

double containment

Environmental issues place increasing responsibility on engineers to ensure that hazardous products are handled safely. Closer focus on health and safety at work issues has also meant that companies have greater responsibilities to maintain a secure environment for employees.

Double containment piping is by no means a new concept to process piping applications. Systems using a carrier pipe with secondary containment have been installed using metal pipes for many years.

DuoSafe® PVC-U and PVC-C double containment systems are designed for ease of installation.

DuoSafe® FLEX is manufactured for dosing applications.

Poly-Flo is a unique system using specially extruded twin-wall pipes and injection moulded twin-wall fittings.

AGRU-SAFE double containment is a fabricated system produced in a wide range of sizes and in a variety of material combinations.

application guide

- Piping systems in the nuclear, gas, petroleum and chemical industries
- Transporting dangerous fluids
- Protecting ground water
- Above or below ground use
- Choice of materials includes PVC-U, PVC-C, PE, PP and PVDF

section guide

DuoSafe PVC-U Pipe	389
DuoSafe PVC-U Fittings	390
DuoSafe PVC-C Pipe	392
DuoSafe PVC-C Fittings	393
DuoSafe Flex	394
Poly-Flo Polypropylene Pipe	397
Poly-Flo Polypropylene Fittings	397
Poly-Flo Polyethylene Pipe	400
Poly-Flo Polyethylene Fittings	400
Poly-Flo PVDF Pipe	402
Poly-Flo PVDF Fittings	402
Agrusafe Polypropylene Pipe	405
Agrusafe Polypropylene Fittings	405
Agrusafe Polyethylene Pipe	408
Agrusafe Polyethylene Fittings	408
Agrusafe Polypropylene x Polyethylene	412
Agrusafe PVDF x Polyethylene	413
Agrusafe PVDF x Polypropylene	414
Agrusafe PVDF x PVDF	415

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DuoSafe systems are manufactured from rigid PVC-U or rigid PVC-C, with containment pipe options including grey or clear PVC-U, PVC-C, ABS or Polyethylene.

They are ideal for above or below ground double containment such as applications found in chemical dosing lines, or to handle a wide range of acids, alcohols, salts and halogens. They are lightweight, rigid and easy to support. DuoSafe PVC-U is suitable for working temperatures up to 60°C. DuoSafe PVC-C may be used at higher temperatures - up to 100°C.

DuoSafe systems are designed for easy installation. Easy access is given to make the first joint on the inner (carrier) pipe, before making the final joint on the outer (containment) pipe. Assembly is faster and joints are more secure. DuoSafe systems are also assembled using a unique solvent cement - Weld-On 724 - which guarantees strong integrity with a wide range of aggressive chemicals.

A second significant benefit is the ease by which pipe cut lengths can be determined using a simple calculation based on the face-to-face measurement between the fittings to be connected. Installation becomes quick and easy.

Several options on pipe pressure ratings are available - up to a maximum 16 bar. For reasons of economy it is usually also possible to reduce the pressure rating of the containment piping without affecting the system integrity.

Systems are available in PVC-U using inch sized piping. It can be specified in the standard dark grey colour, or with a clear PVC-U containment pipe to provide continuous visible monitoring of the system. Additional containment pipe options include ABS, for improved strength on above ground systems, and polyethylene (PE) for below ground applications.

DuoSafe PVC-C is manufactured in inch sizes in light grey with the option of a clear PVC-U containment pipe.

DuoSafe Inch Systems				
Containment	Carrier	PVC-U	PVC-C	PVC-U
		PVC-U	PVC-C	PVC-C
Pipe Size	Pipe Size			
2"	1/2"	•	•	•
3"	3/4"	•	•	•
3"	1"	•	•	•
4"	1 1/2"	•	•	•
4"	2"	•	•	•

Larger sizes on request

DuoSafe® PVC-U double containment

Pipe

6m Lengths



Class C x Class E

Size	Code	Price/Length
2 x 1/2	DCEC-B005-B020	45.64
3 x 3/4	DCEC-B007-B030	71.88
3 x 1	DCEC-B010-B030	76.51
4 x 1 1/2	DCEC-B015-B040	121.28
4 x 2	DCEC-B020-B040	134.51
6 x 3	DCEC-B030-B060	272.87
8 x 4	DCEC-B040-B080	on application

Class E x Class E

Size	Code	Price/Length
2 x 1/2	DCEE-B005-B020	56.56
3 x 3/4	DCEE-B007-B030	94.71
3 x 1	DCEE-B010-B030	99.34
4 x 1 1/2	DCEE-B015-B040	156.01
4 x 2	DCEE-B020-B040	168.68
6 x 3	DCEE-B030-B060	356.66
8 x 4	DCEE-B040-B080	on application

Sch. 40 x Sch. 80

Size	Code	Price/Length
2 x 1/2	DC84-B005-B020	69.79
3 x 3/4	DC84-B007-B030	72.22
3 x 1	DC84-B010-B030	126.79
4 x 1 1/2	DC84-B015-B040	141.68
4 x 2	DC84-B020-B040	135.06
6 x 3	DC84-B030-B060	146.09
8 x 4	DC84-B040-B080	on application

Sch. 80 x Sch. 80

Size	Code	Price/Length
2 x 1/2	DC88-B005-B020	86.33
3 x 3/4	DC88-B007-B030	159.86
3 x 1	DC88-B010-B030	168.14
4 x 1 1/2	DC88-B015-B040	248.06
4 x 2	DC88-B020-B040	265.16
6 x 3	DC88-B030-B060	512.66
8 x 4	DC88-B040-B080	on application

Clear Pipe

10ft (3m) Lengths



Sch. 40

Size	Code	Price/Foot
2	0400200-PL-1000M	7.12
3	0400300-PL-1000M	14.73
4	0400400-PL-1000M	22.04
6	0400600-PL-1000M	40.30
8	0400800-PL-1000M	60.32

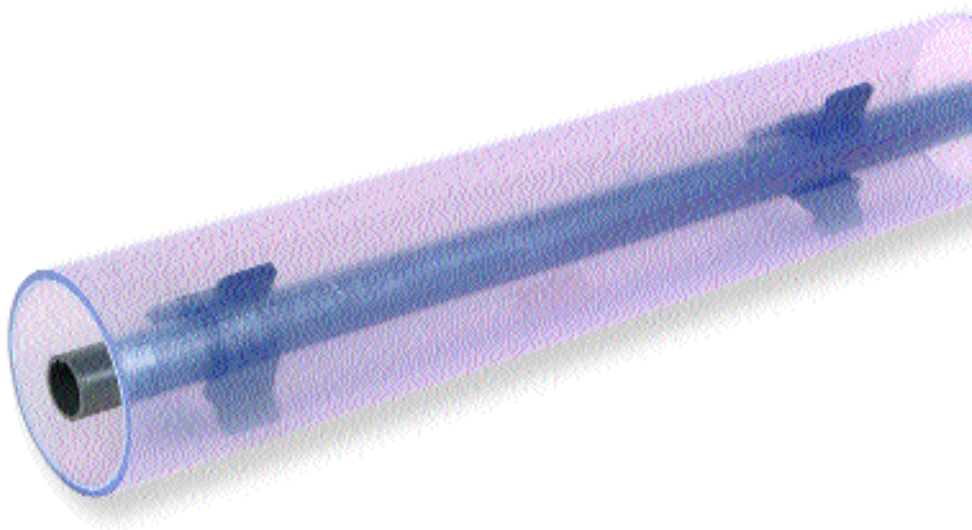
Clear PVC-U pipe is supplied as a single pipe to be used to provide transparent containment sections for visible leak detection.



Centraliser



Size	Price
2 x 1/2	1.99
3 x 3/4	2.59
3 x 1	2.59
4 x 1 1/2	3.14
4 x 2	3.14
6 x 3	5.99
8 x 4	on application



DuoSafe® PVC-U double containment

Tee 90°



Size	Code	Price
2 x 1/2	DC01-B005-B020	28.78
3 x 3/4	DC01-B007-B030	33.41
3 x 1	DC01-B010-B030	35.18
4 x 1 1/2	DC01-B015-B040	47.08
4 x 2	DC01-B020-B040	106.18
6 x 3	DC01-B030-B060	142.78
8 x 4	DC01-B040-B080	206.72

Elbow 90°



Size	Code	Price
2 x 1/2	DC06-B005-B020	21.06
3 x 3/4	DC06-B007-B030	28.89
3 x 1	DC06-B010-B030	30.43
4 x 1 1/2	DC06-B015-B040	40.57
4 x 2	DC06-B020-B040	46.64
6 x 3	DC06-B030-B060	112.46
8 x 4	DC06-B040-B080	194.60

Socket

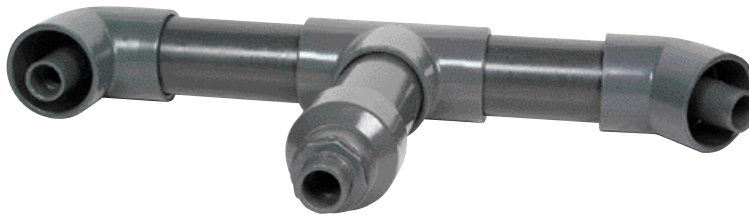


Size	Code	Price
2 x 1/2	DC29-B005-B020	4.63
3 x 3/4	DC29-B007-B030	15.11
3 x 1	DC29-B010-B030	15.21
4 x 1 1/2	DC29-B015-B040	20.44
4 x 2	DC29-B020-B040	21.50
6 x 3	DC29-B030-B060	57.11
8 x 4	DC29-B040-B080	85.33

Elbow 45°



Size	Code	Price
2 x 1/2	DC17-B005-B020	27.46
3 x 3/4	DC17-B007-B030	44.32
3 x 1	DC17-B010-B030	46.64
4 x 1 1/2	DC17-B015-B040	72.22
4 x 2	DC17-B020-B040	74.97
6 x 3	DC17-B030-B060	124.58
8 x 4	DC17-B040-B080	214.99



PVC-U and PVC-C Double Containment

This range is developed from the Spears® double containment system. It is unique because it is designed for easy installation. The carrier fittings are supplied loose so that solvent welded joints can be made in a logical, ordered way, eliminating the need to make simultaneous joints on the carrier and containment pipes.

