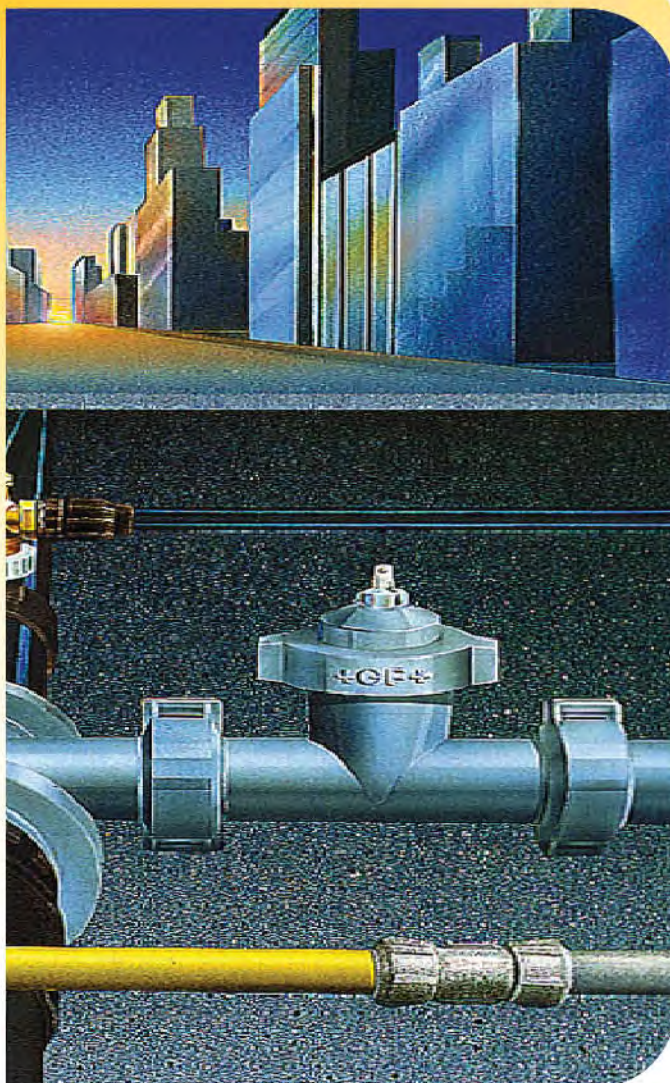
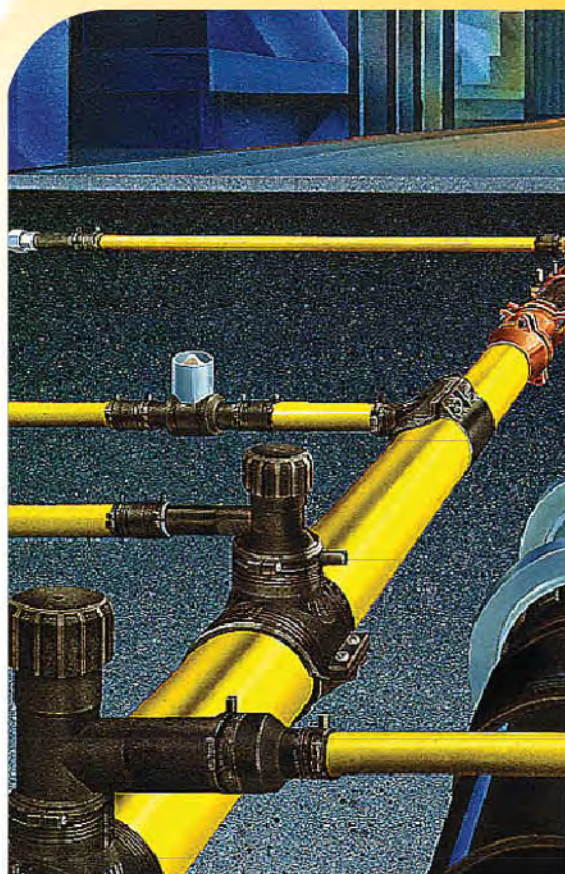


