



Chemical

Resistant Plumbing System



for a safer and cleaner laboratory environment

Chemical Resistant Mechanical Plumbing System

The SPA Mechanical System is a complete corrosive resistant plumbing system. All fittings are injection moulded and the pipes are extruded from virgin grade polypropylene in carbon black colour. It is a non-pressure system specially designed for laboratory and industrial drainage where mixtures of acids and alkaline base and solvents are involved.

Pipe Size

Nominal internal diameter	38.00mm	51.00mm	76.00mm	102.00mm
Nominal external diameter	48.30mm	60.30mm	89.00mm	114.30mm

All pipe produces in nominal internal diameters of 38mm, 51mm, 76mm and 102mm.

Chemical Resistance

SPA products are resistant to the chemical listed in CP312 : Part 1 : 1073

Ratings

1. High Resistance

All materials belonging to this class are completely or almost completely inert when used with the specified chemical at the specified concentration / temperature levels.

2. Limited Resistance

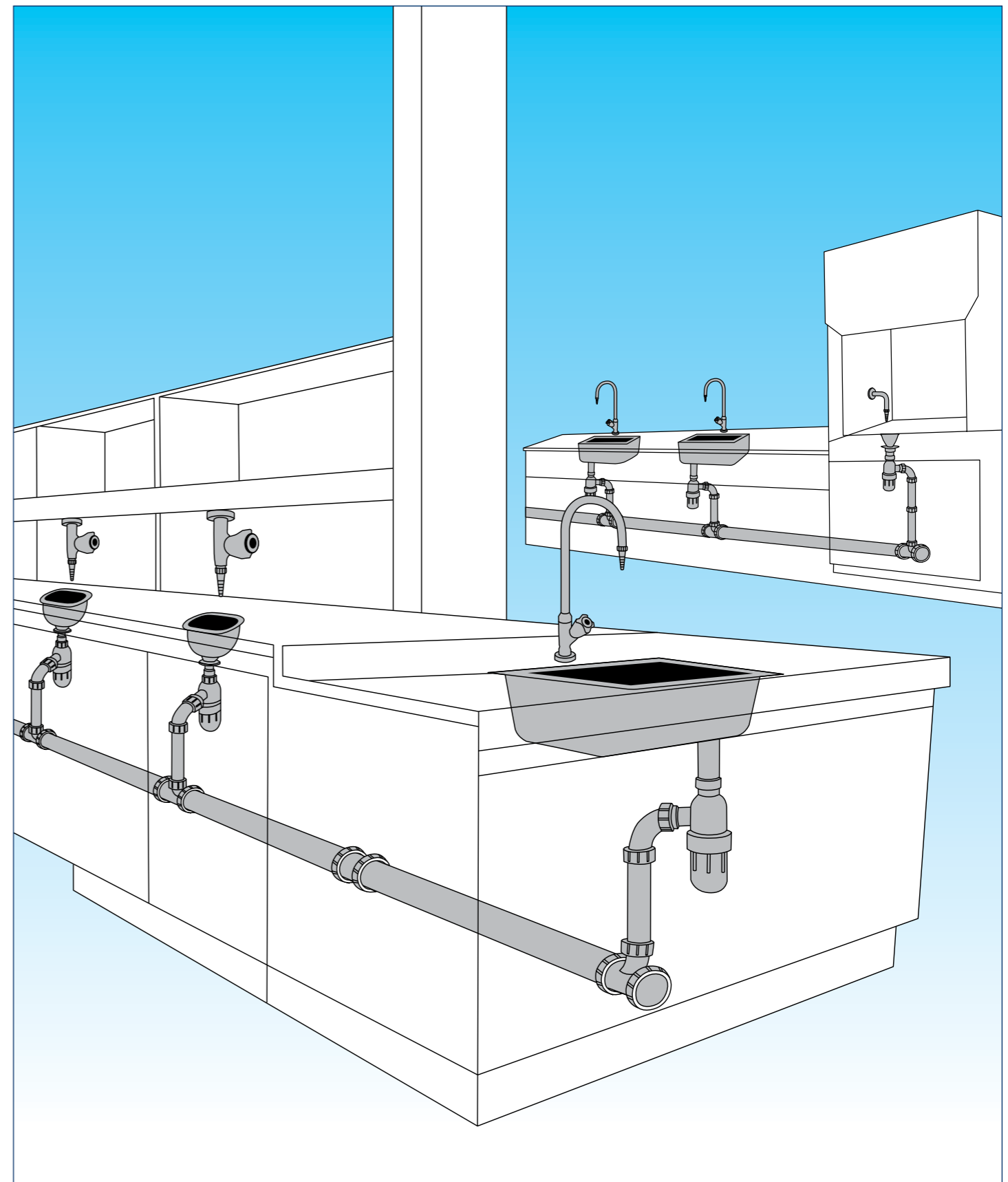
All materials belonging to this class are partially attacked by the specified chemicals at the specified concentration / temperature levels. Life expectancy is thus shortened and it is recommended to use a higher safety factor than that adopted for Class 1 materials.