Zoning Fitting



Size	Code	Price
2 x 1/2	DCDB-B005-B020	43.11
3 x 3/4	DCDB-B007-B030	51.93
3 x 1	DCDB-B010-B030	54.68
4 x 1 1/2	DCDB-B015-B040	59.54
4 x 2	DCDB-B020-B040	61.74
6 x 3	DCDB-B030-B060	152.70
8 x 4	DCDB-B040-B080	229.05

Termination Fitting

Plain Socket



Size	Code	Price
2 x 1/2	DCTM-B005-B020	42.67
3 x 3/4	DCTM-B007-B030	50.83
3 x 1	DCTM-B010-B030	53.48
4 x 1 1/2	DCTM-B015-B040	58.55
4 x 2	DCTM-B020-B040	58.55
6 x 3	DCTM-B030-B060	147.19
8 x 4	DCTM-B040-B080	264.78

Closure Fitting



Size	Code	Price
2	DCCF-B020	114.66
3	DCCF-B030	123.48
4	DCCF-B040	127.89
6	DCCF-B060	147.74
8	DCCF-B080	221.61

Termination Fitting

Flanged



Size	Code	Price
2 x 1/2	DCTF-B005-B020	48.51
3 x 3/4	DCTF-B007-B030	57.89
3 x 1	DCTF-B010-B030	60.97
4 x 1 1/2	DCTF-B015-B040	66.93
4 x 2	DCTF-B020-B040	70.34
6 x 3	DCTF-B030-B060	168.14
8 x 4	DCTF-B040-B080	296.52

Ball Valve

Manual Operation



Size	Code	Price
2 x 1/2	DCBV-B005-B020	on application
3 x 3/4	DCBV-B007-B030	on application
3 x 1	DCBV-B010-B030	on application
4 x 1 1/2	DCBV-B015-B040	on application
4 x 2	DCBV-B020-B040	on application
6 x 3	DCBV-B030-B060	on application
8 x 4	DCBV-B040-B080	on application

Leak Detection Tee

With Drain Valve



Size	Code	Price
2 x 1	DCLD-B020	on application
3 x 1	DCLD-B030	on application
4 x 1	DCLD-B040	on application
6 x 1	DCLD-B060	on application
8 x 1	DCLD-B080	on application

Leak Detection Saddle

With Drain Valve



Size	Code	Price
2 x 1	DCLS-B020	on application
3 x 1	DCLS-B030	on application
4 x 1	DCLS-B040	on application
6 x 1	DCLS-B060	on application
8 x 1	DCLS-B080	on application

Solvent Cement*

Size	Code	Price
500ml tin	724-301	16.11
Quart (946ml) tin	724-201	28.97

*The use of Weld-On 724 Cement with this system is a requirement of the warranty.

Primer

Size	Code	Price
Pint (473ml) tin	770-300	12.50
Quart (946ml) tin	770-200	20.08

Cleaning Fluid

Size	Code	Price
500ml tin	765-300	6.86

DuoSafe® PVC-C double containment

Pipe

6m Lengths



Sch. 40 x Sch. 80

Size	Code	Price/Length
2 x 1/2	DC84-C005-C020	128.45
3 x 3/4	DC84-C007-C030	240.35
3 x 1	DC84-C010-C030	256.88
4 x 1 1/2	DC84-C015-C040	357.77
4 x 2	DC84-C020-C040	390.84
6 x 3	DC84-C030-C060	776.16
8 x 4	DC84-C040-C080	on application

Sch. 80 x Sch. 80

Size	Code	Price/Length
2 x 1/2	DC88-C005-C020	154.91
3 x 3/4	DC88-C007-C030	291.63
3 x 1	DC88-C010-C030	308.15
4 x 1 1/2	DC88-C015-C040	452.58
4 x 2	DC88-C020-C040	485.66
6 x 3	DC88-C030-C060	968.00
8 x 4	DC88-C040-C080	on application

PVC-U Clear Pipe

10ft (3m) Lengths



Sch. 40

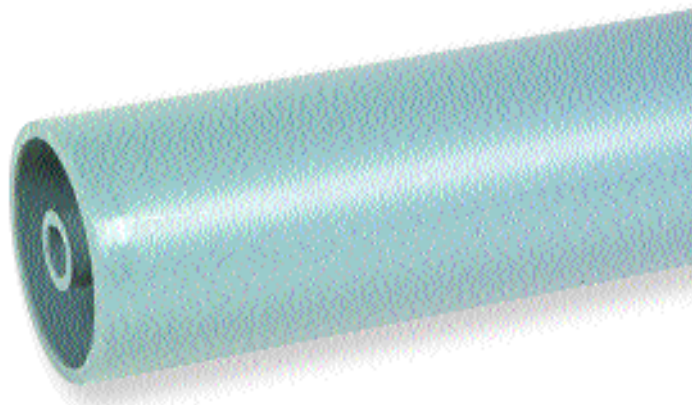
Size	Code	Price/Foot
2	0400200-PL-1000M	7.12
3	0400300-PL-1000M	14.73
4	0400400-PL-1000M	22.04
6	0400600-PL-1000M	40.30
8	0400800-PL-1000M	60.32

Clear PVC-U pipe is supplied as a single pipe to be used to provide transparent containment sections for visible leak detection.

Centraliser



Size	Price
2 x 1/2	1.99
3 x 3/4	2.59
3 x 1	2.59
4 x 1 1/2	3.14
4 x 2	3.14
6 x 3	5.79
8 x 4	on application



Tee 90°



Size	Code	Price
2 x 1/2	DC01-C005-C020	47.08
3 x 3/4	DC01-C007-C030	70.56
3 x 1	DC01-C010-C030	74.31
4 x 1 1/2	DC01-C015-C040	107.38
4 x 2	DC01-C020-C040	201.76
6 x 3	DC01-C030-C060	270.11
8 x 4	DC01-C040-C080	571.10

Elbow 90°



Size	Code	Price
2 x 1/2	DC06-C005-C020	30.43
3 x 3/4	DC06-C007-C030	53.14
3 x 1	DC06-C010-C030	55.90
4 x 1 1/2	DC06-C015-C040	94.49
4 x 2	DC06-C020-C040	99.12
6 x 3	DC06-C030-C060	206.72
8 x 4	DC06-C040-C080	411.79

Socket



Size	Code	Price
2 x 1/2	DC29-C005-C020	10.75
3 x 3/4	DC29-C007-C030	23.98
3 x 1	DC29-C010-C030	25.03
4 x 1 1/2	DC29-C015-C040	37.04
4 x 2	DC29-C020-C040	38.15
6 x 3	DC29-C030-C060	89.96
8 x 4	DC29-C040-C080	205.62

Elbow 45°



Size	Code	Price
2 x 1/2	DC17-C005-C020	31.75
3 x 3/4	DC17-C007-C030	57.23
3 x 1	DC17-C010-C030	60.20
4 x 1 1/2	DC17-C015-C040	86.22
4 x 2	DC17-C020-C040	90.08
6 x 3	DC17-C030-C060	180.26
8 x 4	DC17-C040-C080	317.52

Zoning Fitting



Size	Code	Price
2 x 1/2	DCDB-C005-C020	67.37
3 x 3/4	DCDB-C007-C030	78.50
3 x 1	DCDB-C010-B030	82.69
4 x 1 1/2	DCDB-C015-C040	91.62
4 x 2	DCDB-C020-C040	94.93
6 x 3	DCDB-C030-C060	223.26
8 x 4	DCDB-C040-C080	243.38

Termination Fitting

Plain Socket



Size	Code	Price
2 x 1/2	DCTM-C005-C020	64.06
3 x 3/4	DCTM-C007-C030	76.29
3 x 1	DCTM-C010-C030	80.26
4 x 1 1/2	DCTM-C015-C040	87.87
4 x 2	DCTM-C020-C040	87.87
6 x 3	DCTM-C030-C060	219.40
8 x 4	DCTM-C040-C080	599.59

Closure Fitting



Size	Code	Price
2	DCCF-C020	119.07
3	DCCF-C030	127.89
4	DCCF-C040	134.51
6	DCCF-C060	165.38
8	DCCF-C080	248.07

Termination Fitting

Flanged



Size	Code	Price
2 x 1/2	DCTF-C005-C020	72.44
3 x 3/4	DCTF-C007-C030	85.77
3 x 1	DCTF-C010-C030	90.30
4 x 1 1/2	DCTF-C015-C040	101.55
4 x 2	DCTF-C020-C040	105.51
6 x 3	DCTF-C030-C060	256.88
8 x 4	DCTF-C040-C080	on application

Ball Valve

Manual Operation



Size	Code	Price
2 x 1/2	DCBV-C005-C020	on application
3 x 3/4	DCBV-C007-C030	on application
3 x 1	DCBV-C010-C030	on application
4 x 1 1/2	DCBV-C015-C040	on application
4 x 2	DCBV-C020-C040	on application
6 x 3	DCBV-C030-C060	on application
8 x 4	DCBV-C040-C080	on application

Leak Detection Tee

With Drain Valve



Size	Code	Price
2 x 1	DCLD-C020	on application
3 x 1	DCLD-C030	on application
4 x 1	DCLD-C040	on application
6 x 1	DCLD-C060	on application
8 x 1	DCLD-C080	on application

Leak Detection Saddle

With Drain Valve



Size	Code	Price
2 x 1	DCLS-C020	on application
3 x 1	DCLS-C030	on application
4 x 1	DCLS-C040	on application
6 x 1	DCLS-C060	on application
8 x 1	DCLS-C080	on application

Solvent Cement*

Size	Code	Price
500ml tin	724-301	16.11
Quart (946ml) tin	724-201	28.97

*The use of Weld-On 724 Cement with this system is a requirement of the warranty.

Primer

Size	Code	Price
Pint (473ml) tin	770-300	12.50
Quart (946ml) tin	770-200	20.08

Cleaning Fluid

Size	Code	Price
500ml tin	765-300	6.86

DuoSafe® FLEX

DuoSafe FLEX is engineered for applications where long, continuous lengths of small diameter pipe is required. It is ideal for dosing applications such as in water treatment where there may be multiple dosing points drawing from a single chemical storage unit.

DuoSafe FLEX is developed in conjunction with Copely Developments - one of the pioneers in the development of flexible pipe systems, and the inventors of the first open mesh PVC hose in 1950.

The system uses high quality flexibles that are manufactured as double contained products in a single extrusion process. They are supplied either in standard coil lengths of up to 300 metres, or may be cut to specific shorter lengths or specially manufactured in longer coils should the job require it. Connections between lengths or at termination points are made using a special range of rigid PVC-U fittings.

There are two types of flexible carrier hose available - Aquachem and Hydrachem - each offering strong resistance to a wide range of dosing chemicals. The carrier (dosing) tube is manufactured in sizes from DN 6mm up to DN 38mm, with a maximum working pressure of 10 bar.



