

poly-flo



## 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	PE
Pipe Size	Carrier Pipe Size	PP	PE
	2"	1"	●
3"	2"	●	●
6"	4"	●	●

- Polypropylene is suitable for use at temperatures up to 100°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



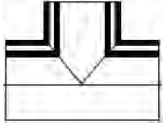
## Double Containment Pipe - Black PP

6 Metre Lengths

Size	Code	Price/m
2"x1"	4201249	39.68
3"x2"	4201338	50.24
6"x4"	4201532	117.98

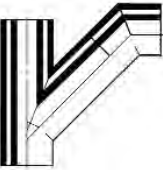


## Tee 90°



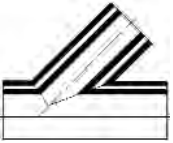
Size	Code	Price
2"x1"	4211249	22.59
3"x2"	4211338	53.26
6"x4"	4211532	809.20

## Swept Tee 90°



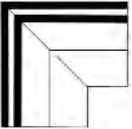
Size	Code	Price
2"x1"	-	
3"x2"	4250338	228.72
6"x4"	4250532	517.51

## Tee 45°



Size	Code	Price
2"x1"	-	
3"x2"	4251338	104.80
6"x4"	4251532	300.37

## Elbow 90°



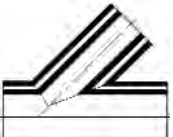
Size	Code	Price
2"x1"	4204249	17.94
3"x2"	4204338	42.12
6"x4"	-	

## Bend 90°



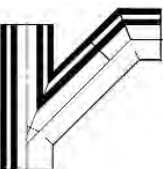
Size	Code	Price
2"x1"	4205249	114.36
3"x2"	4205338	188.20
6"x4"	4205532	373.47

## Reducing Tee 45°



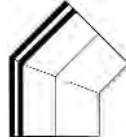
Size	Code	Price
3"/2"x2"/1"	4291338	236.66
6"/4"x3"/2"	4291532	543.56

## Reducing Swept Tee 90°



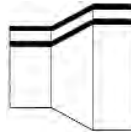
Size	Code	Price
3"/2"x2"/1"	4290338	313.41
6"/4"x3"/2"	4290532	651.42

## Elbow 45°



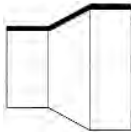
Size	Code	Price
2"x1"	4208249	26.34
3"x2"	4208338	63.40
6"x4"	4208532	156.34

## Concentric Reducer



Size	Code	Price
3"/2"x2"/1"	4235338	104.80
6"/4"x3"/2"	4235532	259.84

## Outer Wall Reducer



Size	Code	Price
3"x2"	4234338	42.84
6"x4"	4234532	85.99

## Test Cap

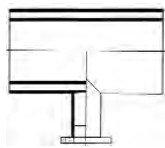


Size	Code	Price
2"x1"	4221249	26.34
3"x2"	4221338	63.40
6"x4"	4221532	156.34

## Machine Hire

Don't have the tools?  
We have a dedicated fleet of welding equipment available to hire on a weekly basis.





## Outer Wall Outlet

Branch Flanged 1" ASA 150

Size	Code	Price
2"x1"	4292249	259.11
3"x2"	4292338	288.79
6"x4"	4292532	353.20



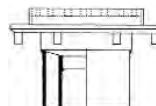
## Float Switch Adaptor

Size	Code	Price
1"	4253249	75.85



## Outer Wall Adaptor

Size	Code	Price
2"x1"	4252249	30.55
3"x2"	4252338	73.69
6"x4"	4252532	183.12



## Floor Drain

Adjustable

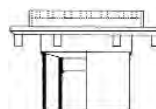
Size	Code	Price
3"x2"	4260338	1186.99
6"x4"	4260532	1276.75



## Female Adaptor

BSP or NPT Female Thread

Size	Code	Price
2"x1"	4230249	26.78
3"x2"	4230338	64.71
6"x4"	4230532	160.69



## Floor Drain

Non-Adjustable

Size	Code	Price
3"x2"	4262338	642.72
6"x4"	4262532	1059.62



## Socket Fusion Adaptor

Inch Size Socket

Size	Code	Price
2"x1"	4229249	51.24
3"x2"	4229338	94.53
6"x4"	4229532	203.40



## P-Trap

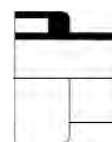
Size	Code	Price
2"x1"	4264249	273.59
3"x2"	4264338	420.51
6"x4"	4264532	793.27



