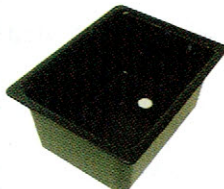
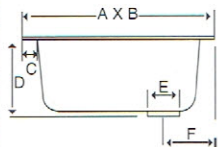

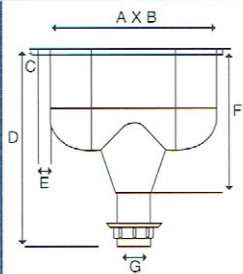

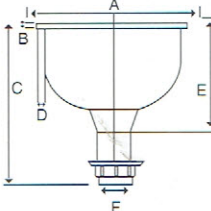

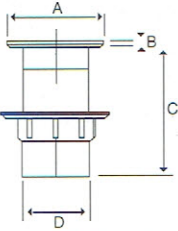




# Mechanical Chemical Resistant Plumbing

	Tech. Drawing	Dimension			Description	Code. No	
		Dim.	418x317	548x398	560x428	Sinks	
		A	418	548	560	548 x 398 x 235mm (Black)	PP001-101
		B	317	398	428	418 x 317 x 160mm (Black)	PP001-102
		C	25	35	30	560 x 428 x 260mm (Black)	PP001-103
		D	160	235	260	560 x 428 x 260mm (Grey)	PP001-303
		E	73	68	73		
		F	133	147	143		

		Dim.	175x102	264x111	Oval Drip Cups 175 x 102mm 264 x 111mm	PP025-001 PP025-002
		A	175	264		
		B	102	111		
		C	6	6		
		D	216	225		
		E	6	13		
		F	143	161		
		G	1 1/2" BSP	1 1/2" BSP		


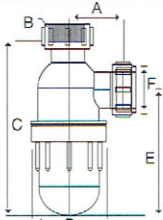
		Dim.	102mm	168mm	Circular Drip Cup 168mm Dia. 102mm Dia.	PP026-001 PP026-002
		A	102	168		
		B	5	8		
		C	136	165		
		D	6	11		
		E	76	114		
		F	1 1/2" BSP	1 1/2" BSP		


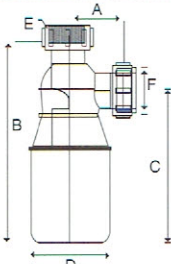
		Dim.	38 x 76mm Dia.	Wastes 38 x 76mm Dia. (Black) 38 x 76mm Dia. (Grey)	PP050-013 PP050-313
		A	73		
		B	3		
		C	104		
		D	1 1/2" BSP		


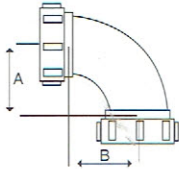
		Dim.	38mm	38mm Flexible Connector 0.6m 1m  (It is ideal for underbench and mobile fumecupboard use.)	PP080-001 PP080-002
		A	0.6m		
			1m		


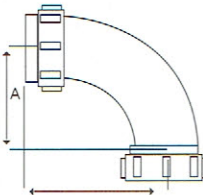



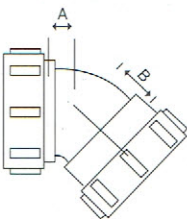
# Mechanical Chemical Resistant Plumbing

	Tech. Drawing	Dimension	Description	Code. No
		<b>Dim.</b>	<b>38mm</b>	<b>Anti-Siphon Bottle Traps</b> 38mm  PP100-010
		A	86	
		B	1 1/2" BSP	
		C	203	
		D	89	
		E	143	
		F	1 1/2" Mech Thrd	

		<b>Dim.</b>	<b>2.3 litre</b>	<b>Dilution Recovery Traps</b> 2.3 litre  PP100-012
		A	86mm	
		B	325mm	
		C	270mm	
		D	133mm	
		E	1 1/2" BSP	
		F	1 1/2" Mech Thrd	


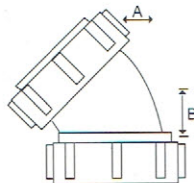
		<b>Dim.</b>	<b>38</b>	<b>51</b>	<b>76</b>	<b>102</b>	<b>Sweep Bends</b> 38mm 51mm 76mm 102mm  PP150-010 PP150-020 PP150-030 PP150-040
		A	54	62	74	98	
		B	54	62	74	98	


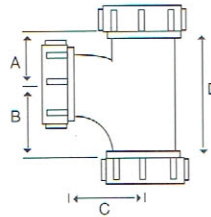
		<b>Dim.</b>	<b>38</b>	<b>51</b>	<b>76</b>	<b>102</b>	<b>Loose Nut Sweep Bends</b> 38mm 51mm 76mm 102mm  PP175-010 PP175-020 PP175-030 PP175-040
		A	54	62	74	98	
		B	76	93	133	167	

		<b>Dim.</b>	<b>38</b>	<b>51</b>	<b>76</b>	<b>102</b>	<b>Slow Bends</b> 38mm 51mm 76mm 102mm  PP200-010 PP200-020 PP200-030 PP200-040
		A	15	17	41	45	
		B	15	17	41	45	