DuoSafe FLEX Systems			
Containment Hose ID	Carrier Hose ID	Aquachem	Hydrachem
19mm	6.3mm	•	•
25mm	10.0mm	•	•
25mm	12.5mm	•	•
32mm	19.0mm	•	•
38mm	25.0mm	•	•
50mm	31.5mm	•	•
60mm	38.0mm	•	•

DuoSafe FLEX Aquachem Double Containment Hose

Code	Carrier Hose Size		Containment Hose Size		Price per Metre
	I.D. (mm)	O.D. (mm)	I.D. (mm)	O.D. (mm)	
PRH 06 / C25	6.3	12.0	19.0	25.0	14.65
PRH 10 / C25	10.0	16.0	25.0	31.0	17.55
PRH 12 / C25	12.5	19.0	25.0	31.0	20.21
PRH 19 / C325	19.0	26.0	32.0	42.0	22.78
PRH 25 / C385	25.0	33.0	38.0	48.0	25.52
PRH 32 / C506	31.5	41.0	50.0	62.0	34.53
PRH 38 / C606	38.0	48.5	60.0	72.0	41.69

Colour: White Carrier Hose with Clear Blue Tint Containment Hose

DuoSafe FLEX Hydrachem Double Containment Hose

Code	Carrier Hose Size		Containment Hose Size		Price per Metre
	I.D. (mm)	O.D. (mm)	I.D. (mm)	O.D. (mm)	
EVC 06 / C25	6.3	12.0	19.0	25.0	14.65
EVC 10 / C25	10.0	16.0	25.0	31.0	17.55
EVC 12 / C25	12.5	19.0	25.0	31.0	20.21
EVC 19 / C325	19.0	26.0	32.0	42.0	22.78
EVC 25 / C385	25.0	33.0	38.0	48.0	25.52
EVC 32 / C506	31.5	41.0	50.0	62.0	34.53
EVC 38 / C606	38.0	48.5	60.0	72.0	41.69

Colour: White Carrier Hose with Clear Blue Tint Containment Hose

CodeFLEX Aquachem & Hydrachem Hose

Aquachem Code	Hydrachem Code	Hose Size		Price per Metre
		I.D. (mm)	O.D. (mm)	
PRH 06	EVC 06	6.3	12.0	8.29
PRH 10	EVC 10	10.0	16.0	9.93
PRH 12	EVC 12	12.5	19.0	11.45
PRH 19	EVC 19	19.0	26.0	12.90
PRH 25	EVC 25	25.0	33.0	14.44
PRH 32	EVC 32	31.5	41.0	19.55
PRH 38	EVC 38	38.0	48.5	23.62

Colour: White

Compression Tool

Heavy duty model



Code	Price
14 1000 30	68.25

DuoSafe Flex Fittings

Dosing Connector

Terminates inner hose



Hose Size I.D. (mm)	Hose Size O.D. (mm)	Thread Size BSP	Code	Price
6.3	12.0	1/2 Male	PHR 06 DOS	21.75
10.0	16.0	1/2 Male	PHR 10 DOS	23.00
12.5	19.0	1/2 Male	PHR 12 DOS	23.25
19.0	26.0	3/4 Female	PHR 19 DOS	25.13
25.0	33.0	1 Female	PHR 25 DOS	25.87
31.5	41.0	1 1/4 Female	PHR 31 DOS	on application
38.0	48.5	1 1/2 Female	PHR 38 DOS	on application

Colour: Grey PVC-U

Complete with stainless steel compression bands

Double Connector

Terminates inner and outer hose. Provides threaded connection to inner hose



Inner Hose I.D. (mm)	Outer Hose O.D. (mm)	Thread Size BSP	Code	Price
6.3	19.0	1/2 Male	PHR 06 DUAL	28.88
10.0	25.0	1/2 Male	PHR 10 DUAL	30.19
12.5	25.0	1/2 Male	PHR 12 DUAL	31.88
19.0	32.0	3/4 Female	PHR 19 DUAL	34.13
25.0	38.0	3/4 Female	PHR 25 DUAL	35.63
31.5	50.0	1 1/4 Female	PHR 31 DUAL	on application
38.0	60.0	1 1/2 Female	PHR 38 DUAL	on application

Colour: Grey PVC-U

Complete with stainless steel compression bands

Outer Termination

Terminates outer hose only. Male solvent weld spigot connection



Hose Size I.D. (mm)	Hose Size O.D. (mm)	Spigot Size Solvent Weld	Code	Price
19.0	25.0	20mm	PHR 06 OT	22.80
25.0	31.0	25mm	PHR 10 OT	23.00
25.0	31.0	25mm	PHR 12 OT	23.25
32.0	42.0	32mm	PHR 19 OT	25.13
38.0	48.0	40mm	PHR 25 OT	25.87
50.0	62.0	50mm	PHR 31 OT	on application
60.0	72.0	63mm	PHR 38 OT	on application

Colour: Grey PVC-U

Complete with stainless steel compression bands



 **Poly-Flo®**

The Asahi/America Poly-Flo system is a unique product. Manufactured in a patented process, it uses rigid pipes that are extruded as a twin-wall product together with twin-wall fittings that are injection moulded as a single item.

The first benefit from this process is the minimisation of the space required for the containment pipe. Unlike all other rigid systems - that require the size of the containment to be large enough to pass through the carrier pipe and fittings - the unitary construction allows for a significant overall reduction in size.

Poly-Flo is also extremely easy to cut and weld, making installation relatively inexpensive. The carrier pipe and the containment pipe are butt-fusion welded in a single, simultaneous process that gives reliable joints between pipes and fittings.

The Poly-Flo range also includes a number of fittings that are not available in other double containment systems - most notably flanges to enable systems to be prefabricated or to be disassembled.

Manufactured from black Polypropylene, natural PVDF or black Polyethylene, this system is ideal for applications such as laboratory waste systems or pressurised transfer lines. Typical installations are in waste treatment, carrying sulphuric acid or caustic soda, for bulk storage chemicals such as sodium hydroxide and aluminium nitrate; and in semi-conductor plants, handling sulphuric, nitric, and hydrofluoric acids for wet stations. The black Polypropylene and Polyethylene materials also offer a high level of resistance to UV when installed outdoors.

Poly-Flo is available in carrier pipe sizes 1" (DN25mm), 2" (DN 50mm) and 4" (DN 100mm). The assembled system has a fully pressure rated carrier pipe and containment pipe, suitable for use at working pressures of up to 6 bar.



Poly-Flo®				
Containment		PP	PVDF	PE
Pipe Size	Carrier Pipe Size	PP	PVDF	PE
2"	1"	•	•	•
3"	2"	•	•	•
6"	4"	•		•

- Polypropylene is suitable for use at temperatures up to 100°C
- PVDF is suitable for use at temperatures up to 140°C
- HDPE is suitable for use at temperatures up to 60°C
- Black PP and HDPE is resistant to weathering
- Carrier and containment is fully pressure rated
- Maximum working pressure 6 bar at 20°C



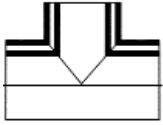
Double Containment Pipe - Black PP

6 Metre Lengths

Size	Code	Price/m
2"x1"	4201249	31.72
3"x2"	4201338	40.17
6"x4"	4201532	94.35

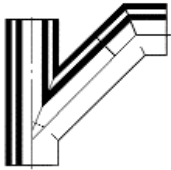


Tee 90°



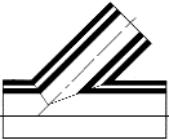
Size	Code	Price
2"x1"	4211249	18.06
3"x2"	4211338	42.60
6"x4"	4211532	647.12

Swept Tee 90°



Size	Code	Price
2"x1"	-	
3"x2"	4250338	182.91
6"x4"	4250532	413.86

Tee 45°



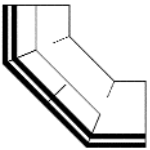
Size	Code	Price
2"x1"	-	
3"x2"	4251338	83.81
6"x4"	4251532	240.21

Elbow 90°



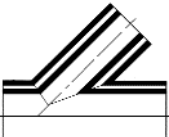
Size	Code	Price
2"x1"	4204249	14.35
3"x2"	4204338	33.69
6"x4"	-	

Bend 90°



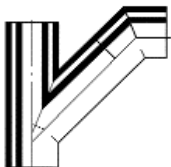
Size	Code	Price
2"x1"	4205249	91.46
3"x2"	4205338	150.50
6"x4"	4205532	298.67

Reducing Tee 45°



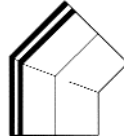
Size	Code	Price
3"/2"x2"/1"	4291338	189.27
6"/4"x3"/2"	4291532	434.69

Reducing Swept Tee 90°



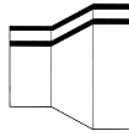
Size	Code	Price
3"/2"x2"/1"	4290338	250.64
6"/4"x3"/2"	4290532	520.94

Elbow 45°



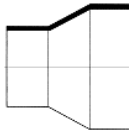
Size	Code	Price
2"x1"	4208249	21.07
3"x2"	4208338	50.70
6"x4"	4208532	125.02

Concentric Reducer



Size	Code	Price
3"/2"x2"/1"	4235338	83.81
6"/4"x3"/2"	4235532	207.80

Outer Wall Reducer

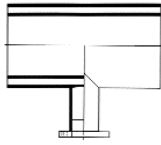


Size	Code	Price
3"x2"	4234338	34.26
6"x4"	4234532	68.76

Test Cap



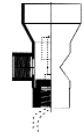
Size	Code	Price
2"x1"	4221249	21.07
3"x2"	4221338	50.70
6"x4"	4221532	125.02



Outer Wall Outlet

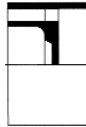
Branch Flanged 1" ASA 150

Size	Code	Price
2"x1"	4292249	207.22
3"x2"	4292338	230.95
6"x4"	4292532	282.46



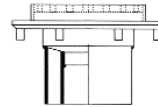
Float Switch Adaptor

Size	Code	Price
1"	4253249	60.66



Outer Wall Adaptor

Size	Code	Price
2"x1"	4252249	24.43
3"x2"	4252338	58.93
6"x4"	4252532	146.44



Floor Drain

Adjustable

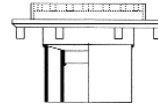
Size	Code	Price
3"x2"	4260338	949.25
6"x4"	4260532	1021.03



Female Adaptor

BSP or NPT Female Thread

Size	Code	Price
2"x1"	4230249	21.42
3"x2"	4230338	51.75
6"x4"	4230532	128.50



Floor Drain

Non-Adjustable

Size	Code	Price
3"x2"	4262338	513.99
6"x4"	4262532	847.38



Socket Fusion Adaptor

Inch Size Socket

Size	Code	Price
2"x1"	4229249	40.98
3"x2"	4229338	75.60
6"x4"	4229532	162.66



P-Trap

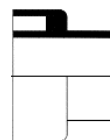
Size	Code	Price
2"x1"	4264249	218.79
3"x2"	4264338	336.29
6"x4"	4264532	634.38



Socket Fusion Adaptor

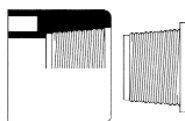
Metric Size Socket

Size	Code	Price
2"x1"	4279249	24.43
3"x2"	4279338	58.93
6"x4"	4279532	146.44



Spigot Adaptor

Size	Code	Price
2"x1"	4278249	91.34
3"x2"	4278338	125.02
6"x4"	4278532	146.44



Clean Out (with plug)