3. No Resistance

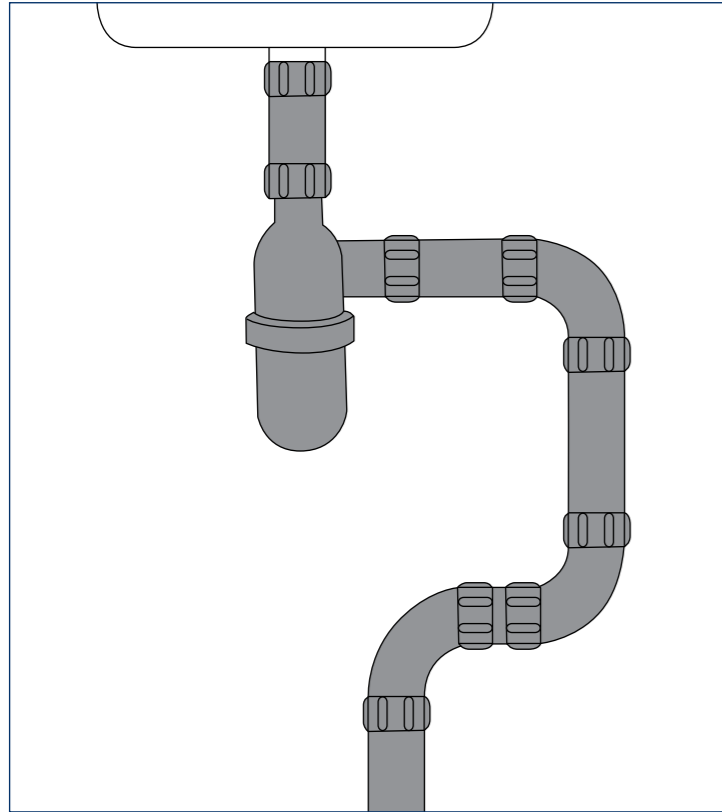
All materials in this class are severely attacked by the specified chemicals at the specified concentration / temperature levels. They should, therefore, not be used.

The absence of any class indication for any given materials, signifies the absence of data for such material(s) with respect to the specific chemical(s), temperature(s) and concentration(s).

Resistance Polypropylene

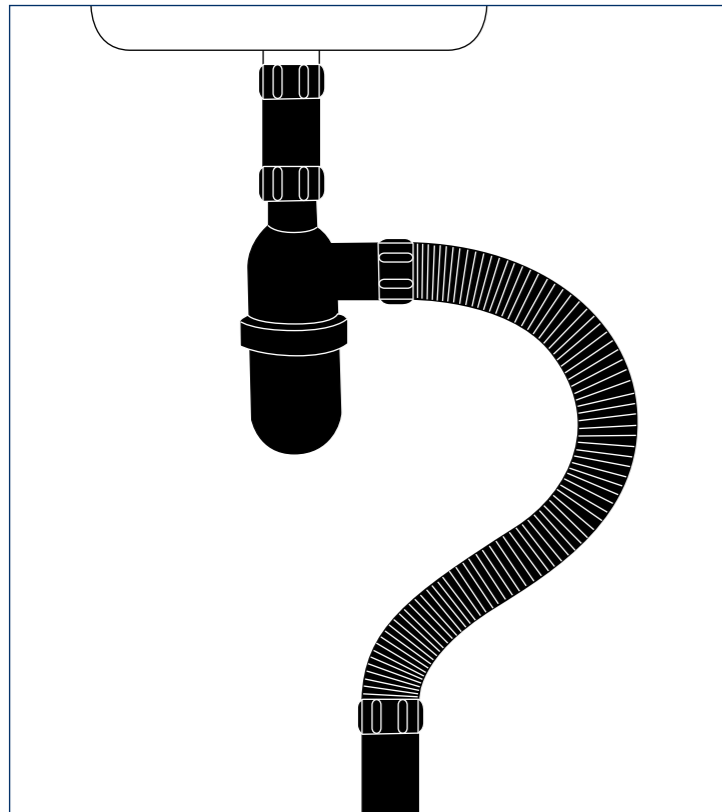


Resistance Polypropylene



Before

Waste a lot of time and use more fittings to make a joint under the sink.



