

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



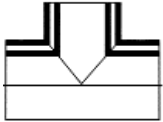
Double Containment Pipe - Black PP

6 Metre Lengths

Size	Code	Price/m
2"x1"	4201249	37.08
3"x2"	4201338	46.95
6"x4"	4201532	110.26

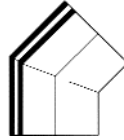


Tee 90°



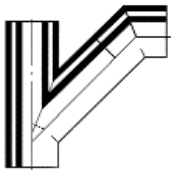
Size	Code	Price
2"x1"	4211249	21.11
3"x2"	4211338	49.78
6"x4"	4211532	756.26

Elbow 45°



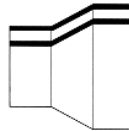
Size	Code	Price
2"x1"	4208249	24.62
3"x2"	4208338	59.25
6"x4"	4208532	146.11

Swept Tee 90°



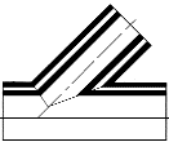
Size	Code	Price
2"x1"	-	
3"x2"	4250338	213.76
6"x4"	4250532	483.65

Concentric Reducer



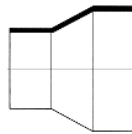
Size	Code	Price
3"/2"x2"/1"	4235338	97.94
6"/4"x3"/2"	4235532	242.84

Tee 45°



Size	Code	Price
2"x1"	-	
3"x2"	4251338	97.94
6"x4"	4251532	280.72

Outer Wall Reducer



Size	Code	Price
3"x2"	4234338	40.04
6"x4"	4234532	80.36

Elbow 90°



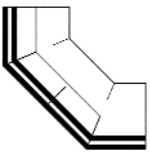
Size	Code	Price
2"x1"	4204249	16.77
3"x2"	4204338	39.36
6"x4"	-	

Test Cap



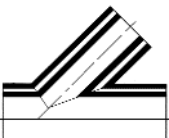
Size	Code	Price
2"x1"	4221249	24.62
3"x2"	4221338	59.25
6"x4"	4221532	146.11

Bend 90°



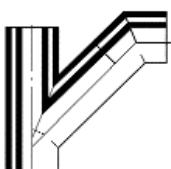
Size	Code	Price
2"x1"	4205249	106.88
3"x2"	4205338	175.89
6"x4"	4205532	349.04

Reducing Tee 45°



Size	Code	Price
3"/2"x2"/1"	4291338	221.18
6"/4"x3"/2"	4291532	508.00

Reducing Swept Tee 90°

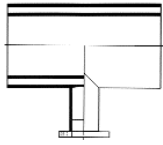


Size	Code	Price
3"/2"x2"/1"	4290338	292.91
6"/4"x3"/2"	4290532	608.80

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

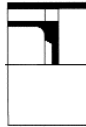
Branch Flanged 1" ASA 150

Size	Code	Price
2"x1"	4292249	242.16
3"x2"	4292338	269.90
6"x4"	4292532	330.09



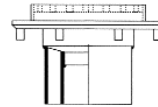
Float Switch Adaptor

Size	Code	Price
1"	4253249	70.89



Outer Wall Adaptor

Size	Code	Price
2"x1"	4252249	28.55
3"x2"	4252338	68.87
6"x4"	4252532	171.14



Floor Drain

Adjustable

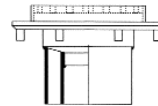
Size	Code	Price
3"x2"	4260338	1109.34
6"x4"	4260532	1193.22



Female Adaptor

BSP or NPT Female Thread

Size	Code	Price
2"x1"	4230249	25.03
3"x2"	4230338	60.48
6"x4"	4230532	150.18



Floor Drain

Non-Adjustable

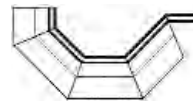
Size	Code	Price
3"x2"	4262338	600.67
6"x4"	4262532	990.30