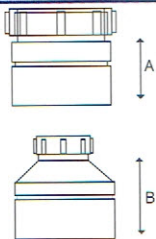



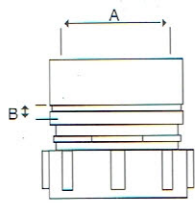
# Mechanical Chemical Resistant Plumbing

	Tech. Drawing	Dimension				Description	Code. No	
		Dim.	38	51	76	102	Loose Nut Slow Bends	
		A	15	17	41	45	38mm	PP225-010
		B	44	48	102	102	51mm	PP225-020
							76mm	PP225-030
							102mm	PP225-040

		Dim.	38	51	51x38	76	102	Equal Sweep Tee	PP250-010 PP250-020 PP250-021 PP250-030 PP250-040
		A	60	52	51	75	95		
		B	51	71	71	90	130		
		C	51	71	71	90	130		
		D	111	123	102	165	225		
								38mm	
								51mm	
								51 x 38mm	
								76mm	
								102mm	


		Dim.	38	51	76	102	Line Couplers	PP275-010 PP275-020 PP275-030 PP275-040
		A	3	3	6	6		
							38mm	
							51mm	
							76mm	
							102mm	


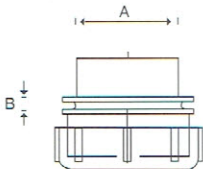
		Dim.	51x38	76x38	76x51	Reducing Couplers	PP300-021 PP300-031 PP300-032 PP300-041 PP300-042 PP300-043
		A	40	60	57		
		Dim.	102x38	102x51	102x76		
		B	70	91	73		
						51 x 38mm	
						76 x 38mm	
						76 x 51mm	
						102 x 38mm	
						102 x 51mm	
						102 x 76mm	


		Dim.	38mm	51mm	F.I to Pipe Coupler	PP325-010 PP325-020
		A	1 1/2" BSP	2" BSP		
		B	6	6		
					38mm	
					51mm	


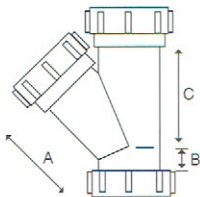



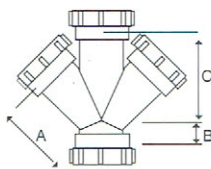
# Mechanical Chemical Resistant Plumbing

	Tech. Drawing	Dimension	Description	Code. No
		Dim. 38mm	F.I x M.I Reducer 1 1/4" F.I x 1 1/2" BSP M.I	PP350-010
		A 1 1/4" BSP		
		B 1 1/2" BSP		

		Dim. 38mm 51mm	M.I to Pipe Couplers 38mm 51mm	PP375-010 PP375-020
		A 1 1/2" BSP 2" BSP		
		B 6 6		


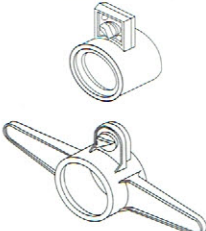
		Dim. 38 51 76 102	Blanking-Off Plug 38mm 51mm 76mm 102mm	PP400-010 PP400-020 PP400-030 PP400-040
		A 47 60 95 57		
		B 21 28 44 120		


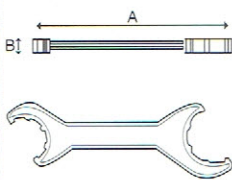
		Dim. 38 51 76 102	Single Wyes 38mm 51mm 76mm 102mm	PP425-010 PP425-020 PP425-030 PP425-040
		A 64 76 146 171		
		B 10 13 41 41		
		C 86 105 117 222		



		Dim. 38 51 76 102	Double Wyes 38mm 51mm 76mm 102mm	PP450-010 PP450-020 PP450-030 PP450-040
		A 64 76 146 171		
		B 10 13 41 41		
		C 86 105 117 222		






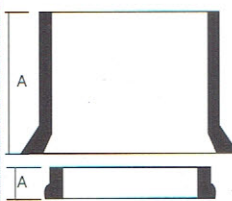
# Mechanical Chemical Resistant Plumbing

	Tech. Drawing	Dimension	Description	Code. No
			<b>Cutting Tool</b> 38mm 51mm 76mm 102mm	PP475-010 PP475-020 PP475-030 PP475-040

		Dim.	51x38	102x76	<b>Spanner</b> 51 x 38mm 102 x 76mm	PP500-021 PP500-043
		A	286	420		
		B	13	13		

		Dim.	38	51	76	102	<b>Polypropylene Pipe</b> 38mm (4m) 51mm (3m) 51mm (4m) 76mm (3m) 76mm (4m) 102mm (3m) 102mm (4m)	PP900-014 PP900-023 PP900-024 PP900-033 PP900-034 PP900-043 PP900-044
		A	4m	3/4m	3/4m	3/4m		