PT. GAPURA FAJAR LANGGENG

Supply & Install Polyethylene Piping Sistem for Water & Gas

+GF+ GEORG FISCHER
PIPING SYSTEMS



Piping System For
Industrial Applications
Water & Gas Utilities
Building Technology

Company Profile

PT.GAPURA FAJAR LANGGENG

is national company which established since 1999 and was granted permit by Trade Departement of Province of Jawa Barat with SIUP No. 510/295-PERINDAG/PM/IV/2008, API No. 100802978, TDP No. 102615100474, SRP No.S-17853 / R/BC.1/2008



PT.GAPURA FAJAR LANGGENG

dealing in supply and install POLYETHYLENE (PE) piping systems included accessories for distribution of water and gas



PT.GAPURA FAJAR LANGGENG

supported and had good cooperation with **GEORG FISCHER +GF+**, the biggest piping systems company in Europe.

With fully supported from **GEORG FISCHER +GF+**, our company can granted the best quality. Professionalism and experiences is our commitment in dealing in mutual cooperation for both side

Distributor for Indonesia

PT.GAPURA FAJAR LANGGENG

Supply & Install Polyethylene Piping Sistem for Water & Gas

GRAHA OE

Jl. Dr.Ratna 1001 – 1005, kav. BNI 46

Jatikramat, Jatiasih, Bekasi 17421, Indonesia

Phone : (62-21) 84999139 ; 84999361 ; 8499893

Fax : (62-21) 84998927 ; E-mail : gfl@indo.net.id

CERTIFICATES & STANDARDS

GEORG FISCHER +GF+

International Standards and their related test procedures are intended to simulate all the possible and most extreme working conditions of the product. On the basis of the individual experience of the engineers who have carried out the various tests, the following factors have emerged as being particularly critical and requiring special attention amongst the various Standards considered, namely :

- resistance to ageing
- resistance to pressure
- tensile strength
- flexural strength

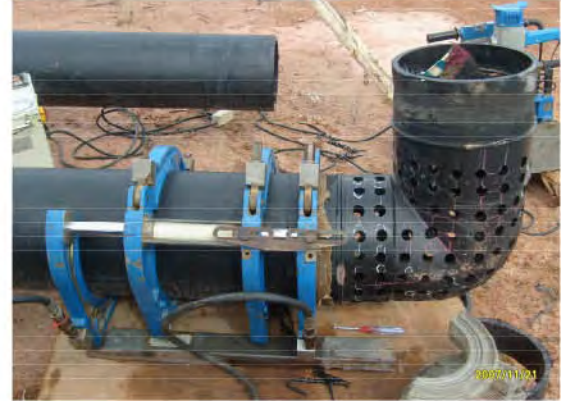
Georg Fischer +GF+ has obtained all the certifications herewith enclosed. This means that all Georg Fischer +GF+ products are fully reliable, having been proven capable of withstanding even the highest permissible strains and stresses.



Australia Certified Products Australian Standard	Denmark ETA DANMARK	Finland STF	Germany DVGW	Italy IIP	Netherlands kiwa Pursuing progress	Sweden SITAC	Hungary
		United Kingdom WRAS	Norway BYGGFORSH Norges byggherrensforbund	Poland TIN	Switzerland SVGW SSIGE	USA NSF	

Installation

BUTT FUSION



Suply

ELECTROFUSION

53 21 10 Tee 90°, reduced

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Two separate fusion zones
- Two connected fusion zones

d	d2	Code	GP	kg	SID	d1	L	L1	z	z1	H
(mm)	(mm)				(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
160	93	753 211 037	2	5.480	-	106	405	90	113	176	56
160	93	753 211 039	2	3.560	-	106	405	90	113	158	79
160	110	753 211 040	2	5.700	-	136	425	90	113	155	55
200	90	753 211 059	-	11.200	-	242	557	104	175	215	84
200	110	753 211 060	-	11.200	-	242	557	104	175	218	84
200	180	753 211 063	-	11.200	-	242	557	104	175	236	101
225	90	753 211 068	1	13.520	-	274	615	112	156	228	90
225	110	753 211 070	1	13.670	-	274	615	112	156	238	88
225	160	753 211 073	1	14.020	-	274	615	112	156	255	105
250	110	753 211 080	-	11.200	-	305	668	123	211	245	66
250	160	753 211 083	-	11.200	-	305	668	123	211	264	101