## Socket Fusion Adaptor

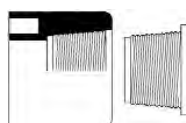
Metric Size Socket

Size	Code	Price
2"x1"	4279249	30.55
3"x2"	4279338	73.69
6"x4"	4279532	183.12



## Spigot Adaptor

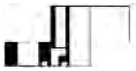
Size	Code	Price
2"x1"	4278249	114.21
3"x2"	4278338	156.34
6"x4"	4278532	183.12



## Clean Out (with plug)

Size	Code	Price
2"x1"	4232249	60.95
3"x2"	4232338	114.21
6"x4"	4232532	297.49

**O-Ring Flange  
ASA 150**



Size	Code	Price
2"x1"	4245249	77.01
3"x2"	4245338	91.77
6"x4"	4245532	227.26

**Termination Flange  
ASA 150**



Size	Code	Price
2"x1"	4243249	42.84
3"x2"	4243338	104.80
6"x4"	4243532	393.02

**Flange ASA 150**



Size	Code	Price
2"x1"	4246249	77.01
3"x2"	4246338	91.77
6"x4"	4246532	227.26

**Outer Wall O-Ring  
Flange ASA 150**



Size	Code	Price
2"x1"	4241249	84.39
3"x2"	4241338	208.46
6"x4"	4241532	517.51

**Blind Flange ASA 150**



Size	Code	Price
2"x1"	4242249	118.71
3"x2"	4242338	156.34
6"x4"	4242532	422.69

**Outer Wall Flange  
ASA 150**



Size	Code	Price
2"x1"	4244249	84.39
3"x2"	4244338	208.46
6"x4"	4244532	517.51

**Isolation Flange  
ASA 150**



Size	Code	Price
2"x1"	4240249	119.13
3"x2"	4240338	156.34
6"x4"	4240532	422.69

**Flange O-Ring Kit**

FPM

Size	Code	Price
2"x1"	4288249	17.36
3"x2"	4288338	54.58
6"x4"	4288532	123.49

**Flange O-Ring Kit**

EPDM

Size	Code	Price
2"x1"	4488249	7.10
3"x2"	4488338	42.27
6"x4"	4488532	45.31

**Outer Wall Flange  
O-Ring**

FPM

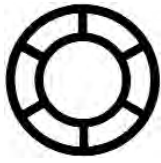
Size	Code	Price
2"x1"	4287249	12.16
3"x2"	4287338	30.55
6"x4"	4287532	63.99

