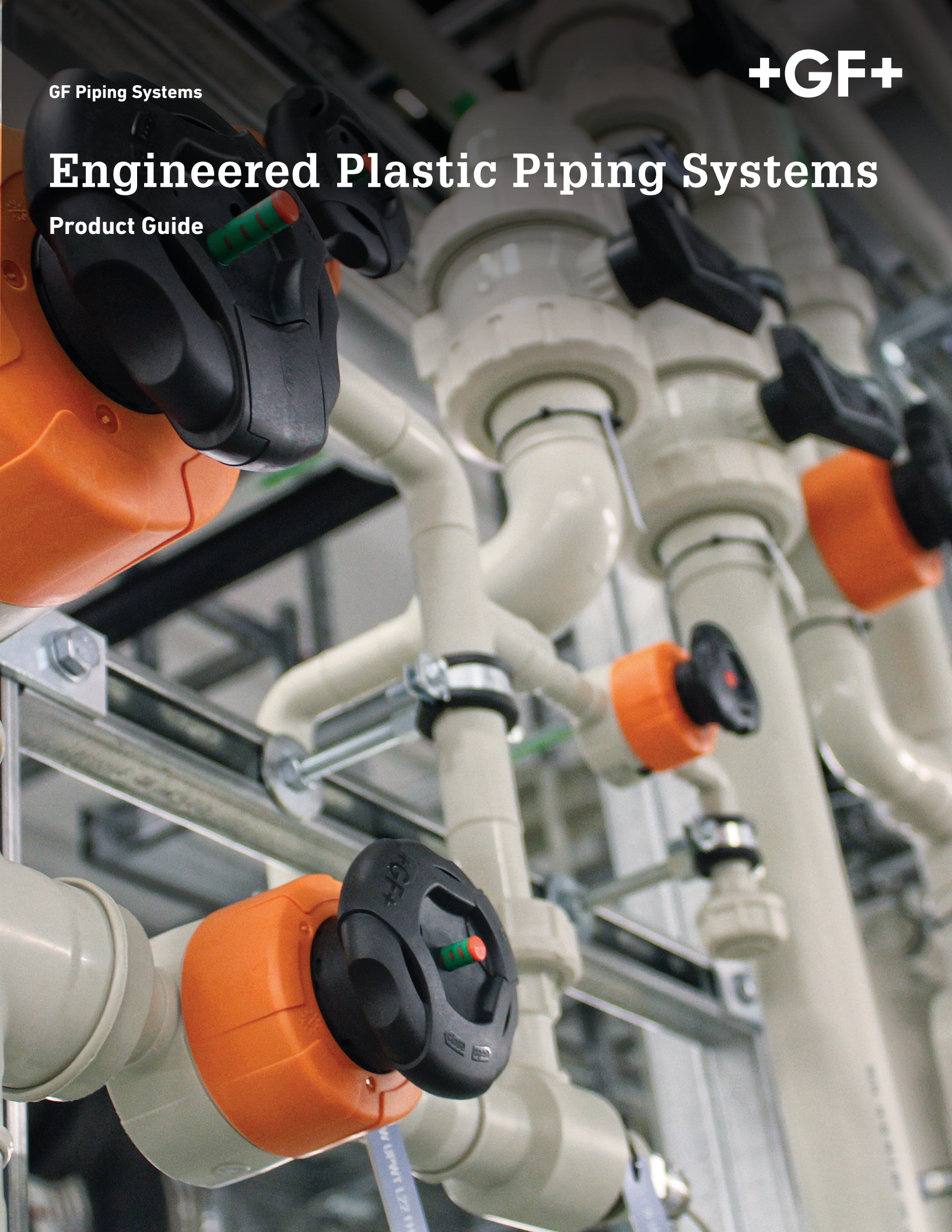


GF Piping Systems

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Engineered Plastic Piping Systems