PF 2 51 314 001

53 96 17 End cap (Kit)

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as kit including ELGEF® Plus Coupler
- * Article to be discontinued, replaced by 53 96 16

d	Code	GP	kg	SID	d1	L
(mm)				(mm)	(mm)	(mm)
75	753 961 712	6	0.446	-	96	110
90	753 961 713	5	0.680	-	113	125
110	753 961 714	3	1.128	-	133	145
125	753 961 715	3	1.594	-	155	158
140	753 961 716	3	2.250	-	175	170
*160	753 961 717	1	2.712	-	197	160
180	753 961 718	1	4.135	-	220	194
*200	753 961 719	1	4.906	-	245	200
*225	753 961 720	1	6.500	-	296	224

PF 2 51 314 001

53 15 18 Elbow 45°

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

d	Code	GP	kg	SID	d1	L	L1	z
(mm)				(mm)	(mm)	(mm)	(mm)	(mm)
75	753 151 812	-	0.437	-	97	79	62	17
90	753 151 813	20	0.537	-	115	91	62	29
110	753 151 814	12	0.674	-	140	112	72	49
125	753 151 815	6	1.108	-	151	107	74	33
160	753 151 817	5	1.800	-	196	134	92	42
186	753 151 818	1	3.200	-	217	142	95	47

PF 2 51 314 001

53 91 16 Coupler

- PE 100 SDR 11 (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Removable centre stop up to d180

d	Code	GP	kg	SID	d1	L	z
(mm)				(mm)	(mm)	(mm)	(mm)
75	753 911 812	12	0.287	-	96	110	2
90	753 911 813	10	0.421	-	113	125	2
110	753 911 814	3	0.607	-	133	145	2
125	753 911 815	5	0.738	-	154	158	2
140	753 911 816	6	0.968	-	172	169	2
160	753 911 817	8	1.390	-	186	180	3
180	753 911 818	4	1.750	-	216	194	3
200	753 911 819	2	2.351	-	244	208	3
225	753 911 820	2	3.160	-	273	224	3
250	753 911 821	2	4.345	-	304	244	3
300	753 911 822	1	6.675	-	340	292	3
315	753 911 823	1	6.900	-	361	298	3
355	753 911 824	1	12.110	-	432	348	3
400	753 911 825	1	15.800	-	487	348	3

PF 2 51 312 002

HOUSE CONNECTION




Suply

BUUT FUSION

53 80 10 **Flange adaptor**

Gasket: flat
 Flange: 27.70 OD to 20 - 25 mm, 27.70 OD to 30 - 31.5 mm
 Joining face: serrated, Counterpart: flat or serrated
PE 100 SDR 11 ISO 551
 10 bar Gas / 16 bar Water



d	Code	SFR	SID	GP	kg
20	753 801 004	3.00	1	1	0.002
25	753 801 007	3.20	1	1	0.003
32	753 801 008	4.50	1	1	0.005
40	753 801 009	7.40	1	1	0.009
50	753 801 010	9.50	1	1	0.014
63	753 801 011	11.50	1	1	0.017
75	753 801 012	14.40	1	1	0.024
90	753 801 013	19.80	1	1	0.034
110	753 801 014	25.10	1	1	0.047
125	753 801 015	30.70	1	1	0.060
140	753 801 016	36.10	1	1	0.082
160	753 801 017	43.20	1	1	0.109
180	753 801 018	49.30	1	1	0.136
200	753 801 019	79.20	1	1	0.203
225	753 801 020	85.50	1	1	0.267
250	753 801 001	172.00	1	1	0.500
280	753 800 902	245.00	1	1	0.595
315	753 800 903	315.00	1	1	0.811