Size	Code	Price
2"x1"	4232249	48.74
3"x2"	4232338	91.34
6"x4"	4232532	237.90

O-Ring Flange ASA 150



Size	Code	Price
2"x1"	4245249	61.58
3"x2"	4245338	73.40
6"x4"	4245532	181.74

Termination Flange ASA 150



Size	Code	Price
2"x1"	4243249	34.26
3"x2"	4243338	83.81
6"x4"	4243532	314.30

Flange ASA 150



Size	Code	Price
2"x1"	4246249	61.58
3"x2"	4246338	73.40
6"x4"	4246532	181.74

Outer Wall O-Ring Flange ASA 150



Size	Code	Price
2"x1"	4241249	67.49
3"x2"	4241338	166.70
6"x4"	4241532	413.86

Blind Flange ASA 150



Size	Code	Price
2"x1"	4242249	94.93
3"x2"	4242338	125.02
6"x4"	4242532	338.03

Outer Wall Flange ASA 150



Size	Code	Price
2"x1"	4244249	67.49
3"x2"	4244338	166.70
6"x4"	4244532	413.86

Isolation Flange ASA 150



Size	Code	Price
2"x1"	4240249	95.28
3"x2"	4240338	125.02
6"x4"	4240532	338.03

Flange O-Ring Kit

FPM

Size	Code	Price
2"x1"	4288249	13.89
3"x2"	4288338	43.65
6"x4"	4288532	98.75

Flange O-Ring Kit

EPDM

Size	Code	Price
2"x1"	4488249	5.68
3"x2"	4488338	33.80
6"x4"	4488532	36.24

Outer Wall Flange O-Ring

FPM

Size	Code	Price
2"x1"	4287249	9.72
3"x2"	4287338	24.43
6"x4"	4287532	51.17

Outer Wall Flange O-Ring

EPDM

Size	Code	Price
2"x1"	4487249	3.89
3"x2"	4487338	16.67
6"x4"	4487532	22.92

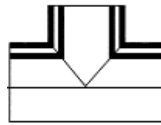




Double Containment Pipe - Black PE

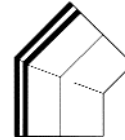
6 Metre Lengths

Size	Code	Price/m
2"x1"	4401249	54.53
3"x2"	4401338	59.85
6"x4"	4401532	136.61



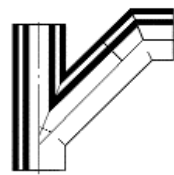
Tee 90°

Size	Code	Price/m
2"x1"	4411249	15.74
3"x2"	4411338	37.40
6"x4"	4411532	706.16



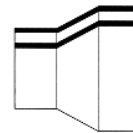
Elbow 45°

Size	Code	Price/m
2"x1"	4408249	18.42
3"x2"	4408338	44.34
6"x4"	4408532	109.52



Swept Tee 90°

Size	Code	Price/m
2"x1"	-	-
3"x2"	4450338	322.40
6"x4"	4450532	410.38



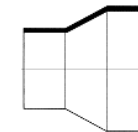
Concentric Reducer

Size	Code	Price/m
3"/2"x2"/1"	4435338	73.40
6"/4"x3"/2"	4435532	181.74



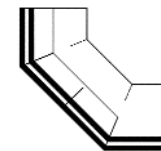
Tee 45°

Size	Code	Price/m
2"x1"	-	-
3"x2"	4451338	278.42
6"x4"	4451532	301.57



Outer Wall Reducer

Size	Code	Price/m
3"x2"	4434338	29.99
6"x4"	4434532	60.32



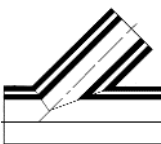
Bend 90°

Size	Code	Price/m
2"x1"	4405249	80.00
3"x2"	4405338	131.40
6"x4"	4405532	406.33



Test Cap

Size	Code	Price/m
2"x1"	4421249	18.42
3"x2"	4421338	44.34
6"x4"	4421532	109.52



Reducing Tee 45°

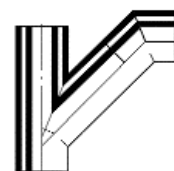
Size	Code	Price/m
3"/2"x2"/1"	4491338	351.34
6"/4"x3"/2"	4491532	482.73



Socket Fusion Adaptor

Inch Size Socket

Size	Code	Price/m
2"x1"	4429249	35.77
3"x2"	4429338	66.11
6"x4"	4429532	142.39



Reducing Swept Tee 90°

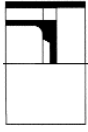
Size	Code	Price/m
3"/2"x2"/1"	4490338	369.86
6"/4"x3"/2"	4490532	526.14



Socket Fusion Adaptor

Metric Size Socket

Size	Code	Price/m
2"x1"	4479249	21.42
3"x2"	4479338	51.75
6"x4"	4479532	128.50



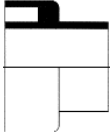
Outer Wall Adaptor

Size	Code	Price/m
2"x1"	4452249	21.42
3"x2"	4452338	51.75
6"x4"	4452532	128.50



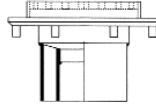
Float Switch Adaptor

Size	Code	Price/m
1"	4453249	53.01



Spigot Adaptor

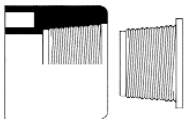
Size	Code	Price/m
2"x1"	4478249	79.87
3"x2"	4478338	109.52
6"x4"	4478532	128.50



Floor Drain

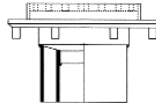
Adjustable

Size	Code	Price/m
3"x2"	4460338	831.18
6"x4"	4460532	893.69



Clean Out (with plug)

Size	Code	Price/m
2"x1"	4432249	42.83
3"x2"	4432338	79.87
6"x4"	4432532	207.80



Floor Drain

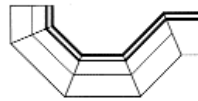
Non-Adjustable

Size	Code	Price/m
3"x2"	4462338	449.75
6"x4"	4462532	742.04



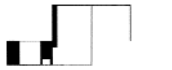
Termination Flange ASA 150

Size	Code	Price
2"x1"	4443249	29.99
3"x2"	4443338	73.40
6"x4"	4443532	274.94



P-Trap

Size	Code	Price/m
2"x1"	4464249	191.59
3"x2"	4464338	294.62
6"x4"	4464532	554.51



Outer Wall O-Ring Flange ASA 150

Size	Code	Price
2"x1"	4441249	59.04
3"x2"	4441338	145.87
6"x4"	4441532	362.33



Outer Wall Flange ASA 150

Size	Code	Price
2"x1"	4444249	59.04
3"x2"	4444338	145.87
6"x4"	4444532	362.33



Outer Wall Flange O-Ring

FPM

Size	Code	Price
2"x1"	4287249	9.72
3"x2"	4287338	24.43
6"x4"	4287532	51.17

Outer Wall Flange O-Ring

EPDM

Size	Code	Price
2"x1"	4487249	3.89
3"x2"	4487338	16.67
6"x4"	4487532	22.92

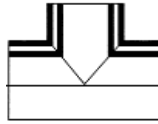
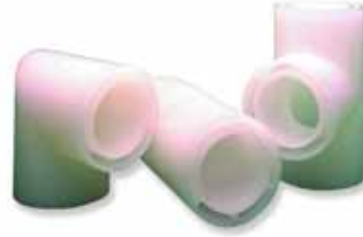




Double Containment Pipe - PVDF

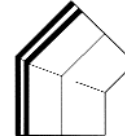
6 Metre Lengths

Size	Code	Price/m
2"x1"	4301249	107.55
3"x2"	4301338	210.12



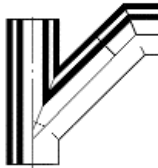
Tee 90°

Size	Code	Price
2"x1"	4311249	37.04
3"x2"	4311338	91.22



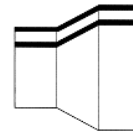
Elbow 45°

Size	Code	Price
2"x1"	4308249	44.00
3"x2"	4308338	108.35



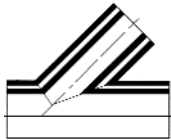
Swept Tee 90°

Size	Code	Price
2"x1"	-	-
3"x2"	4350338	330.51



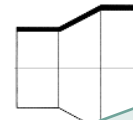
Concentric Reducer

Size	Code	Price
3"/2"x2"/1"	4335338	180.01



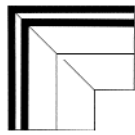
Tee 45°

Size	Code	Price
2"x1"	-	-
3"x2"	4351338	180.01



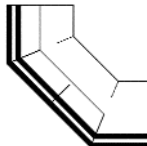
Outer Wall Reducer

Size	Code	Price
3"/2"x2"/1"	-	72.70



Elbow 90°

Size	Code	Price
2"x1"	4304249	-
3"x2"	4304338	-



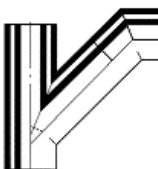
Bend

Size	Code	Price
2"x1"	4305249	131.40
3"x2"	4305338	259.31



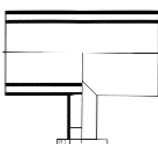
Reducing Tee 45°

Size	Code	Price
3"/2"x2"/1"	4391338	402.28



Reducing Swept Tee 90°

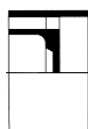
Size	Code	Price
3"/2"x2"/1"	4390338	487.95



Outer Wall Outlet

Branch Flanged 1" ASA 150

Size	Code	Price
2"x1"	4392249	243.11
3"x2"	4392338	303.88



Outer Wall Adaptor

Size	Code	Price
2"x1"	4352249	51.29
3"x2"	4352338	126.77



Female Adaptor

BSP or NPT Female Thread

Size	Code	Price
2"x1"	4330249	51.29
3"x2"	4330338	126.77



Socket Fusion Adaptor

Inch Size Socket

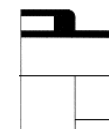
Size	Code	Price
2"x1"	4329249	141.24
3"x2"	4329338	215.90



Socket Fusion Adaptor

Metric Size Socket

Size	Code	Price
2"x1"	4379249	51.29
3"x2"	4379338	126.77



Spigot Adaptor

Size	Code	Price
2"x1"	4378249	234.42
3"x2"	4378338	317.77

Please contact us to discuss availability

**O-Ring Flange
ASA 150**



Size	Code	Price
2"x1"	4345249	76.17
3"x2"	4345338	180.01

Flange ASA 150



Size	Code	Price
2"x1"	4346249	76.17
3"x2"	4346338	180.01

Blind Flange ASA 150



Size	Code	Price
2"x1"	4342249	196.22
3"x2"	4342338	307.93

**Termination Flange
ASA 150**



Size	Code	Price
2"x1"	4343249	72.70
3"x2"	4343338	180.01

**O-Ring
Flange**



Size	Code	Price
2"x1"	4341249	144.13
3"x2"	4341338	358.87

**Outer Wall Flange
ASA 150**



Size	Code	Price
2"x1"	4344249	144.13
3"x2"	4344338	358.87

**Isolation Flange
ASA 150**

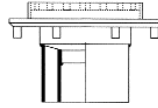


Size	Code	Price
2"x1"	4340249	196.22
3"x2"	4340338	307.93



Float Switch Adaptor

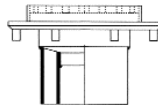
Size	Code	Price
1"	4353249	130.24



Floor Drain

Adjustable

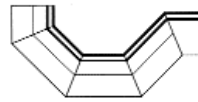
Size	Code	Price
3"x2"	4360338	4052.84



Floor Drain

Non-Adjustable

Size	Code	Price
3"x2"	4362338	3218.20



P-Trap

Size	Code	Price
2"x1"	4332249	291.72
3"x2"	4332338	307.93

Please contact us to discuss availability

Plug (with plug)

Size	Code	Price
2"x1"	4332249	147.60
3"x2"	4332338	442.22

Flange O-Ring Kit

FPM

Size	Code	Price
2"x1"	4288249	13.89
3"x2"	4288338	43.65

Flange O-Ring Kit

EPDM

Size	Code	Price
2"x1"	4488249	5.68
3"x2"	4488338	33.80

**Outer Wall Flange
O-Ring**

FPM

Size	Code	Price
2"x1"	4287249	9.72
3"x2"	4287338	24.43

**Outer Wall Flange
O-Ring**

EPDM

Size	Code	Price
2"x1"	4487249	3.89
3"x2"	4487338	16.67



Agrusafe

AgruSafe double containment is fabricated from separate pipes, and is available in Polypropylene, PVDF, Polyethylene and ECTFE (Halar). It is manufactured by AGRU - using the latest production and fabrication techniques to ensure maximum system integrity.

