.  
8161 PA Epe  
Phone +31(0)578/678 222  
nl.ps@georgfischer.com  
www.georgfischer.nl

### Norway

Georg Fischer AS  
1351 Rud  
Phone +47(0)67 18 29 00  
no.ps@georgfischer.com  
www.georgfischer.no

### Poland

Georg Fischer Sp. z o.o.  
02-226 Warszawa  
Phone +48(0)22/313 10 50  
poland.ps@georgfischer.com  
www.georgfischer.pl

### Romania

Georg Fischer  
Rohrleitungssysteme AG  
70000 Bucharest - Sector 1  
Phone +40(0)1/222 91 36  
ro.ps@georgfischer.com

### Singapore

George Fischer Pte Ltd  
417 845 Singapore  
Phone +65(0)67 47 06 11  
sgp.ps@georgfischer.com  
www.georgfischer.com.sg

### Spain/Portugal

Georg Fischer S.A.  
28046 Madrid  
Phone +34(0)91/781 98 90  
es.ps@georgfischer.com  
www.georgfischer.es

### Sweden/Finland

Georg Fischer AB  
12523 Älvsjö-Stockholm  
Phone +46(0)8/506 775 00  
info.se.ps@georgfischer.com  
www.georgfischer.se

### Switzerland

Georg Fischer Rohrleitungssysteme (Schweiz) AG  
8201 Schaffhausen  
Phone +41(0)52 631 30 26  
ch.ps@georgfischer.com  
www.piping.georgfischer.ch

### United Kingdom/Ireland

George Fischer Sales Limited  
Coventry, CV2 2ST  
Phone +44(0)2476 535 535  
uk.ps@georgfischer.com  
www.georgfischer.co.uk

### USA/Canada/Latin America/Caribbean

George Fischer Inc.  
Tustin, CA 92780-7258  
Phone +1(714) 731 88 00, Toll Free 800/854 40 90  
us.ps@georgfischer.com  
www.us.piping.georgfischer.com

### Export

Georg Fischer Rohrleitungssysteme (Schweiz) AG  
8201 Schaffhausen  
Phone +41(0)52 631 11 11  
export.ps@georgfischer.com  
www.piping.georgfischer.com