PE 100 SDR 11

53 15 08 **Elbow 45°**

PE 100 SDR 17/17,6 (ISO 581)
 5 bar Gas / 10 bar Water


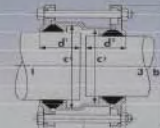


d	Code	SFR	SID	GP	kg
40	753 150 813	32.80	1	4	0.495
110	753 150 814	62.20	1	4	0.775
125	753 150 815	76.80	1	4	1.085
140	753 150 816	90.60	1	2	1.071
160	753 150 817	116.40	1	4	2.128
180	753 150 818	124.60	1	3	2.755
200	753 150 819	173.00	1	2	3.810
225	753 150 820	207.00	1	1	5.760
250	753 150 821	484.00	1	1	5.031
280	753 150 822	673.00	1	3	6.935
315	753 150 823	838.00	1	1	9.950

UNIVERSAL COUPLING



WAGA® DK-SYSTEM®

Material:
 Body: 1.4571, Multiblock cast iron
 Body: 1.4571, GGK40
 Clamping: GGK40

Coating:
 Red primer powder, stainless steel
 Red primer, stainless steel 200 micron
 Red primer, stainless steel 200 micron

Rubbers:
 1.4571, 1.4571, 1.4571, 1.4571

Bolts & Nuts:
 1.4571, 1.4571, 1.4571, 1.4571
 1.4571, 1.4571, 1.4571, 1.4571
 1.4571, 1.4571, 1.4571, 1.4571
 1.4571, 1.4571, 1.4571, 1.4571

Working pressure:
 10 bar
 10 bar

Couplings WAK/A

DN	Connection	Code	a	b1	b2	d1	d2	e1	Weight	
mm	mm	ST/DAW	mm	mm	mm	mm	mm	mm	kg	
80	80	80-104-74-82	709.000.111	130	436	404	73	72	3mm18x160	5.0
100	80	100-127-74-80	709.000.111	180	509	479	75	75	3mm18x160	6.0
100	80	100-152-88-104	709.000.111	155	229	229	75	75	3mm18x160	6.0
125	100	125-155-107-127	709.000.111	190	255	254	75	75	4mm18x160	7.0
150	125	150-186-132-155	709.000.111	190	344	344	75	75	4mm18x160	14.0
200	200	200-238-194-200	709.000.130	300	378	378	97	97	6mm30x220	21.0
200	200	200-238-218-220	709.000.134	300	378	378	97	97	6mm30x220	21.0
200	200	200-238-225-228	709.000.140	300	378	378	97	97	6mm30x220	21.0
200	200	200-244-186-200	709.000.123	300	378	378	97	97	6mm30x220	21.0
200	200	200-244-216-220	709.000.119	300	378	378	97	97	6mm30x220	21.0
200	200	200-244-222-225	709.000.133	300	378	378	97	97	6mm30x220	21.0
200	200	200-244-225-228	709.000.141	300	378	378	97	97	6mm30x220	21.0
225	200	246-250-196-200	709.000.125	300	378	378	97	97	6mm30x220	21.0
225	200	246-250-216-200	709.000.126	300	378	378	97	97	6mm30x220	21.0
225	200	246-250-222-225	709.000.134	300	378	378	97	97	6mm30x220	21.0
225	200	246-250-222-228	709.000.144	300	378	378	97	97	6mm30x220	21.0



Suply

COMPRESSION FITTING

105

45° Elbow



Code	d	EURO	SP	GP	PFA (PN)
10502000	Ø 20x20	2,28	25	150	20
10502500	Ø 25x25	3,78	25	100	20
10503200	Ø 32x32	4,67	25	50	20
10504000	Ø 40x40	7,67		30	16
10505000	Ø 50x50	10,90		20	16
10506300	Ø 63x63	14,76		10	16