The systems may be assembled using the same carrier and containment materials, or they may also be ordered with dissimilar materials for reasons of economy or perhaps to suit a particular application.

AgruSafe is available with carrier pipe sizes as small as DN 25mm, however it is especially suitable for larger diameter systems. The standard range features carrier pipe diameters in sizes up to DN 250mm, but it is commonly manufactured in larger sizes up to DN 600mm. It is ideal for industrial and process waste lines as well as for pressurised transfer piping. Typical applications are found in pharmaceutical and semi-conductor plants, steel mills, plating shops, or in the chemical and nuclear industries.

There are two separate welding techniques used for AgruSafe systems: simultaneous welding and cascade welding.

Simultaneous welding uses the standard butt-fusion welding technique and is used where carrier pipes and containment pipes of the same material are used. The twin walls of the pipes and the fittings are welded together during the assembly process so that they can be clamped as one piece in the butt-fusion welding machine. Welding of the carrier and containment pipe takes place simultaneously.

The cascade welding technique is required when the carrier and containment pipes are from different materials. Cascade welding requires a specially adapted butt-fusion welding machine with a split welding plate so that the carrier pipe can be welded first. Once this is done, the outer shell of the welding plate is moved into position so that the containment pipe can be welded. Welding machines for both systems are available for sale or for hire.

AgruSafe systems are available in a variety of pressure ratings - up to PN16 - to suit the application. Using the wide range of pressure rated pipe and fittings - for example PN 3.2, PN 6 or PN 10 - it is possible to optimise the cost effectiveness of the system.

AgruSafe Simultaneous Welded Systems					
Containment		PP	PE	PVDF	ECTFE
Pipe Size	Carrier Pipe Size	PP	PE	PVDF	ECTFE
90mm	32mm	•	•	•	•
110mm	63mm	•	•		
125mm	63mm			•	
160mm	63mm				•
160mm	90mm	•	•	•	•
200mm	110mm	•	•	•	
280mm	160mm	•	•	•	
315mm	200mm	•	•		
355mm	250mm	•	•		

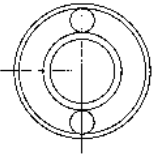
AgruSafe Cascade Welded Systems					
Containment		PE	PE	PP	
Pipe Size	Carrier Pipe Size	PP	PVDF	PVDF	
90mm	32mm	•	•	•	
110mm	63mm				
125mm	63mm	•	•	•	
160mm	90mm	•	•	•	
200mm	110mm	•	•	•	
280mm	160mm	•	•	•	

Larger sizes on request



**Pipe -
PP x PP**

5m Lengths

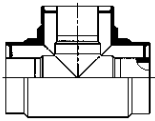


PN3.2 x PN6		
Size Containment/ Carrier	Code	Price/M
90/32	-	
110/63	-	
160/90	80 785 1690 37	55.22
200/110	80 785 2011 37	82.19
280/160	-	
315/200	-	
355/250	-	

PN3.2 x PN10	
Code	Price/M
-	
80 785 1163 31	39.94
80 785 1690 31	59.04
80 785 2011 31	87.75
80 785 2816 31	158.03
80 785 3120 31	192.75
80 785 3525 31	258.15

PN6 x PN10	
Code	Price/M
80 785 9032 71	35.54
-	
-	
-	
-	
-	
-	

**Tee 90° -
PP x PP**

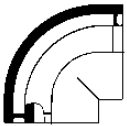


PN3.2 x PN6		
Size Containment/ Carrier	Code	Price
90/32	-	
110/63	-	
160/90	80 106 1690 37	210.12
200/110	80 106 2011 37	268.57
280/160	-	
315/200	-	
355/250	-	

PN3.2 x PN10	
Code	Price
-	
80 106 1163 31	138.92
80 106 1690 31	216.48
80 106 2011 31	274.35
80 106 2816 31	649.43
80 106 3120 31	927.26
80 106 3525 31	1561.63

PN6 x PN10	
Code	Price
80 106 9032 71	114.95
-	
-	
-	
-	
-	
-	

**Bend 90° -
PP x PP**

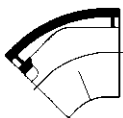


PN3.2 x PN6		
Size Containment/ Carrier	Code	Price
90/32	-	
110/63	-	
160/90	80 101 1690 37	142.39
200/110	80 101 2011 37	188.12
280/160	-	
315/200	-	
355/250	-	

PN3.2 x PN10	
Code	Price
-	
80 101 1163 31	100.25
80 101 1690 31	144.13
80 101 2011 31	188.70
80 101 2816 31	421.38
80 101 3120 31	494.89
80 101 3525 31	994.40

PN6 x PN10	
Code	Price
80 101 9032 71	79.41
-	
-	
-	
-	
-	
-	

**Bend 45° -
PP x PP**



PN3.2 x PN6		
Size Containment/ Carrier	Code	Price
90/32	-	
110/63	-	
160/90	80 102 1690 37	170.17
200/110	80 102 2011 37	222.85
280/160	-	
315/200	-	
355/250	-	

PN3.2 x PN10	
Code	Price
-	
80 102 1163 31	120.39
80 102 1690 31	172.48
80 102 2011 31	226.89
80 102 2816 31	494.31
80 102 3120 31	554.51
80 102 3525 31	1192.36

PN6 x PN10	
Code	Price
80 102 9032 71	95.16
-	
-	
-	
-	
-	
-	

**Concentric
Reducer -
PP x PP**



PN3.2 x PN6		
Size Containment/ Carrier	Code	Price
110/63x90/32	-	
160/90x90/32	-	
160/90x110/63	80 107 9063 37	149.33
200/110x110/63	-	
200/110x160/90	80 107 1190 37	260.46
280/160x160/90	-	
280/160x200/110	-	
315/200x200/110	-	
315/200x280/160	-	
355/250x280/160	-	
355/250x315/200	-	

PN3.2 x PN10	
Code	Price
-	
80 107 9032 31	192.75
80 107 9063 31	149.92
80 107 1163 31	320.66
80 107 1190 31	261.63
80 107 1690 31	501.25
80 107 1611 31	501.25
80 107 2011 31	648.27
80 107 2016 31	648.27
80 107 2516 31	1383.36
80 107 2520 31	1218.98

PN6 x PN10	
Code	Price
80 107 6332 71	88.90
-	
-	
-	
-	
-	
-	
-	
-	

**Cap -
PP x PP**



PN3.2 x PN6		
Size Containment/ Carrier	Code	Price
90/32	-	
110/63	-	
160/90	80 154 1690 37	127.34
200/110	80 154 2011 37	156.86
280/160	-	
315/200	-	
355/250	-	

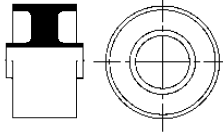
PN3.2 x PN10	
Code	Price
-	
80 154 1163 31	92.03
80 154 1690 31	127.34
80 154 2011 31	156.86
80 154 2816 31	210.69
80 154 3120 31	262.21
80 154 3525 31	298.67

PN6 x PN10	
Code	Price
80 154 9032 71	84.04
-	
-	
-	
-	
-	
-	

Fixed Point Fitting - PP x PP

(Dog Bone Type 1)

Isolates Containment



PN3.2 x PN6

Size Containment/Carrier	Code	Price
90/32	-	
110/63	-	
160/90	80 137 1690 37	133.71
200/110	80 137 2011 37	164.39
280/160	-	
315/200	-	
355/250	-	

PN3.2 x PN10

Code	Price
-	
80 137 1163 31	97.24
80 137 1690 31	133.71
80 137 2011 31	164.39
80 137 2816 31	221.11
80 137 3120 31	275.52
80 137 3525 31	313.72

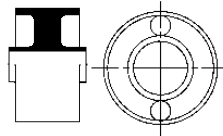
PN6 x PN10

Code	Price
80 137 9032 71	88.64
-	
-	
-	
-	
-	
-	

Fixed Point Fitting - PP x PP

(Dog Bone Type 1)

Continues Containment



PN3.2 x PN6

Size Containment/Carrier	Code	Price
90/32	-	
110/63	-	
160/90	80 147 1690 37	153.39
200/110	80 147 2011 37	189.27
280/160	-	
315/200	-	
355/250	-	

PN3.2 x PN10

Code	Price
-	
80 147 1163 31	121.55
80 147 1690 31	153.39
80 147 2011 31	189.27
80 147 2816 31	254.68
80 147 3120 31	317.19
80 147 3525 31	360.60

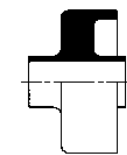
PN6 x PN10

Code	Price
80 147 9032 71	110.90
-	
-	
-	
-	
-	
-	

Fixed Point Fitting - PP x PP

(Dog Bone Type 1-A)

Terminates Containment



PN3.2 x PN6

Size Containment/Carrier	Code	Price
90/32	-	
110/63	-	
160/90	80 136 1690 37	133.71
200/110	80 136 2011 37	164.39
280/160	-	
315/200	-	
355/250	-	

PN3.2 x PN10

Code	Price
-	
80 136 1163 31	97.24
80 136 1690 31	133.71
80 136 2011 31	164.39
80 136 2816 31	221.11
80 136 3120 31	275.52
80 136 3525 31	313.72

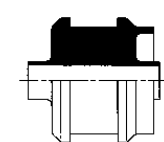
PN6 x PN10

Code	Price
80 136 9032 71	88.67
-	
-	
-	
-	
-	
-	

Fixed Point Fitting - PP x PP

(Dog Bone Type 2-A)