After

Save time and cost by using SPA flexible connector. (It is Ideal for underbench and mobile fume cupboard use)

Chemicals	Temp. °C	PP				
		20 °F	40 °F	60 °F	80 °F	100 °F
A						
Acetaldehyde		2	3			
Acetaldehyde Aqueous, 40%		1	1	1	2	3
Acetamide		1				
Acetic Acid, 60%		1	1	1	2	2
Acetic Acid Glacial, 100%		1	2	2		3
Acetic Anhydride		1	2	2		3
Acetone, Pure		1	1	1		
Acetonitrile		1				
Acetophenone		1		3		
Acetyl Chloride		1				
Acetylene Gas, 100%		1				
Acetylnitrile		1		1		
Acrylonitrile		2				
Adipic Acid, Sat'd		1	1	1	1	1
Alcohols		1				
Allyl Alcohol, 96%		1	1	1		1
Aluminium Acetate, Sat'd		1				
Aluminium Ammonium		1				
Aluminium Bromide		1				
Aluminium Chloride, Sat'd		1	1	1	1	2
Aluminium Fluoride, Sat'd		1				
Aluminium Hydroxide, Sat'd		1				
Aluminium Nitrate, Sat'd		1				
Aluminium Oxochloride		1				
Aluminium Potassium Sulfate, Sat'd		1				
Aluminium Sulfate, Sat'd		1	1	1	1	1
Ammonia Gas		1				
Ammonia Gas, Cold		1	1	1		
Ammonia Liquid		1				
Ammonium Acetate, Sat'd		1	1	1	1	1
Ammonium Benzoate		1				
Ammonium Bifluoride, Sat'd		1				
Ammonium Carbonate, Sat'd		1	1	1	1	1
Ammonium Chloride, Sat'd		1		1		2
Ammonium Fluoride, 25%		1		1		
Ammonium Hydroxide		1	1	1	1	1
Ammonium		1				
Ammonium Nitrate, Sat'd		1		1		1
Ammonium Persulfate		1				
Ammonium Phosphate, Dibasic		1	1	1	1	1
Ammonium Phosphate, Monobasic		1	1	1	1	1
Ammonium Phosphate		1	1	1	1	1
Ammonium Potassium		1				
Ammonium Sulfate		1	1	1	1	1
Ammonium Sulfide, Dilute		1		1		
Ammonium Thiocyanate		1				
Ammonia Acetate, Sat'd		1				
Ammonia Gas		1				
Ammonia Liquid		1				
Amyl Acetate		2	2			
Amyl Alcohol, Pure		1	1	1	1	1
Amyl Chloride		3				
Aniline		2				
Aniline Chlorohydrate		2		2		3
Aniline Hydrochloride		1	1	2		
Anthraquinone		1				
Anthraquinone Sulfonic		1				
Antimony Trichloride		1	1	1		
Aqua Regia		2	3	3	3	3
Arsenic Acid, 80%		1	1	1	1	2
Asphalt		1				
Automotive Brake Fluid		1				

Chemicals	Temp. °C	PP				
		20 °F	40 °F	60 °F	80 °F	100 °F
B						
Barium Carbonate, Sat'd		1		1		
Barium Chloride, Sat'd		1		1		
Barium Hydroxide, Sat'd		1	1	1		
Barium Nitrate, Sat'd		1				
Barium Sulfate, Sat'd		1		1		
Barium Sulfide, Sat'd		1				
Beer		1	1	1		
Beet Sugar Liquors		1				
Benzaldehyde		3		3		
Benzaldehyde, 10%		1				
Benzene		2		3		3
Benzene Sulfonic Acid, 10%		1	2	3		
Benzenesulfonic Acid, 10%		1				
Benzoic Acid, All		1	1	1	1	1
Benzyl Alcohol		1	1	2		
Bismuth Carbonate		1				
Black Liquor		1				
Bleach, 12% Active Cl2		1				
Borax, Sat'd		1	1	1	1	1
Boric Acid, 10%		1	1	1	1	1
Brine, Sat'd		1	1	1	1	1
Bromic Acid		3				
Bromine Liquid		3		3		3
Bromine Vapor, 25%		3				
Butadiene		1	1	1		
Butadiene, 50%		3				
Butadiene Gas		1				
Butane, 50%		1				
Butane, Gas		1				
Butyl Acetate		2				
Butyl Acrylate Pure		3				
Butyl Alcohol		1		1		2
Butyl Bromide						1
Butyl Ether		3				
Butyl Phenol		3		3		
Butyric Acid, Pure		1	1	2		
C						
Calcium Bisulfide		1	1	1		
Calcium Bisulfite		1	1	1		
Calcium Carbonate		1	1	1		
Calcium Chlorate		1				
Calcium Chloride, Sat'd		1	1	1		2
Calcium Hydroxide, 30%		1	1	1		
Calcium Hypochlorite		1	1			
Calcium Nitrate, Sat'd		1				
Calcium Sulfate		1				
Calcium Sulfide, Sat'd		1				
Camphor Oil		3	3	3		
Carbon Dioxide, Pure Anhydrous		1	1	1	1	
Carbon Dioxide, Pure Moist		1	1	1	1	
Carbon Disulfide		1		3		3
Carbon Monoxide, Gas		1	1	1		
Carbon Tetrachloride		3	3	3		
Caustic Potash, 50%		1	1	1	1	1
Caustic Soda, 50%		1	1	1	1	1
Chloral Hydrate, All		2				
Chloramine (Diluted)		1				
Chloric Acid, 20%		1		3	3	3
Chlorinated Water, 0.3% (Sat'd)		2				
Chlorine, Liquid		3	3	3		
Chloroacetic Acid, 50%		1	1	1		
Chlorobenzene, Dry		3	3	3		