Socket Fusion Adaptor

Inch Size Socket

Size	Code	Price
2"x1"	4229249	47.89
3"x2"	4229338	88.35
6"x4"	4229532	190.09



P-Trap

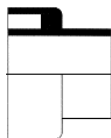
Size	Code	Price
2"x1"	4264249	255.69
3"x2"	4264338	393.00
6"x4"	4264532	741.37



Socket Fusion Adaptor

Metric Size Socket

Size	Code	Price
2"x1"	4279249	28.55
3"x2"	4279338	68.87
6"x4"	4279532	171.14



Spigot Adaptor

Size	Code	Price
2"x1"	4278249	106.74
3"x2"	4278338	146.11
6"x4"	4278532	171.14



Clean Out (with plug)

Size	Code	Price
2"x1"	4232249	56.96
3"x2"	4232338	106.74
6"x4"	4232532	278.03

**O-Ring Flange
ASA 150**



Size	Code	Price
2"x1"	4245249	71.97
3"x2"	4245338	85.77
6"x4"	4245532	212.39

**Termination Flange
ASA 150**



Size	Code	Price
2"x1"	4243249	40.04
3"x2"	4243338	97.94
6"x4"	4243532	367.31

Flange ASA 150



Size	Code	Price
2"x1"	4246249	71.97
3"x2"	4246338	85.77
6"x4"	4246532	212.39

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



Size	Code	Price
2"x1"	4241249	78.87
3"x2"	4241338	194.82
6"x4"	4241532	483.65

Blind Flange ASA 150



Size	Code	Price
2"x1"	4242249	110.94
3"x2"	4242338	146.11
6"x4"	4242532	395.04

**Outer Wall Flange
ASA 150**



Size	Code	Price
2"x1"	4244249	78.87
3"x2"	4244338	194.82
6"x4"	4244532	483.65

**Isolation Flange
ASA 150**



Size	Code	Price
2"x1"	4240249	111.34
3"x2"	4240338	146.11
6"x4"	4240532	395.04

Flange O-Ring Kit

FPM

Size	Code	Price
2"x1"	4288249	16.22
3"x2"	4288338	51.01
6"x4"	4288532	115.41

Flange O-Ring Kit

EPDM

Size	Code	Price
2"x1"	4488249	6.64
3"x2"	4488338	39.50
6"x4"	4488532	42.35

**Outer Wall Flange
O-Ring**

FPM

Size	Code	Price
2"x1"	4287249	11.36
3"x2"	4287338	28.55
6"x4"	4287532	59.80

**Outer Wall Flange
O-Ring**

EPDM

Size	Code	Price
2"x1"	4487249	4.54
3"x2"	4487338	19.48
6"x4"	4487532	26.79

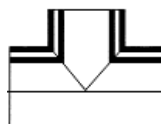




Double Containment Pipe - Black PE

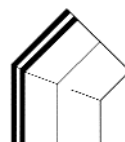
6 Metre Lengths

Size	Code	Price/m
2"x1"	4401249	63.74
3"x2"	4401338	69.94
6"x4"	4401532	159.65



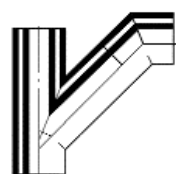
Tee 90°

Size	Code	Price/m
2"x1"	4411249	18.40
3"x2"	4411338	43.71
6"x4"	4411532	825.26



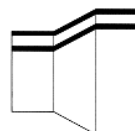
Elbow 45°

Size	Code	Price/m
2"x1"	4408249	21.53
3"x2"	4408338	51.82
6"x4"	4408532	128.00



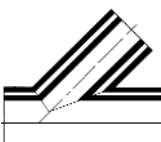
Swept Tee 90°

Size	Code	Price/m
2"x1"	-	-
3"x2"	4450338	376.77
6"x4"	4450532	479.59