Product Guide





		APPLICATION	TECHNICAL DATA				VALVE OPTIONS												
PRESSURE PIPING SYSTEMS	Applications*	Size Range	Pressure Rating	Temperature Range	Joining Technology	Standard Ratings	Double Containment Type 546 Pro Manual Ball Valve	Type 530 AquaTap Recirculating Faucet with IFD	5 Series Diaphragm Valve	Type 519 Zero-Static Diaphragm Valve	Type 317 Flanged Diaphragm Valve	Type 546 Pro Premium Ball Valve	Type 582 & 586 PRV	Tee Valve	Type 561 & 562 Check Valve	Type 065 Butterfly Valve	Type 567 Butterfly Valve	Type 578 Butterfly Valve	
	COOL-FIT® PE Plus (Pre-insulated)	• Chilled Water • Glycol • Brines • Alcohol solutions • Ice-slurry	32-450mm (1"-18")	Up to 150 PSI	-50°C to 60°C -58°F to 140°F	Electrofusion	ASTM D3035 DIN EN ISO 15494	N/A	N/A	20-63mm (½"-2")	N/A	75-110mm (2½"-4")	16-110mm (¾"-4")	N/A	N/A	20-110mm (½"-4")	N/A	2"-12"	2"-12"
	COOL-FIT® PE (Non-insulated)	• Chilled Water • Glycol • Brines • Alcohol solutions • Ice-slurry	32-450mm (1"-18")	Up to 150 PSI	-50°C to 60°C -58°F to 140°F	Electrofusion	ASTM D3035 DIN EN ISO 15494	N/A	N/A	20-63mm (½"-2")	N/A	75-110mm (2½"-4")	16-110mm (¾"-4")	N/A	N/A	20-110mm (½"-4")	N/A	2"-12"	2"-12"
	COOL-FIT® ABS (Non-insulated)	• Chilled Water • Glycol • Brines • Alcohol solutions • Ice-slurry	16-225mm (¾"-8")	Up to 150 PSI	-40°C to 60°C -40°F to 140°F	Solvent Cement	DIN EN ISO 15493	N/A	N/A	20-63mm (½"-2")	N/A	75-110mm (2½"-4")	16-110mm (¾"-4")	N/A	N/A	20-110mm (½"-4")	N/A	2"-12"	2"-12"
	ecoFIT® HDPE (metric) Design Flow HDPE (IPS & DIPS)	• Chilled Water • Process Cooling Water • Industrial Water Treatment • Bulk Water Distribution	16-500mm (2"-36" Design Flow)	Up to 200 PSI	-50°C to 60°C -58°F to 140°F	IR Plus® Fusion Butt Fusion Electrofusion	ASTM D3035 FDA CFR 21.177.160 NSF 61	N/A	N/A	20-63mm (½"-2")	N/A	75-160mm (2½"-6")	20-110mm (½"-4")	N/A	N/A	½"-4"	N/A	2"-24"	2"-12"
	PROGEF® Standard PP	• Lab Grade RODI Water • Chemical Delivery • Reverse Osmosis	16-500mm (¾"-20")	Up to 150 PSI	0°C to 80°C 32°F to 176°F	IR Plus® Fusion Butt Fusion Socket Fusion	FDA CFR 21.177.1520 USP 25 Class VI NSF 61	N/A	Available	20-63mm (½"-2")	20-63mm (½"-2")	75-160mm (2½"-6")	16-110mm (¾"-4")	20-63mm (½"-2")	63-160mm (2"-6")	16-110mm (¾"-4")	N/A	2"-24"	2"-12"
	PROGEF® Plus	• Lab Grade RODI Water • Process Cooling Water • Reverse Osmosis	20-315mm (½"-12")	Up to 150 PSI	0°C to 80°C 32°F to 176°F	IR Plus® Fusion Butt Fusion Socket Fusion	FDA CFR 21.177.1520 USP 25 Class VI NSF 61	N/A	25-75mm (¾"-2½"); 1½"-2½" sanitary	20-63mm (½"-2")	20-63mm (½"-2")	N/A	16-110mm (¾"-4")	N/A	63-160mm (2"-6")	16-110mm (¾"-4")	N/A	2"-12"	2"-12"
	PROGEF® Natural PP	• Lab Grade RODI Water • Pharmaceutical Grade Water	20-90mm (½"-3")	Up to 150 PSI	0°C to 80°C 32°F to 176°F	BCF® Plus Fusion IR Plus® Fusion	FDA CFR 21.177.1520 USP 25 Class VI	N/A	25-75mm (¾"-2½"); 1½"-2½" sanitary	20-63mm (½"-2")	20-63mm (½"-2")	N/A	20-90mm (½"-3")	N/A	N/A	N/A	N/A	N/A	N/A