Terminates Containment



PN3.2 x PN6

Size Containment/Carrier	Code	Price
90/32	-	
110/63	-	
160/90	80 138 1690 37	188.70
200/110	80 138 2011 37	283.05
280/160	-	
315/200	-	
355/250	-	

PN3.2 x PN10

Code	Price
-	
80 138 1163 31	123.87
80 138 1690 31	188.70
80 138 2011 31	283.05
80 138 2816 31	384.92
80 138 3120 31	392.44
80 138 3525 31	454.38

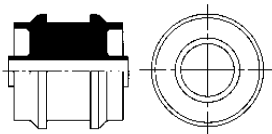
PN6 x PN10

Code	Price
80 138 9032 71	107.19
-	
-	
-	
-	
-	
-	

Fixed Point Fitting - PP x PP

(Dog Bone Type 2)

Isolates Containment



PN3.2 x PN6

Size Containment/Carrier	Code	Price
90/32	-	
110/63	-	
160/90	80 139 1690 37	188.70
200/110	80 139 2011 37	283.05
280/160	-	
315/200	-	
355/250	-	

PN3.2 x PN10

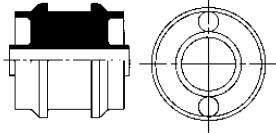
Code	Price
-	
80 139 1163 31	123.87
80 139 1690 31	188.70
80 139 2011 31	283.05
80 139 2816 31	384.92
80 139 3120 31	392.44
80 139 3525 31	454.38

PN6 x PN10

Code	Price
80 139 9032 71	107.19
-	
-	
-	
-	
-	
-	

Fixed Point Fitting - PP x PP

(Dog Bone Type 2)
Continues Containment



PN3.2 x PN6

Size Containment/Carrier	Code	Price
90/32	-	
110/63	-	
160/90	80 149 1690 37	216.48
200/110	80 149 2011 37	325.88
280/160	-	
315/200	-	
355/250	-	

PN3.2 x PN10

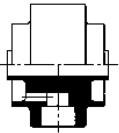
Code	Price
-	
80 149 1163 31	155.13
80 149 1690 31	216.48
80 149 2011 31	325.88
80 149 2816 31	442.80
80 149 3120 31	450.90
80 149 3525 31	522.09

PN6 x PN10

Code	Price
80 149 9032 71	134.28
-	
-	
-	
-	
-	
-	

Fixed Point Fitting - PP x PP

(Leak Detection Connection)
Isolates Containment



PN3.2 x PN6

Size Containment/Carrier	Code	Price
90/32	-	
110/63	-	
160/90	80 140 1690 37	226.32
200/110	80 140 2011 37	258.73
280/160	-	
315/200	-	
355/250	-	

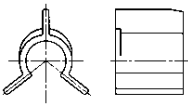
PN3.2 x PN10

Code	Price
-	
80 140 1163 31	192.17
80 140 1690 31	226.32
80 140 2011 31	258.73
80 140 2816 31	319.50
80 140 3120 31	362.92
80 140 3525 31	412.70

PN6 x PN10

Code	Price
80 140 9032 71	178.86
-	
-	
-	
-	
-	
-	

Spider Clip - PP



PN3.2 x PN6

Size Containment/Carrier	Code	Price
90/32	-	
110/63	80 099 1163 33	5.61
160/90	80 099 1690 33	7.41
200/110	80 099 2011 33	8.16
280/160	80 099 2816 33	13.31
315/200	80 099 3120 33	15.05
355/250	80 099 3525 33	15.74

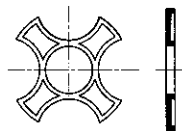
PN3.2 x PN10

Code	Price
-	
80 099 1163 33	5.61
80 099 1690 33	7.41
80 099 2011 33	8.16
80 099 2816 33	13.31
80 099 3120 33	15.05
80 099 3525 33	15.74

PN6 x PN10

Code	Price
-	
-	
-	
-	
-	
-	
-	

Support Disc - PP



PN3.2 x PN6

Size Containment/Carrier	Code	Price
90/32	-	
110/63	80 098 1163 33	5.61
160/90	80 098 1690 33	7.41
200/110	80 098 2011 33	8.16
280/160	80 098 2816 33	13.31
315/200	80 098 3120 33	15.05
355/250	80 098 3525 33	15.74

PN3.2 x PN10

Code	Price
-	
80 098 1163 33	5.61
80 098 1690 33	7.41
80 098 2011 33	8.16
80 098 2816 33	13.31
80 098 3120 33	15.05
80 098 3525 33	15.74

PN6 x PN10

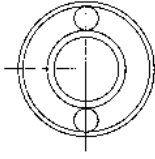
Code	Price
80 098 9032 17	4.58
-	
-	
-	
-	
-	
-	



polyethylene x polyethylene

Pipe - PE x PE

5m Lengths



PN3.2 x PN6

Size Containment/Carrier	Code	Price/M
90/32	-	-
110/63	-	-
160/90	82 785 1690 37	55.22
200/110	82 785 2011 37	82.19
280/160	-	-
315/200	-	-
355/250	-	-

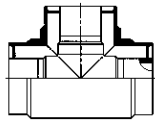
PN3.2 x PN10

Code	Price/M
-	-
82 785 1163 31	39.94
82 785 1690 31	59.04
82 785 2011 31	87.75
82 785 2816 31	158.75
82 785 3120 31	192.75
82 785 3525 31	258.15

PN6 x PN10

Code	Price/M
82 785 9032 71	35.54
-	-
-	-
-	-
-	-
-	-
-	-

Tee 90° - PE x PE



PN3.2 x PN6

Size Containment/Carrier	Code	Price
90/32	-	-
110/63	-	-
160/90	82 106 1690 37	210.12
200/110	82 106 2011 37	268.57
280/160	-	-
315/200	-	-
355/250	-	-

PN3.2 x PN10

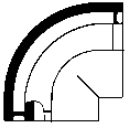
Code	Price
-	-
82 106 1163 31	138.92
82 106 1690 31	216.48
82 106 2011 31	274.35
82 106 2816 31	649.43
82 106 3120 31	927.26
82 106 3525 31	1561.63

PN6 x PN10

Code	Price
82 106 9032 71	114.95
-	-
-	-
-	-
-	-
-	-
-	-



**Bend 90° -
PE x PE**



PN3.2 x PN6

Size Containment/ Carrier	Code	Price
90/32	-	
110/63	-	
160/90	82 101 1690 37	142.39
200/110	82 101 2011 37	188.12
280/160	-	
315/200	-	
355/250	-	

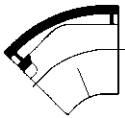
PN3.2 x PN10

Code	Price
-	
82 101 1163 31	100.25
82 101 1690 31	144.13
82 101 2011 31	188.70
82 101 2816 31	421.38
82 101 3120 31	494.89
82 101 3525 31	994.40

PN6 x PN10

Code	Price
82 101 9032 71	79.41
-	
-	
-	
-	
-	
-	

**Bend 45° -
PE x PE**



PN3.2 x PN6

Size Containment/ Carrier	Code	Price
90/32	-	
110/63	-	
160/90	82 102 1690 37	170.17
200/110	82 102 2011 37	222.85
280/160	-	
315/200	-	
355/250	-	

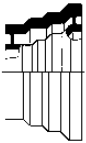
PN3.2 x PN10

Code	Price
-	
82 102 1163 31	120.39
82 102 1690 31	172.48
82 102 2011 31	226.89
82 102 2816 31	494.31
82 102 3120 31	554.51
82 102 3525 31	1192.36

PN6 x PN10

Code	Price
82 102 9032 71	95.16
-	
-	
-	
-	
-	
-	

**Concentric
Reducer -
PE x PE**



PN3.2 x PN6

Size Containment/ Carrier	Code	Price
110/63x90/32	-	
160/90x90/32	-	
160/90x110/63	82 107 9063 37	149.33
200/110x110/63	-	
200/110x160/90	82 107 1190 37	260.46
280/160x160/90	-	
280/160x200/110	-	
315/200x200/110	-	
315/200x280/160	-	
355/250x280/160	-	
355/250x315/200	-	

PN3.2 x PN10

Code	Price
-	
82 107 9032 31	192.75
82 107 9063 31	149.92
82 107 1163 31	320.66
82 107 1190 31	261.63
82 107 1690 31	501.25
82 107 1611 31	501.25
82 107 2011 31	648.27
82 107 2016 31	648.27
82 107 2516 31	1383.36
82 107 2520 31	1218.98

PN6 x PN10

Code	Price
82 107 6332 71	88.90
-	
-	
-	
-	
-	
-	
-	
-	
-	

**Cap -
PE x PE**



PN3.2 x PN6

Size Containment/ Carrier	Code	Price
90/32	-	
110/63	-	
160/90	82 154 1690 37	127.34
200/110	82 154 2011 37	156.86
280/160	-	
315/200	-	
355/250	-	

PN3.2 x PN10

Code	Price
-	
82 154 1163 31	92.03
82 154 1690 31	127.34
82 154 2011 31	156.86
82 154 2816 31	210.69
82 154 3120 31	262.21
82 154 3525 31	298.67

PN6 x PN10

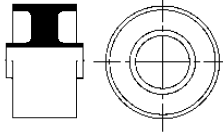
Code	Price
82 154 9032 71	84.04
-	
-	
-	
-	
-	
-	



Fixed Point Fitting - PE x PE

(Dog Bone Type 1)

Isolates Containment



PN3.2 x PN6

Size Containment/Carrier	Code	Price
90/32	-	
110/63	-	
160/90	82 137 1690 37	133.71
200/110	82 137 2011 37	164.39
280/160	-	
315/200	-	
355/250	-	

PN3.2 x PN10

Code	Price
-	
82 137 1163 31	97.24
82 137 1690 31	133.71
82 137 2011 31	164.39
82 137 2816 31	221.11
82 137 3120 31	275.52
82 137 3525 31	313.72

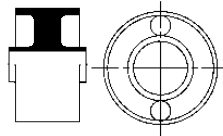
PN6 x PN10

Code	Price
82 137 9032 71	88.67
-	
-	
-	
-	
-	
-	

Fixed Point Fitting - PE x PE

(Dog Bone Type 1)

Continues Containment



PN3.2 x PN6

Size Containment/Carrier	Code	Price
90/32	-	
110/63	-	
160/90	82 147 1690 37	153.39
200/110	82 147 2011 37	189.27
280/160	-	
315/200	-	
355/250	-	

PN3.2 x PN10

Code	Price
-	
82 147 1163 31	121.55
82 147 1690 31	153.39
82 147 2011 31	189.27
82 147 2816 31	254.68
82 147 3120 31	317.19
82 147 3525 31	360.60

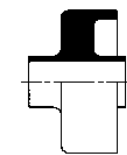
PN6 x PN10

Code	Price
82 147 9032 71	110.90
-	
-	
-	
-	
-	
-	

Fixed Point Fitting - PE x PE

(Dog Bone Type 1-A)