Chemicals	PP					
	Temp. °C	20	40	60	80	100
	°F	68	104	140	176	212
C (Continue)						
Chloroform, Dry	2			3		3
Chlorosulfonic Acid	3	3		3	3	3
Chrome Alum	1	1		1		2
Chromic Acid, 50%	2			3	3	3
Cider	1					
Coconut Oil	1	1		1		
Compressed Air	2					
Copper Chloride, Sat'd	1	1		1		
Copper Cyanide	1	1		1		
Copper Fluoborate	3	3		3		
Copper Nitrate, 30%	1	1		1		
Copper Salts	1	1		2		
Copper Sulfate, Sat'd	1	1		1		
Cottonseed Oil	1	1		1		
Creosols	1					
Cresol, 50%	1					
Cresol, 90%	2					
Cyclohexane	1			2		
Cyclohexanol	1	1		2		
Cyclohexanone	1	2		3	3	3
D						
Decahydronaphthalene	3	3		3		
Detergent, Water Solution	1	1		1	1	
Di(Butoxyethyl) Phthalate	3	3				
Dibutyl Phthalate	1	2		2		
Dibutyl Sebacate	1					
Dichloro Ethane	1					
Dichlorobenzene	2					
Dichloroethylene	2					
Diethyl Ether	1	1		1		
Diglycolic Acid, Sat'd	1	1		1		
Diisobutyl Ketone	1					
Dimethylamine	1			2		
Dimethylformamide	1					
Dinonyl Phthalate	1					
Dioctyl Phthalate	1	2		2		
Dioxane	2	2		2		
E						
Ethers	3	3		3		
Ethyl Acetate	1	2		2	3	3
Ethyl Alcohol	1	1		1	1	1
Ethyl Benzene	2					
Ethyl Ether	3	3		3		
Ethylene Chloride	2					
Ethylene Diamine	1					
Ethylene Glycol, 100%	1	1		1	1	1
Ethylene Oxide	2					
F						
Fatty Acids	1	1		1		
Fatty Alcohol Sulfamate	1	1		2		
Ferric Chloride	1	1		1		
Ferric Chloride, Sat'd	1	1		1	1	1
Ferric Sulfate	1					
Ferrous Chloride, Sat'd	1					
Ferrous Sulfate	1					
Fluorine Gas (Dry), 100%	3	3		3		
Fluosilicic Acid, 30%	1	1		1		
Formaldehyde	1	1		1		
Formamide	1	1		1		
Fruit Juice, Pure	1	1		1	1	1
Furfuryl Alcohol	1			2		

