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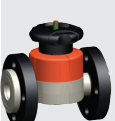
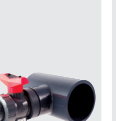
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The technical data is not binding. They neither constitute expressly warranted characteristics nor guaranteed properties nor a guaranteed durability. They are subject to modification. Our General Terms of Sale apply.

Engineered Plastic Piping Systems Product Guide



+GF+		Application	Technical Data					Valve Options											
		Applications*	Size Range	Pressure Rating	Temperature Range	Joining Technology	Standard Ratings	 Double Contained Type 546 Manual Ball Valve	 Type 530 AquaTap Recirculating Faucet	 5 Series Diaphragm Valve	 Type 519 Zero-Static Diaphragm Valve	 Type 517 Flanged Diaphragm Valve	 Type 546 Premium Ball Valve	 Type 375 Ball Valve	 Tee Valve	 Type 561-562 Check Valve	 Type 365 Butterfly Valve	 Type 567 Butterfly Valve	 Type 578 Butterfly Valve
Pressure Piping Systems	COOL-FIT® ABS	• Breweries • Supermarkets • Food Processing • Cold Stores	16–315mm (¾"–12")	Up to 150 PSI	–40°C to 60°C –40°F to 140°F	Solvent Cement	ISO 15493 DIN 3441	N/A	N/A	20–63mm (½"–2")	N/A	75–110mm (2½"–4")	16–110mm (⅜"–4")	N/A	N/A	20–110mm (½"–4")	N/A	2"–8"	2"–12"
	COOL-FIT® ABS Plus	• Breweries • Supermarkets • Food Processing • Cold Stores	25–315mm (¾"–12")	Up to 150 PSI	–50°C to 40°C –58°F to 104°F	Solvent Cement	ISO 15493 DIN 3441	N/A	N/A	20–63mm (½"–2")	N/A	75–110mm (2½"–4")	16–110mm (⅜"–4")	N/A	N/A	20–110mm (½"–4")	N/A	2"–8"	2"–12"
	ecoFIT HDPE	• Chilled Water • Process Cooling Water • Industrial Water Treatment • Bulk Water Distribution	2"–36" SDR 11/17	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	20–160mm (½"–6")	½"–4"	N/A	½"–12"	½"–4"	N/A	2"–24"	2"–12"
	PROGEF® Standard PP	• Lab Grade DI Water • Process Cooling 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	25–75mm (¾"–2½"); 1½"–2½" sanitary	20–63mm (½"–2")	20–63mm (½"–2")	20–160mm (½"–6")	16–110mm (⅜"–4")	N/A	63–160mm (2"–6")	20–110mm (½"–4")	N/A	2"–24"	2"–12"
	PROGEF® Natural PP	• Lab Grade DI 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")	20–63mm (½"–2")	N/A	20–63mm (½"–2")	N/A	N/A	N/A	N/A	N/A
	PPro-Seal™ Natural PP	• Lab Grade DI Water • Reverse Osmosis • Chemical Delivery	½"–3"	Up to 150 PSI	0°C to 80°C 32°F to 176°F	Electrofusion Threaded	FDA CFR 21.177.1520 ASTM D 4101 ASTM F 1290 USP 25 Class VI	N/A	N/A	½"–2"	N/A	N/A	N/A	½"–3"	N/A	N/A	N/A	N/A	N/A
	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")	20–110mm (½"–4")	75–160mm (2½"–6")	N/A	N/A	N/A	N/A	2"–14"	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 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	20–160mm (½"–6")	16–110mm (⅜"–4")	N/A	N/A	20–110mm (½"–4")	N/A	2"–12"	2"–12"
	Harvel LXT®	• Ultra-pure water systems (UPW, DI, R/O, distilled, USP)	½"–6"	Up to 420 PSI	23°C to 60°C 73°F to 140°F	Solvent Cement	ASTM D1784 ASTM D792 ASTM D638 NSF 61	N/A											
Waste Piping Systems	Fuseal® PP Corrosive Waste	• Corrosive Waste Drainage • Laboratory Waste Drainage • Food Processing Waste Drainage	1½"–12"	**Up to 50 PSI	0°C to 100°C 32°F to 212°F	Electrofusion Mechanical Joint	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"×4"–8"×12"	**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	4"–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"×2"–6"×10"	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"×2"–2"×4"											

*Please reference the GF Chemical Resistance Guide at www.gfpiping.com **Standard test pressure up to 15 psi. Pressure waste discharge of up to 50 psi may be allowable.