**Outer Wall Flange  
O-Ring**

EPDM

Size	Code	Price
2"x1"	4487249	4.86
3"x2"	4487338	20.84
6"x4"	4487532	28.67

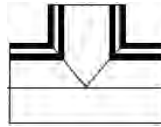




## Double Containment Pipe - Black PE

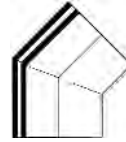
6 Metre Lengths

Size	Code	Price/m
2"x1"	4401249	68.20
3"x2"	4401338	74.84
6"x4"	4401532	170.83



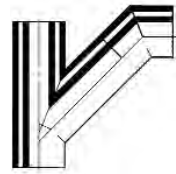
## Tee 90°

Size	Code	Price/m
2"x1"	4411249	19.69
3"x2"	4411338	46.77
6"x4"	4411532	883.03



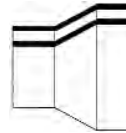
## Elbow 45°

Size	Code	Price/m
2"x1"	4408249	23.04
3"x2"	4408338	55.45
6"x4"	4408532	136.96



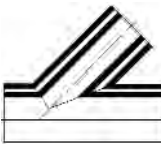
## Swept Tee 90°

Size	Code	Price/m
2"x1"	-	-
3"x2"	4450338	403.14
6"x4"	4450532	513.16



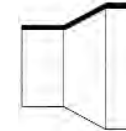
## Concentric Reducer

Size	Code	Price/m
3"/2"x2"/1"	4435338	91.77
6"/4"x3"/2"	4435532	227.26



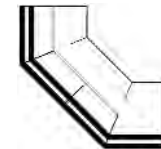
## Tee 45°

Size	Code	Price/m
2"x1"	-	-
3"x2"	4451338	348.15
6"x4"	4451532	377.10



## Outer Wall Reducer

Size	Code	Price/m
3"x2"	4434338	37.50
6"x4"	4434532	75.44



## Bend 90°

Size	Code	Price/m
2"x1"	4405249	100.03
3"x2"	4405338	164.31
6"x4"	4405532	508.10



## Test Cap

Size	Code	Price/m
2"x1"	4421249	23.04
3"x2"	4421338	55.45
6"x4"	4421532	136.96



## Reducing Tee 45°

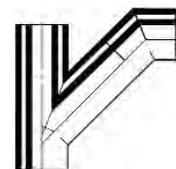
Size	Code	Price/m
3"/2"x2"/1"	4491338	439.33
6"/4"x3"/2"	4491532	603.63



## Socket Fusion Adaptor

Inch Size Socket

Size	Code	Price/m
2"x1"	4429249	44.73
3"x2"	4429338	82.68
6"x4"	4429532	178.05



## Reducing Swept Tee 90°

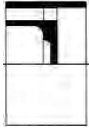
Size	Code	Price/m
3"/2"x2"/1"	4490338	462.49
6"/4"x3"/2"	4490532	657.92



## Socket Fusion Adaptor

Metric Size Socket

Size	Code	Price/m
2"x1"	4479249	26.78
3"x2"	4479338	64.71
6"x4"	4479532	160.69



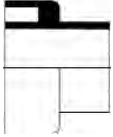
## Outer Wall Adaptor

Size	Code	Price/m
2"x1"	4452249	26.78
3"x2"	4452338	64.71
6"x4"	4452532	160.69



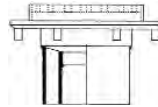
## Float Switch Adaptor

Size	Code	Price/m
1"	4453249	66.29



## Spigot Adaptor

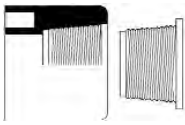
Size	Code	Price/m
2"x1"	4478249	99.86
3"x2"	4478338	136.96
6"x4"	4478532	160.69



## Floor Drain

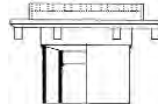
Adjustable

Size	Code	Price/m
3"x2"	4460338	1039.36
6"x4"	4460532	1117.51



## Clean Out (with plug)

Size	Code	Price/m
2"x1"	4432249	53.55
3"x2"	4432338	99.86
6"x4"	4432532	259.84



## Floor Drain

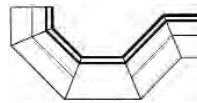
Non-Adjustable

Size	Code	Price/m
3"x2"	4462338	562.39
6"x4"	4462532	927.88



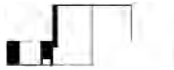
## Termination Flange ASA 150

Size	Code	Price
2"x1"	4443249	37.50
3"x2"	4443338	91.77
6"x4"	4443532	343.80



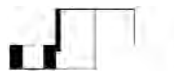
## P-Trap

Size	Code	Price/m
2"x1"	4464249	239.57
3"x2"	4464338	368.41
6"x4"	4464532	693.39



## Outer Wall O-Ring Flange ASA 150

Size	Code	Price
2"x1"	4441249	73.83
3"x2"	4441338	182.40
6"x4"	4441532	453.08



## Outer Wall Flange ASA 150

Size	Code	Price
2"x1"	4444249	73.83
3"x2"	4444338	182.40
6"x4"	4444532	453.08



## Outer Wall Flange O-Ring

FPM

Size	Code	Price
2"x1"	4287249	12.16
3"x2"	4287338	30.55
6"x4"	4287532	63.99

## Outer Wall Flange O-Ring

EPDM

Size	Code	Price
2"x1"	4487249	4.86
3"x2"	4487338	20.84
6"x4"	4487532	28.67