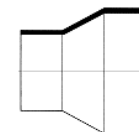
Concentric Reducer

Size	Code	Price/m
3"/2"x2"/1"	4435338	85.77
6"/4"x3"/2"	4435532	212.39



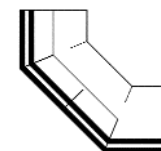
Tee 45°

Size	Code	Price/m
2"x1"	-	-
3"x2"	4451338	325.37
6"x4"	4451532	352.43



Outer Wall Reducer

Size	Code	Price/m
3"x2"	4434338	35.05
6"x4"	4434532	70.50



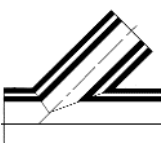
Bend 90°

Size	Code	Price/m
2"x1"	4405249	93.49
3"x2"	4405338	153.56
6"x4"	4405532	474.86



Test Cap

Size	Code	Price/m
2"x1"	4421249	21.53
3"x2"	4421338	51.82
6"x4"	4421532	128.00



Reducing Tee 45°

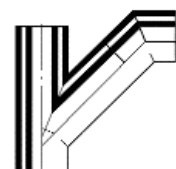
Size	Code	Price/m
3"/2"x2"/1"	4491338	410.59
6"/4"x3"/2"	4491532	564.14



Socket Fusion Adaptor

Inch Size Socket

Size	Code	Price/m
2"x1"	4429249	41.80
3"x2"	4429338	77.27
6"x4"	4429532	166.40



Reducing Swept Tee 90°

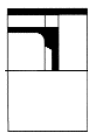
Size	Code	Price/m
3"/2"x2"/1"	4490338	432.23
6"/4"x3"/2"	4490532	614.88



Socket Fusion Adaptor

Metric Size Socket

Size	Code	Price/m
2"x1"	4479249	25.03
3"x2"	4479338	60.48
6"x4"	4479532	150.18



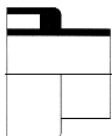
Outer Wall Adaptor

Size	Code	Price/m
2"x1"	4452249	25.03
3"x2"	4452338	60.48
6"x4"	4452532	150.18



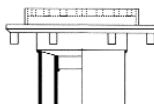
Float Switch Adaptor

Size	Code	Price/m
1"	4453249	61.95



Spigot Adaptor

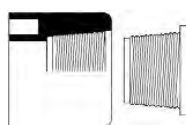
Size	Code	Price/m
2"x1"	4478249	93.33
3"x2"	4478338	128.00
6"x4"	4478532	150.18



Floor Drain

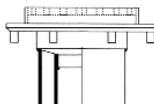
Adjustable

Size	Code	Price/m
3"x2"	4460338	971.36
6"x4"	4460532	1044.40



Clean Out (with plug)

Size	Code	Price/m
2"x1"	4432249	50.05
3"x2"	4432338	93.33
6"x4"	4432532	242.84



Floor Drain

Non-Adjustable

Size	Code	Price/m
3"x2"	4462338	525.60
6"x4"	4462532	867.18



Termination Flange ASA 150

Size	Code	Price
2"x1"	4443249	35.05
3"x2"	4443338	85.77
6"x4"	4443532	321.31



P-Trap

Size	Code	Price/m
2"x1"	4464249	223.90
3"x2"	4464338	344.31
6"x4"	4464532	648.03



Outer Wall O-Ring Flange ASA 150

Size	Code	Price
2"x1"	4441249	69.00
3"x2"	4441338	170.47
6"x4"	4441532	423.44



Outer Wall Flange ASA 150

Size	Code	Price
2"x1"	4444249	69.00
3"x2"	4444338	170.47
6"x4"	4444532	423.44



Outer Wall Flange O-Ring

FPM

Size	Code	Price
2"x1"	4287249	11.36
3"x2"	4287338	28.55
6"x4"	4287532	59.80

Outer Wall Flange O-Ring

EPDM

Size	Code	Price
2"x1"	4487249	4.54
3"x2"	4487338	19.48
6"x4"	4487532	26.79