	SYGEF® Standard PVDF	• Pharmaceutical Grade DI Water • Acid Distribution	20-315mm (½"-12")	Up to 232 PSI	-20°C to 140°C -4°F to 284°F	BCF® Plus Fusion IR Plus® Fusion Butt Fusion Socket Fusion	ASME BPE FDA CFR 21.177.2510 USP 25 Class VI FM4910, UL723, ASTM E84	N/A	25-75mm (¾"-2½"); 1½"-2½" sanitary	20-63mm (½"-2")	N/A	75-160mm (2½"-6")	16-110mm (¾"-4")	20-63mm (½"-2")	N/A	20-110mm (½"-4")	N/A	2"-12"	2"-12"
	SYGEF® Plus HP PVDF	• Semiconductor UPW/HUPW • USP Pharmaceutical • Water for Injection (WFI) • High Purity Acid Distribution	20-450mm (½"-18")	Up to 232 PSI	-20°C to 140°C -4°F to 284°F	BCF® Plus Fusion IR Plus® Fusion Butt Fusion	ASME BPE FDA CFR 21.177.2510 USP 25 Class VI SEMI F57 FM4910	N/A	N/A	20-63mm (½"-2")	20-160mm (1½"-6")	75-160mm (2½"-6")	N/A	20-63mm (½"-2") Type 582 only	N/A	N/A	2"-14"	N/A	N/A
SYGEF® ECTFE	• Acid Distribution • Chemical Transport and Storage • Chemical Waste	20-110mm (½"-4")	Up to 150 PSI	0°C to 80°C 32°F to 176°F	BCF® Plus Fusion IR Plus® Fusion	NSF/ANSI Standard 61 FM4910	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
WASTE	Fuseal® PP / Fast-Lock Corrosive Waste	• Corrosive Waste Drainage • Laboratory Waste Drainage • Food Processing Waste Drainage	1½"-18"	**Up to 50 PSI	0°C to 100°C 32°F to 212°F	Electrofusion Mechanical Joint Butt Fusion	ASTM F 1412 ASTM D 3311 ASTM D 4101 NSF-cw	N/A											
	Fuseal 25/50™ PVDF Corrosive Waste	• Corrosive Waste Drainage for Return Air Plenums • Corrosive Waste Drainage at Elevated Temperatures	1½"-6"	**Up to 50 PSI	-20°C to 140°C -4°F to 284°F	Electrofusion	ASTM F 1673 ASTM D 3311 ASTM E 84 UL 723	N/A											
	Fuseal Squared™ PP Double Containment Corrosive Waste	• Double Contained Corrosive Waste Drainage	1½"x4" - 8"x12"	**Up to 50 PSI	0°C to 100°C 32°F to 212°F	Electrofusion	ASTM F 1412 ASTM D 3311 ASTM D 4101 IGC 164-2001	N/A											
CONTAINMENT	Contain-It™ Clear PVC Secondary Containment	• Chemical Process Line Containment • Corrosive Chemical Waste Containment • Petroleum Chemical Containment	3"-6"	Up to 32 PSI	0°C to 60°C 32°F to 140°F	Adhesive Joint	ASTM D 1784 ASTM D 3034 UL94 40CFR80	N/A											
	Double-See™ PVC and CPVC Double Containment	• Water and Waste Water Treatment • Chemical Delivery • Dosing and Processing	½"x2" - 8"x12"	Varies by size (primary) Up to 50 psi (secondary)	Varies by pipe	Solvent Cement	NSF/ANSI 14 & 61 ASTM D 1784 ASTM D 1785 ASTM D 2467	½"x2" - 2"x4"											



Also see our full line of Vinyls

*Please reference the GF Chemical Resistance Guide at www.gfps.com **Standard test pressure up to 15 psi. Pressure waste discharge of up to 50 psi may be allowable. Mechanical joint discharge of up to 35 psi may be allowable. Offsite prefabrication and engineering services are also available.

Local support around the world

Visit our webpage to get in touch with your local specialist:

www.gfps.com/our-locations



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