

Systems & Materials

| System | Material | Colour | Flammability | Joining | Density (g/cm ³) |
|--------------------|--|------------------------|--|---|------------------------------|
| ABS | ABS | Mid Grey | Bright flame, drips, continues to burn away from flame | Solvent cement | 1.03 |
| AQUASYSTEM | PP-R | Light brown Green/Grey | Bright flame, drips, continues to burn away from flame | Butt, socket&electro fusion | 0.90 |
| Harvel Blazemaster | PVC-C | Orange | In flame carbonises, extinguishes away from flame | Solvent cement&mechanical | 1.55 |
| CONTAIN-IT Plus | PE100&PVC-U Containment pipe/inside variable | Black/Grey/Transparent | Bright flame, drips, continues to burn away from flame | Depending on material | - |
| CONTAIN-IT | PVC-U/inside variable | Transparent | In flame carbonises, extinguishes away from flame | Solvent cementing | - |
| COOL-FIT ABS Plus | ABS/PUR/PE | Black | Bright flame, drips, continues to burn away from flame | Solvent cementing | - |
| COOL-FIT PE Plus | PE/PUR/PE | Black | Bright flame, drips, continues to burn away from flame | Electro fusion | - |
| Double-See | PVC-U&PVC-C (Containment) | Transparent | In flame carbonises, extinguishes away from flame | Solvent cement | 1.4-1.52 |
| ecoFIT | PE100&PE80 | Black | Bright flame, drips, continues to burn away from flame | Butt, socket, IR&electrofusion | 0.93-0.95 |
| ELGEF Plus | PE | Black | Bright flame, drips, continues to burn away from flame | Electro fusion | - |
| FUSEAL | PP-NFR | Grey/Blue | In flame carbonises, extinguishes away from flame | Electro fusion | 0.9 |
| FUSEAL 25/50 | PVDF | Blue | In flame carbonises, extinguishes away from flame | Electro fusion | 1.78 |
| iFIT | PB, ML, PEX | White | Normal flammable | Push fit | 0.94 |
| INSTAFLEX | PB | Grey | Continues to burn away from flame | Butt, socket&electro fusion, compression | 0.94 |
| MULTI/JOINT | GGG45/NBR or EPDM | Red/Black | Metal, non-flammable | Mechanical joints | - |
| PRIMOFIT | Malleable cast iron | Black/Galvanised | Metal, non-flammable | Mechanical joints | - |
| PROGEF Natural | PP-R | Transparent | Bright flame, drips, continues to burn away from flame | Butt, BCF&IR | 0.90 |
| PROGEF Standard | PP-H&PP-R | Light Beige | Bright flame, drips, continues to burn away from flame | Butt, socket fusion&IR | 0.90 |
| PROGEF Plus | PP-H&PP-R | Light Beige | Bright flame, drips, continues to burn away from flame | Butt, socket fusion&IR | 0.90 |
| PVC-C | PVC-C | Light Grey | In flame carbonises, extinguishes away from flame | Solvent cement | 1.5 |
| PVC-U | PVC-U | Dark Grey | In flame carbonises, extinguishes away from flame | Solvent cement | 1.38 |
| PVC-U clear | PVC-U | Transparent | In flame carbonises, extinguishes away from flame | Butt fusion, Socket fusion | 1.38 |
| SANIPEX MT | PE-x/Al/PE-x | Black | In flame carbonises, extinguishes away from flame | Mechanical joints | 0.905 |
| SeaCor | PVC-C | Dark Grey | In flame carbonises, extinguishes away from flame | Solvent cement | 1.38 |
| SYGEF Plus | PVDF HP (High purity) | White - Opaque | In flame carbonises, extinguishes away from flame | Butt fusion, BCF&IR | 1.78 |
| SYGEF Standard | PVDF | White - Opaque | In flame carbonises, extinguishes away from flame | Butt, socket fusion, BCF&IR | 1.78 |
| Harvel Shapes ** | PVC/CPVC - PP/HDPE | Various/Custom | In flame carbonises, extinguishes away from flame | Generally N/A-semi finished shape for machining | - |

| System | Nominal Pressure (PN) |
|----------------------|--|
| ABS - BS inch | PN15 (Class E 3/8 - 4") |
| | PN12 (Class D 6") |
| | PN9 (Class C 1 - 8") |
| | PN12 (Class 7T 1/2 - 2") |
| ABS - Metric | PN10 (d20 - d225) |
| | PN6 (d250 - d315) |
| AQUASYSTEM | PN20 |
| Harvel Blazemaster | PN depending on size (1/2 - 3") Schedule System |
| CONTAIN-IT Plus | PN depending on material |
| CONTAIN-IT | PN3 Schedule System |
| COOL-FIT ABS Plus | PN10 (d25 - d225) |
| COOL-FIT ABS Plus | PN6 (d250 - d315) |
| COOL-FIT PE Plus | PN10 (d250 - d450) |
| Double-See | PN4 |
| ecoFIT | PN16 (d20 - d630) |
| | PN10 (d50 - d630) |
| ELGEF | PN16 (d20 - d1000) |
| | PN10 (d160 - d2000) |
| FUSEAL | PN depending on size (1 1/2 - 18") |
| FUSEAL 25/50 | PN depending on size (1 1/2 - 6") |
| iFIT | PN10 |
| INSTAFLEX | PN16 (up to d110; PN10 d125 - d225) |
| MULTI/JOINT | PN16 (restraint) |
| | PN25 (non restraint) |
| PRIMOFIT | PN16 |
| PROGEF Natural | PN10 (d20 - d63) |
| | PN6 (d75 - d110) |
| PROGEF Standard | PN10 (d16 - d500) |
| | PN6 (d50 - d500) |
| PROGEF Plus | PN10 (d20 - d315) |
| | PN16 (d16 - d160) |
| PVC-C Metric | PN10 (d75 - d225) |
| PVC-C SCH80/40 | PN depending on size (1/4 - 24") |
| PVC-U BS INCH | PN16 (Class E 3/8 - 6") |
| | PN12 (Class D 1/4 - 4") |
| PVC-U SCH80/40 | PN9 (Class C 2 - 8") |
| | PN12 (Class 7T 3/8 - 2") |
| PVC-U Metric | PN depending on size (1/8 - 24") |
| | PN16 (d6 - d160) |
| PVC-U Metric | PN10 (d25 - d315) |
| PVC-U clear SCH80/40 | PN6 (d50 - d400) |
| SANIPEX MT | PN depending on size (1/4 - 12") |
| SeaCor | PN10 (d16 - d63) |
| SYGEF | PN depending on size (1/2 - 6") |
| Plus&Standard | PN16 (d16 - d225) |
| Harvel Shapes ** | PN10 (d90 - d450) |
| Harvel Shapes ** | N/A-solid rods/tubes/profiles-semi-finished, optimal machining |