023

Flanged joint with metal flange



Code	d	EURO	SP	GP	PFA (PN)
02305012	Ø 50x1 1/2" DN 40	17,76		16	16
02305020	Ø 50x2" DN 50	17,76		16	16
02306320	Ø 63x2" DN 50	18,96		12	16
02306322	Ø 63x2 1/2" DN 65	21,27		12	16
02307522S	Ø 75x2 1/2" DN 65	26,15		8	16
02307530S	Ø 75x3" DN 80	28,25		6	16
02309030S	Ø 90x3" DN 80	31,80		5	16
02309040S	Ø 90x4" DN 100	36,60		5	16
02311040S	Ø 110x4" DN 100	45,85		4	16

011

Male adaptor



Code	d	EURO	GP	PFA (PN)
01102002	Ø 20x1/2"	4,56	25	16
01102504	Ø 25x3/4"	6,36	15	16
01103204	Ø 32x3/4"	9,43	12	16
01103210	Ø 32x1"	9,43	12	16
01103214	Ø 32x1 1/4"	10,18	12	16
01104010	Ø 40x1"	13,46	4	16
01104014	Ø 40x1 1/4"	14,20	4	16
01105012	Ø 50x1 1/2"	17,28	3	16
01106320	Ø 63x2"	25,65	2	16

012

Female adaptor



Code	d	EURO	GP	PFA (PN)
01202002	Ø 20x1/2"	4,24	25	16
01202504	Ø 25x3/4"	5,94	15	16
01203210	Ø 32x1"	9,43	12	16
01204014	Ø 40x1 1/4"	14,63	4	16
01205012	Ø 50x1 1/2"	19,61	3	16
01206320	Ø 63x2"	27,67	2	16

154

Black clamp saddles with reinforcing ring and O-ring gasket, galvanized bolts



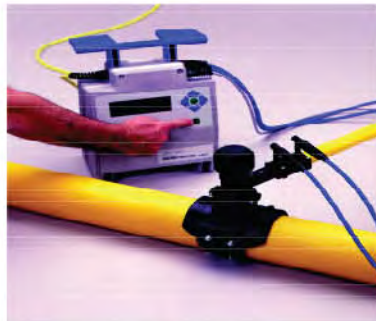
Code	d	EURO	SP	GP	PFA (PN)	Typ. vol.	Index
154 020	Ø 1 1/2"	13,11		1	1	0,050	1
154 025	Ø 2"	21,26		1	1	0,050	2
154 032	Ø 3"	17,40		1	1	0,050	3
154 040	Ø 4"	27,67		1	1	0,050	4
154 050	Ø 5"	36,60		1	1	0,050	5
154 063	Ø 6 3/4"	45,85		1	1	0,050	6
154 080	Ø 8"	54,00		1	1	0,050	7
154 100	Ø 10"	62,15		1	1	0,050	8
154 125	Ø 12 1/2"	70,30		1	1	0,050	9
154 150	Ø 15"	78,45		1	1	0,050	10
154 175	Ø 17 1/2"	86,60		1	1	0,050	11
154 200	Ø 20"	94,75		1	1	0,050	12
154 225	Ø 22 1/2"	102,90		1	1	0,050	13
154 250	Ø 25"	111,05		1	1	0,050	14
154 275	Ø 27 1/2"	119,20		1	1	0,050	15
154 300	Ø 30"	127,35		1	1	0,050	16
154 325	Ø 32 1/2"	135,50		1	1	0,050	17
154 350	Ø 35"	143,65		1	1	0,050	18
154 375	Ø 37 1/2"	151,80		1	1	0,050	19
154 400	Ø 40"	160,00		1	1	0,050	20
154 425	Ø 42 1/2"	168,20		1	1	0,050	21
154 450	Ø 45"	176,40		1	1	0,050	22
154 475	Ø 47 1/2"	184,60		1	1	0,050	23
154 500	Ø 50"	192,80		1	1	0,050	24
154 525	Ø 52 1/2"	201,00		1	1	0,050	25
154 550	Ø 55"	209,20		1	1	0,050	26
154 575	Ø 57 1/2"	217,40		1	1	0,050	27
154 600	Ø 60"	225,60		1	1	0,050	28
154 625	Ø 62 1/2"	233,80		1	1	0,050	29
154 650	Ø 65"	242,00		1	1	0,050	30
154 675	Ø 67 1/2"	250,20		1	1	0,050	31
154 700	Ø 70"	258,40		1	1	0,050	32
154 725	Ø 72 1/2"	266,60		1	1	0,050	33
154 750	Ø 75"	274,80		1	1	0,050	34
154 775	Ø 77 1/2"	283,00		1	1	0,050	35
154 800	Ø 80"	291,20		1	1	0,050	36
154 825	Ø 82 1/2"	299,40		1	1	0,050	37
154 850	Ø 85"	307,60		1	1	0,050	38
154 875	Ø 87 1/2"	315,80		1	1	0,050	39
154 900	Ø 90"	324,00		1	1	0,050	40
154 925	Ø 92 1/2"	332,20		1	1	0,050	41
154 950	Ø 95"	340,40		1	1	0,050	42
154 975	Ø 97 1/2"	348,60		1	1	0,050	43
154 1000	Ø 100"	356,80		1	1	0,050	44