Terminates Containment



PN3.2 x PN6

Size Containment/Carrier	Code	Price
90/32	-	
110/63	-	
160/90	82 136 1690 37	133.71
200/110	82 136 2011 37	164.39
280/160	-	
315/200	-	
355/250	-	

PN3.2 x PN10

Code	Price
-	
82 136 1163 31	97.24
82 136 1690 31	133.71
82 136 2011 31	164.39
82 136 2816 31	221.11
82 136 3120 31	275.52
82 136 3525 31	313.72

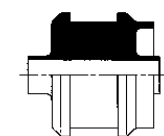
PN6 x PN10

Code	Price
82 136 9032 71	88.67
-	
-	
-	
-	
-	
-	

Fixed Point Fitting - PE x PE

(Dog Bone Type 2-A)

Terminates Containment



PN3.2 x PN6

Size Containment/Carrier	Code	Price
90/32	-	
110/63	-	
160/90	82 138 1690 37	188.70
200/110	82 138 2011 37	283.05
280/160	-	
315/200	-	
355/250	-	

PN3.2 x PN10

Code	Price
-	
82 138 1163 31	123.87
82 138 1690 31	188.70
82 138 2011 31	283.05
82 138 2816 31	384.92
82 138 3120 31	392.44
82 138 3525 31	454.38

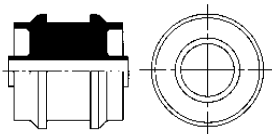
PN6 x PN10

Code	Price
82 138 9032 71	107.19
-	
-	
-	
-	
-	
-	

Fixed Point Fitting - PE x PE

(Dog Bone Type 2)

Isolates Containment



PN3.2 x PN6

Size Containment/Carrier	Code	Price
90/32	-	
110/63	-	
160/90	82 139 1690 37	188.70
200/110	82 139 2011 37	283.05
280/160	-	
315/200	-	
355/250	-	

PN3.2 x PN10

Code	Price
-	
82 139 1163 31	123.87
82 139 1690 31	188.70
82 139 2011 31	283.05
82 139 2816 31	384.92
82 139 3120 31	392.44
82 139 3525 31	454.38

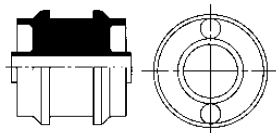
PN6 x PN10

Code	Price
82 139 9032 71	107.19
-	
-	
-	
-	
-	
-	

Fixed Point Fitting - PE x PE

(Dog Bone Type 2)

Continues Containment



PN3.2 x PN6

Size Containment/Carrier	Code	Price
90/32	-	
110/63	-	
160/90	82 149 1690 37	216.48
200/110	82 149 2011 37	325.88
280/160	-	
315/200	-	
355/250	-	

PN3.2 x PN10

Code	Price
-	
82 149 1163 31	155.13
82 149 1690 31	216.48
82 149 2011 31	325.88
82 149 2816 31	442.80
82 149 3120 31	450.90
82 149 3525 31	522.09

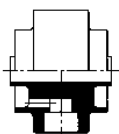
PN6 x PN10

Code	Price
82 149 9032 71	134.28
-	
-	
-	
-	
-	
-	

Fixed Point Fitting - PE x PE

(Leak Detection Connection)

Isolates Containment



PN3.2 x PN6

Size Containment/Carrier	Code	Price
90/32	-	
110/63	-	
160/90	82 140 1690 37	226.32
200/110	82 140 2011 37	258.73
280/160	-	
315/200	-	
355/250	-	

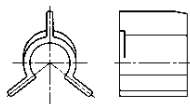
PN3.2 x PN10

Code	Price
-	
82 140 1163 31	192.17
82 140 1690 31	226.32
82 140 2011 31	258.73
82 140 2816 31	319.50
82 140 3120 31	362.92
82 140 3525 31	412.70

PN6 x PN10

Code	Price
82 140 9032 71	178.86
-	
-	
-	
-	
-	
-	

Spider Clip - PE



PN3.2 x PN6

Size Containment/Carrier	Code	Price
90/32	-	
110/63	82 099 1163 33	5.61
160/90	82 099 1690 33	7.41
200/110	82 099 2011 33	8.16
280/160	82 099 2816 33	13.31
315/200	82 099 3120 33	15.05
355/250	82 099 3525 33	15.74

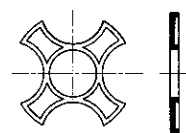
PN3.2 x PN10

Code	Price
-	
82 099 1163 33	5.61
82 099 1690 33	7.41
82 099 2011 33	8.16
82 099 2816 33	13.31
82 099 3120 33	15.05
82 099 3525 33	15.74

PN6 x PN10

Code	Price
-	
-	
-	
-	
-	
-	
-	

Support Disc - PE



PN3.2 x PN6

Size Containment/Carrier	Code	Price
90/32	-	
110/63	82 098 1163 33	5.61
160/90	82 098 1690 33	7.41
200/110	82 098 2011 33	8.16
280/160	82 098 2816 33	13.31
315/200	82 098 3120 33	15.05
355/250	82 098 3525 33	15.74

PN3.2 x PN10

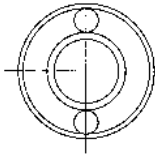
Code	Price
-	
82 098 1163 33	5.61
82 098 1690 33	7.41
82 098 2011 33	8.16
82 098 2816 33	13.31
82 098 3120 33	15.05
82 098 3525 33	15.74

PN6 x PN10

Code	Price
82 098 9032 17	4.58
-	
-	
-	
-	
-	
-	

Pipe - PE x PP

5m Lengths



PN6 x PN10

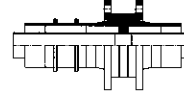
Size Containment/Carrier	Code	Price/M
90/32	83 795 9032 71	27.78
125/63	83 795 1263 71	47.92
160/90	83 795 1690 71	73.40
200/110	83 795 2011 71	102.80
280/160	83 795 2816 71	199.11

Polypropylene carrier pipe

Fixed Point Fitting - PE x PP

(Dog Bone Type 3)

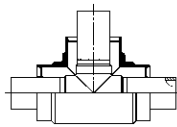
Isolates Containment



PN6 x PN10

Size Containment/Carrier	Code	Price
90/32	83 239 9032 71	207.22
125/63	83 239 1263 71	318.93
160/90	83 239 1690 71	494.89
200/110	83 239 2011 71	604.29
280/160	83 239 2816 71	892.53

Tee 90° - PE x PP



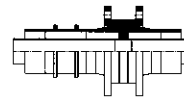
PN6 x PN10

Size Containment/Carrier	Code	Price
90/32	83 206 9032 71	79.41
125/63	83 206 1263 71	120.39
160/90	83 206 1690 71	178.28
200/110	83 206 2011 71	271.47
280/160	83 206 2816 71	604.29

Fixed Point Fitting - PE x PP

(Dog Bone Type 3)

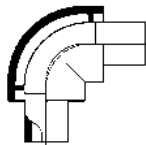
Continues Containment



PN6 x PN10

Size Containment/Carrier	Code	Price
90/32	83 249 9032 71	263.36
125/63	83 249 1263 71	376.81
160/90	83 249 1690 71	560.29
200/110	83 249 2011 71	672.58
280/160	83 249 2816 71	957.88

Bend 90° - PE x PP



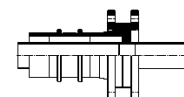
PN6 x PN10

Size Containment/Carrier	PN3.2 x PN6 Code	Price
90/32	83 201 9032 71	46.77
125/63	83 201 1263 71	68.30
160/90	83 201 1690 71	122.14
200/110	83 201 2011 71	174.23
280/160	83 201 2816 71	419.07

Fixed Point Fitting - PE x PP

(Dog Bone Type 3-A)

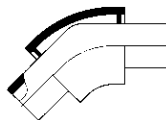
Terminates Containment



PN6 x PN10

Size Containment/Carrier	Code	Price
90/32	83 238 9032 71	199.11
125/63	83 238 1263 71	306.20
160/90	83 238 1690 71	475.79
200/110	83 238 2011 71	571.87
280/160	83 238 2816 71	832.34

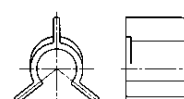
Bend 45° - PE x PP



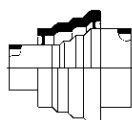
PN6 x PN10

Size Containment/Carrier	Code	Price
90/32	83 202 9032 71	50.94
125/63	83 202 1263 71	83.71
160/90	83 202 1690 71	131.97
200/110	83 202 2011 71	208.37
280/160	83 202 2816 71	560.29

Spider Clip - PE



Concentric Reducer - PE x PP



PN6 x PN10

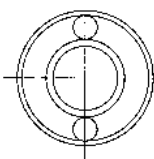
Size Containment/Carrier	Code	Price
125/63x90/32	83 207 6332 71	67.73
160/90x90/32	83 207 9032 71	99.21
160/90x125/63	83 207 9063 71	123.87
200/110x125/63	83 207 1163 71	197.38
200/110x160/90	83 207 1190 71	255.83
280/160x160/90	83 207 1690 71	149.33
280/160x200/110	83 207 1611 71	150.50

PN6 x PN10

Size Containment/Carrier	Code	Price
90/32	82 099 9032 71	4.58
125/63	82 099 1263 71	6.66
160/90	82 099 1690 71	7.41
200/110	82 099 2011 71	8.16
280/160	82 099 2816 71	13.31

**Pipe -
PE x PVDF**

5m Lengths



PN6 x PN16

Size Containment/Carrier	Code	Price/M
90/32	84 795 9032 72	67.61
125/63	84 795 1263 72	147.60

PN6 x PN10

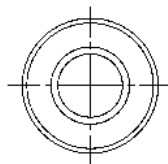
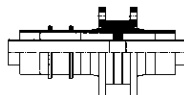
160/90	84 795 1690 73	197.38
200/110	84 795 2011 73	287.09
280/160	84 795 2816 73	576.50

PVDF carrier pipe

**Fixed Point Fitting -
PE x PVDF**

(Dog Bone Type 3)

Isolates Containment



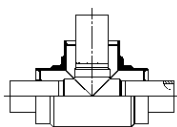
PN6 x PN16

Size Containment/Carrier	Code	Price
90/32	84 239 9032 72	388.38
125/63	84 239 1263 72	516.31

PN6 x PN10

160/90	84 239 1690 73	791.82
200/110	84 239 2011 73	938.84
280/160	84 239 2816 73	1771.17

**Tee 90° -
PE x PVDF**



PN6 x PN16

Size Containment/Carrier	Code	Price
90/32	84 206 9032 72	123.87
125/63	84 206 1263 72	281.31

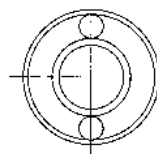
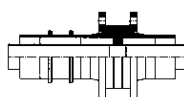
PN6 x PN10

160/90	84 206 1690 73	577.66
200/110	84 206 2011 73	726.99
280/160	84 206 2816 73	1841.78

**Fixed Point Fitting -
PE x PVDF**

(Dog Bone Type 3)