		Dim.	38	51	76	102	<b>Nuts</b> 38mm 51mm 76mm 102mm	PPC000810 PPC000820 PPC000830 PPC000840
		A	21	25	33	35		
		B	67	83	134	162		

		Dim.	38	51	76	102	<b>Olive</b> 38mm 51mm 76mm 102mm	PPC000910 PPC000920 PPC000930 PPC000940
		A	7	7	46	58		



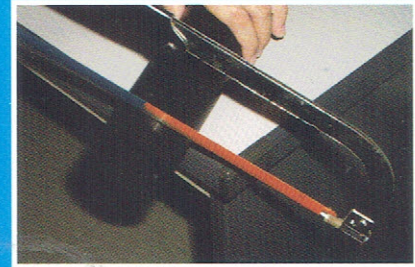
# Making A

Polypropylene Mechanical

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## Pipe Joint

- 1) Cut or saw the pipe to the required length using a rotary plastic pipe cutter or a hand saw. It is essential that all burrs and loose material be removed. It is important to ensure that the finish end is square and clean.



- 2) To achieve full joint integrity it is necessary that a groove, into which the olive locates, be cut round the pipe with cutting tool. Insert the pipe into the cutting tool to its total depth and adjust the depth cutting blade to half depth and revolve the cutting tool anti clockwise round the pipe. Then, adjust to full depth, again revolving it anti clockwise. When completed retract the blade and remove the tool making sure that any swarf created by the groove action is removed. Never try to cut the groove with the blade at full cut first time and rotate the tool anti clockwise.



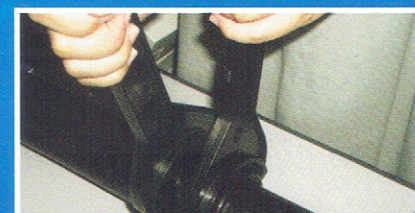
- 3) The yellow olive should not be boiled or heated during installation as it can cause damage to the product's functionality.



- 4) To assemble the joint places the nut onto the pipe and slide the yellow olive into place, with the tongue locating into groove in the pipe.



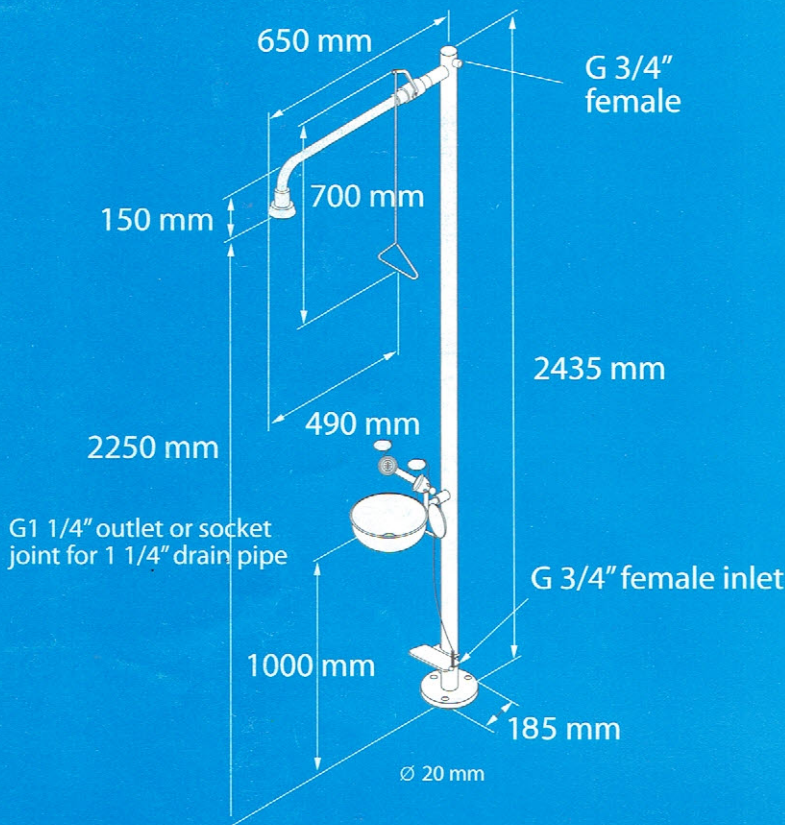
- 5) Loosely assemble the joint and proceed to hand tighten the knurled nut. Using two SPA's spanners, further tighten the nut to complete the joint.





## Laboratory Fitting

Model: ES 001-001



Model: ES 001-001

Floor mounted emergency shower combination of self draining shower head and eyewash with foot pedal.

### Specification for Shower

- 1) Shower Head : Brass
- 2) Stand Pipe : Stainless steel
- 3) Activation : Stainless steel pull rod operates a stay open stainless steel ball valves

### Specification for Eyewash

- 1) Bowl : Stainless steel



Weight: 16.85kg



# Chemical Installation Hints

2

## Resistance Polypropylene