Rental Machine

BUTT FUSION



ELECTROFUSION



Installation

COMPRESSION FITTING



LIST OF CUSTOMER

1. PT. SENTUL CITY
2. YASA INDUSTRI NUSANTARA
3. PT. PRASADHA PAMUNAH LIMBAH INDUSTRI
4. PT. PAM LYONAISE JAYA
5. PDAM KAB BANDUNG
6. PDAM KOTA BOGOR
7. PT. PREMIER INDONESIA
8. PT. JAGA CITRA INTI
9. HOTEL SAVOY HOMAN
10. PT. ENVITECH
11. KOTA BARU BANDAR KEMAYORAN
12. EJIP KAWASAN INDUSTRI – CIKARANG
13. PT. MAP - PANTAI INDAH KAPUK
14. PT. KELSRI
15. PT. TENAGA INTI – BRR ACEH PROJECT
16. TIMOR LESTE
17. PT. PROMITS – PONTIANAK PROJECT
18. PDAM JOGJA
19. PT. DHARMA KARYA DHIKA ALAMBANA
20. PDAM LHOKSUMAWE
21. PT. GEOSTRUCTURE DYNAMICS
22. PT. AMARTA KARYA
23. PDAM PONTIANAK
24. PT. KITA HOKKI GAS
25. PT. PETROSEA
26. PT. TRIDAYA SEMESTA
27. PT. REKAYASA INDUSTRI
28. PT. MITRA KARAWANG JAYA
29. PT. THAMES PAM JAYA
30. PDAM KAB CIAMIS
31. PT. MEGA POWER MANDIRI
32. PT. SAPTA PUSAKA NUSANTARA
33. PT. BERCA NUSANTARA
34. PT. METITO INDONESIA
35. GRAND WISATA
36. PMP BIO ENERGI – AUSTRALIA
37. WASTE MANAGEMENT – SINGAPORE
38. PT. MANDARA PERMAI
39. JABABEKA – CIKARANG
40. LIPPO CIKARANG
41. PT. AKIRA ENGINEERING–CONOCO PHILIPS ROJECT
42. PT. BELFOUR BEATY SAKTI
43. PT. MC'CONNEL DOWEL
44. PDAM BIREUN
45. PDAM PIDIE
46. PT. AIKOVITO
47. REGIONAL WATER MALAYSIA
48. PT. CITRA MURNI ABADI
49. PT. THIES INDONESIA
50. PT. PETROPART

Distributor for Indonesia

PT. GAPURA FAJAR LANGGENG

Supply & Install Polyethylene Piping Sistem for Water & Gas

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