Continues Containment



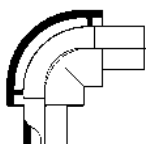
PN6 x PN16

Size Containment/Carrier	Code	Price
90/32	84 249 9032 72	444.53
125/63	84 249 1263 72	574.77

PN6 x PN10

160/90	84 249 1690 73	858.96
200/110	84 249 2011 73	1005.97
280/160	84 249 2816 73	1854.52

**Bend 90° -
PE x PVDF**



PN6 x PN16

Size Containment/Carrier	Code	Price
90/32	84 201 9032 72	91.92
125/63	84 201 1263 72	233.85

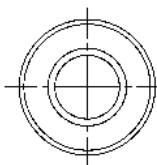
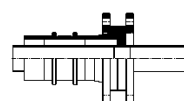
PN6 x PN10

160/90	84 201 1690 73	449.16
200/110	84 201 2011 73	667.95
280/160	84 201 2816 73	1757.28

**Fixed Point Fitting -
PE x PVDF**

(Dog Bone Type 3-A)

Terminates Containment



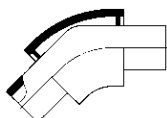
PN6 x PN16

Size Containment/Carrier	Code	Price
90/32	84 238 9032 72	376.81
125/63	84 238 1263 72	494.31

PN6 x PN10

160/90	84 238 1690 73	759.40
200/110	84 238 2011 73	886.75
280/160	84 238 2816 73	1672.77

**Bend 45° -
PE x PVDF**



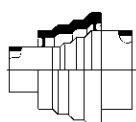
PN6 x PN16

Size Containment/Carrier	Code	Price
90/32	84 202 9032 72	92.26
125/63	84 202 1263 72	224.01

PN6 x PN10

160/90	84 202 1690 73	452.06
200/110	84 202 2011 73	664.48
280/160	84 202 2816 73	1915.87

**Concentric Reducer -
PE x PVDF**



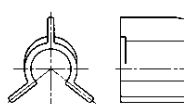
PN6 x PN16

Size Containment/Carrier	Code	Price/M
125/63x90/32	84 207 6332 72	132.55
160/90x90/32	84 207 9032 72	253.52
160/90x125/63	84 207 9063 72	291.72

PN6 x PN10

200/110x125/63	84 207 1163 73	449.16
200/110x160/90	84 207 1190 73	538.29
280/160x160/90	84 207 1690 73	718.88
280/160x200/110	84 207 1611 73	930.73

**Spider Clip -
PP**

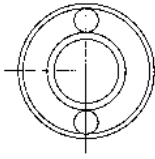


PN6 x PN16/PN10

Size Containment/Carrier	Code	Price
90/32	80 099 9032 17	4.58
125/63	80 099 1263 17	6.66
160/90	80 099 1690 17	7.41
200/110	80 099 2011 17	8.16
280/160	80 099 2816 17	13.31

**Pipe -
PP x PVDF**

5m Lengths



PN6 x PN16

Size Containment/ Carrier	Code	Price/M
90/32	81 795 9032 72	67.61
125/63	81 795 1263 72	147.60

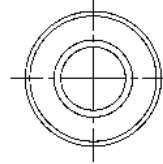
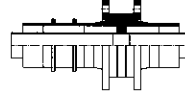
PN6 x PN10

160/90	81 795 1690 73	197.38
200/110	81 795 2011 73	287.09
280/160	81 795 2816 73	576.50

PVDF carrier pipe

**Fixed Point
Fitting -
PP x PVDF**

(Dog Bone Type 3)
Isolates Containment



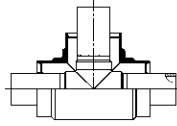
PN6 x PN16

Size Containment/ Carrier	Code	Price
90/32	81 239 9032 72	388.38
125/63	81 239 1263 72	516.31

PN6 x PN10

160/90	81 239 1690 73	791.82
200/110	81 239 2011 73	938.84
280/160	81 239 2816 73	1771.17

**Tee 90° -
PP x PVDF**



PN6 x PN16

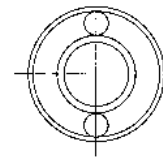
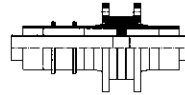
Size Containment/ Carrier	Code	Price
90/32	81 206 9032 72	124.45
125/63	81 206 1263 72	283.05

PN6 x PN10

160/90	81 206 1690 73	579.97
200/110	81 206 2011 73	731.62
280/160	81 206 2816 73	1854.52

**Fixed Point
Fitting -
PP x PVDF**

(Dog Bone Type 3)
Continues Containment



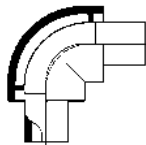
PN6 x PN16

Size Containment/ Carrier	Code	Price
90/32	81 249 9032 72	444.53
125/63	81 249 1263 72	574.77

PN6 x PN10

160/90	81 249 1690 73	858.96
200/110	81 249 2011 73	1005.97
280/160	81 249 2816 73	1854.52

**Bend 90° -
PP x PVDF**



PN6 x PN16

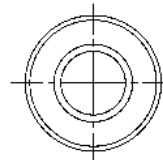
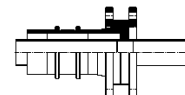
Size Containment/ Carrier	Code	Price
90/32	81 201 9032 72	92.15
125/63	81 201 1263 72	234.42

PN6 x PN10

160/90	81 201 1690 73	450.90
200/110	81 201 2011 73	670.27
280/160	81 201 2816 73	1764.22

**Fixed Point
Fitting -
PP x PVDF**

(Dog Bone Type 3-A)
Terminates Containment



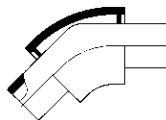
PN6 x PN16

Size Containment/ Carrier	Code	Price
90/32	81 238 9032 72	376.81
125/63	81 238 1263 72	494.31

PN6 x PN10

160/90	81 238 1690 73	759.40
200/110	81 238 2011 73	886.75
280/160	81 238 2816 73	1672.77

**Bend 45° -
PP x PVDF**



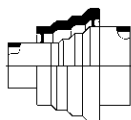
PN6 x PN16

Size Containment/ Carrier	Code	Price
90/32	81 202 9032 72	80.46
125/63	81 202 1263 72	212.43

PN6 x PN10

160/90	81 202 1690 73	439.90
200/110	81 202 2011 73	645.96
280/160	81 202 2816 73	1892.72

**Concentric
Reducer -
PP x PVDF**



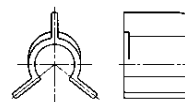
PN6 x PN16

Size Containment/ Carrier	Code	Price
125/63x90/32	81 207 6332 72	133.13
160/90x90/32	81 207 9032 72	254.68
160/90x125/63	81 207 9063 72	292.88

PN6 x PN10

200/110x125/63	81 207 1163 73	450.31
200/110x160/90	81 207 1190 73	541.19
280/160x160/90	81 207 1690 73	722.36
280/160x200/110	81 207 1611 73	934.21

**Spider Clip -
PP**

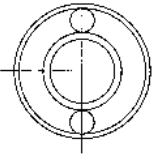


PN6 x PN16/PN10

Size Containment/ Carrier	Code	Price
90/32	80 099 9032 17	4.58
125/63	80 099 1263 17	6.66
160/90	80 099 1690 17	7.41
200/110	80 099 2011 17	8.16
280/160	80 099 2816 17	13.31

Pipe - PVDF x PVDF

5m Lengths

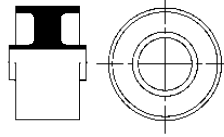


PN10 x PN16

Size Containment/Carrier	Code	Price/M
90/32	85 795 9032 32	on application
110/63	85 795 1263 32	on application
160/90	85 795 1690 32	on application
200/110	85 795 2011 32	on application
250/160	85 795 2516 32	on application

Fixed Point Fitting - PVDF x PVDF
(Dog Bone Type 3)

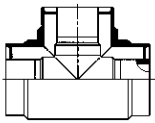
Isolates Containment



PN10 x PN16

Size Containment/Carrier	Code	Price
90/32	85 239 9032 32	on application
110/63	85 239 1263 32	on application
160/90	85 239 1690 32	on application
200/110	85 239 2011 32	on application
250/160	85 239 2516 32	on application

Tee 90° - PVDF x PVDF

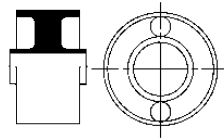


PN10 x PN16

Size Containment/Carrier	Code	Price
90/32	85 206 9032 32	on application
110/63	85 206 1263 32	on application
160/90	85 206 1690 32	on application
200/110	85 206 2011 32	on application
250/160	85 206 2516 32	on application

Fixed Point Fitting - PVDF x PVDF
(Dog Bone Type 3)

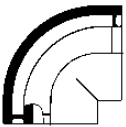
Continues Containment



PN10 x PN16

Size Containment/Carrier	Code	Price
90/32	85 249 9032 32	on application
110/63	85 249 1263 32	on application
160/90	85 249 1690 32	on application
200/110	85 249 2011 32	on application
250/160	85 249 2516 32	on application

Bend 90° - PVDF x PVDF

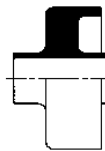


PN10 x PN16

Size Containment/Carrier	Code	Price
90/32	85 201 9032 32	on application
110/63	85 201 1263 32	on application
160/90	85 201 1690 32	on application
200/110	85 201 2011 32	on application
250/160	85 201 2516 32	on application

Fixed Point Fitting - PVDF x PVDF
(Dog Bone Type 3-A)

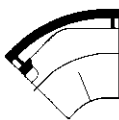
Terminates Containment



PN10 x PN16

Size Containment/Carrier	Code	Price
90/32	85 238 9032 32	on application
110/63	85 238 1263 32	on application
160/90	85 238 1690 32	on application
200/110	85 238 2011 32	on application
250/160	85 238 2516 32	on application

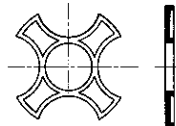
Bend 45° - PVDF x PVDF



PN10 x PN16

Size Containment/Carrier	Code	Price
90/32	85 202 9032 32	on application
110/63	85 202 1263 32	on application
160/90	85 202 1690 32	on application
200/110	85 202 2011 32	on application
250/160	85 202 2516 32	on application

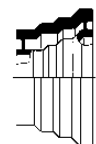
Support Disc - PVDF



PN10 x PN16

Size Containment/Carrier	Code	Price
90/32	85 099 9032 32	on application
110/63	85 099 1263 32	on application
160/90	85 099 1690 32	on application
200/110	85 099 2011 32	on application
250/160	85 099 2516 32	on application

Concentric Reducer - PVDF x PVDF



PN10 x PN16

Size Containment/Carrier	Code	Price
110/63x90/32	85 207 6332 32	on application
160/90x90/32	85 207 9032 32	on application
200/110x110/63	85 207 1163 32	on application
200/110x160/90	85 207 1190 32	on application
250/160x160/90	85 207 1690 32	on application
250/160x200/110	85 207 1611 32	on application