| System | Operating Temperature | Dimension | Benefit |
|---------------------|--|-------------------------------|---|
| ABS | -50° C to +60° C (d250 - d315 oper. temp +40° C) | d16 - d315, 3/8 - 8 inch | Excellent for cold water and chilled applications |
| AQUASYSTEM | 0° C to +95° C | d20 - d125 | Excellent temperature - pressure behaviour |
| Harvel Blazemaster | 0° C to +80° C | 3/4 - 3" | Fire Sprinkler system |
| CONTAIN-IT Plus | -40° C to +140° C | d50/20 - d315/225 | Safely conveying hazardous media with process reliability |
| CONTAIN-IT | -0° C to +60° C (outer) | 4 + 6" outer | Safely conveying hazardous media with process reliability |
| COOL-FIT ABS Plus | -50° C to +40° C | d25 - d315 | Three-in-One system, excellent properties |
| COOL-FIT PE Plus | -50° C to +50° C | d250 - d450 | Three-in-One system, excellent properties |
| Double-See | 0° C to +60° C | 1 1/2 - 10" | Safety system to transport hazardous media |
| ecoFIT | -50° C to +60° C | d20 - d630 * | UV&weather resistance, flexible and strong at low temperature |
| ELGEF Plus | -50° C to +60° C | d20 - d2000 | Leak free welded system |
| FUSEAL | 0° C to +100° C | 1 1/2 - 18" | Resistant to alkalis, alcohols, acids, solvents and salt solutions |
| FUSEAL 25/50 | 0° C to +140° C | 1 1/2 - 6" | Resistant to alkalis, alcohols, acids, solvents and salt solutions |
| iFIT | 0° C to +95° C | d16 - d32 | Easy jointing, for all building services applications |
| INSTAFLEX | -10° C to +95° C | d16 - d225 | Hot and cold water sanitary system, compressed air |
| MULTI/JOINT | -5° C to +50° C | d50 - d2000 | Connection to all types of pipes |
| PRIMOFIT | -20° C to +105° C | 3/8 - 4 inch/d20-d63 | Corrosion retarding, drinking water friendly |
| PROGEF Natural | 0° C to +80° C | d20 - d110 | Pigment free polypropylene with smooth surface |
| PROGEF Standard | 0° C to +80° C | d16 - d500 | High stress fracture-, pressure-, abrasion-, corrosion resistance |
| PROGEF Plus | 0° C to +80° C | d20 - d315 | Silicon-free or oil-free system with a high pureness factor |
| PVC-C | 0° C to +80° C | d16 - d225, 1/4 - 24 inch | Chemical and higher temperature resistant |
| PVC-U | 0° C to +60° C | d6 - d400, 1/8 - 24 inch | Easy and fast to joint, very good chemical resistance |
| PVC-U clear | 0° C to +60° C | 1/4 - 12" | Visual monitoring of Process |
| SANIPEX MT | 0° C to +95° C | d16 - d63 | Hot and cold water system, hygienically perfect |
| SeaCor | 0° C to +80° C | 1/2 - 6" | USA coast guard approved piping |
| SYGEF Plus&Standard | -20° C to +140° C | d16 - d450 | High purity, outstanding chemical resistance, UV-resistant |
| Harvel Shapes ** | 0° C to +80° C | 1/4 - 12" (up to 22" PP/HDPE) | Semi-finished rod/tube/profiles, optimal for machining, excellent chemical & corrosion resistance |

inch - metric ranges (mm)
(Pipe Sizes nearest equivalent)

| inch | 3/8 | 1/2 | 3/4 | 1 1/4 | 1 1/2 | 2 1/2 | 3 | 4 | 4 | 5 | 6 | 6 | 8 | 8 | 10 | 10 | 12 | 14 | 16 | 18 | 20 | 24 | | | |
|-----------|-----|-----|-----|-------|-------|-------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| d | 16 | 20 | 25 | 32 | 40 | 50 | 63 | 75 | 90 | 110 | 125 | 140 | 160 | 180 | 200 | 225 | 250 | 280 | 315 | 355 | 400 | 450 | 500 | 560 | 630 |
| DN | 10 | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 100 | 125 | 150 | 150 | 200 | 200 | 250 | 250 | 300 | 350 | 400 | 450 | 500 | 500 | 600 |

d = mm
 * For more information about larger dimensions please contact our local sales companies. Visit our website for more detail system information: www.gfps.com
 ** Detail Harvel Shapes Information: www.harvelshapes.com