Chemicals	PP					
	Temp. °C	20	40	60	80	100
	°F	68	104	140	176	212
G						
Gasoline	3	3		3	3	3
Gelatin	1	1		1		
Glucose	1	1		1	1	1
Glycerine	1	1		1	1	1
Glycine, Aqueous	1	1		1	1	1
Glycolic Acid, Sat'd	1					
H						
Heptane	1			2		
n-Hexane	1			2		
Hydrazine Hydrate	1	1		1		
Hydrobromic Acid, 50%	1	1		1		
Hydrochloric Acid, 25%	1	1		1	1	1
Hydrocyanic Acid	1	1		1		
Hydrofluoric Acid, 60%	1			3		3
Hydrogen Peroxide, 30%	1	1		1		
Hydrogen Sulfide, Dry	1	1		1		
Hydroxylamine Sulfate	1	1		1		
I						
Iodine	1					
Isobutane	2			3		
Isooctane	1			2		
Isopropyl Acetate	1	1		1	1	1
Isopropyl Alcohol	1	1		1		
Isopropyl Ether	2			3		
L						
Lactic Acid, 10%	1	1		1	1	1
Lanolin	1	1		1		
Lead Acetate, Sat'd	1			2	2	2
Linseed Oil	1	1		1	1	1
Liqueurs	1					
M						
Magnesium Carbonate	1	1		1		
Magnesium Chloride, Sat'd	1	1		1		2
Magnesium Hydroxide	1	1		1	1	
Magnesium Nitride	1	1		1		
Magnesium Salts	1	1		1	1	1
Malic Acid	1			1		
Mercuric Chloride, Sat'd	1	1		1		
Mercuric Cyanide, Sat'd	1	1		1		
Mercurous Nitrate, Sat'd	1	1		1		
Mercury	1	1		1		
Mercury Salts	1	1		1		
Methane	1					
Methyl Acetate	1	1		1		
Methyl Alcohol	1			2		2
Methyl Amine	1			2		
Methyl Bromide	3	3		3		
Methylene Chloride	3			3		3
Methylsulfuric Acid	3			3		3
Milk	1	1		1	1	1
Molasses	1	1		1	1	1
Morpholine	1	1		1		
N						
Naphtha	1	3				
Naphthalene	1					
Nickel Chloride, Sat'd	1	1		1	1	1
Nickel Nitrate	1	1		1		2
Nickel Sulfate, Sat'd	1	1		1		
Nitric Acid, 60%	2			3		3
Nitrobenzene	1			2		

Chemicals	PP					
	Temp. °C	20	40	60	80	100
	°F	68	104	140	176	212
O						
Oleic Acid	1	1		2		
Olive Oil	1	1		1	1	
Oxygen Gas	3	3		3		
Ozone	2	3		3		
P						
Palmitic Acid	2					
Palmitic Acid, 10%				3		
Paraffin				1		
Paraffin Emulsion	1	1		2		
Perchloric Acid, 70%	1					
Perchloroethylene	2					
Petroleum	1	2		2		
Phenol, 90%	1	1		1		
Phosgene Gas	2					
Phosgene Liquid	2					
Phosphoric Acid, 50%	1	1		1	1	1
Phosphorous Pentoxide	1					
Phosphorous Trichloride	1			2		
Phosphorous Oxychloride	1			2		
Phosphorous Pentachloride	1			2		
Potassium Bicarbonate	1	1		1	1	1
Potassium Borate	1	1		1		
Potassium Bromate	1	1		1	1	1
Potassium Bromide	1	1		1		
Potassium Carbonate	1					
Potassium Chlorate	1	1		1		
Potassium Chloride	1	1		1	1	1
Potassium Chromate	1	1		1		
Potassium Cyanide	1	1		1		
Potassium Ferricyanide	1	1		1		2
Potassium Fluoride	1	1		1		
Potassium Iodide	1	1		1		
Potassium Nitrate	1	1		1		
Potassium Perborate	1					
Potassium Perchlorate	1	1		1		
Potassium Permanganate, 10%	1	1		1	1	
Potassium Persulfate	1	1		1		
Potassium Sulfate	1	1		1		
Propane	1					
1-Propanol	1	1		1		
Propargyl Alcohol	1	1		1		
Propionic Acid, 50%	1	1		1		
Propyl Alcohol	1	1		1		
Propylene Oxide	1					
Pyridine	2	2		2		
S						
Sea Water	1	1		1	1	1
Silicic Acid	1	1		1		
Silicone Oil	1	1		1		
Silver Cyanide	1	1		1		
Silver Nitrate	1	1		1		2
Soaps	1	1		1		
Sodium Acetate, Sat'd	1	1		1	1	1
Sodium Benzoate	1	1		1		
Sodium Bicarbonate	1	1		1	1	
Sodium Bichromate, Sat'd	1	1		1	1	1
Sodium Bisulfate	1	1		1		
Sodium Bisulfite	1	1		1		2
Sodium Bromide, Sat'd	1	1		1		
Sodium Chlorate, Sat'd	1	1		1		
Sodium Chloride	1	1		1	1	

Chemicals	PP					
	Temp. °C	20	40	60	80	100
	°F	68	104	140	176	212
S (Continue)						
Sodium Chromate	1	1				
Sodium Fluoride	1					
Sodium Hypochlorite	1					
Sodium Iodide	1					
Sodium Nitrate, Sat'd	1	1		1		
Sodium Nitrite, Sat'd	1					
Sodium Oxalate	1					
Sodium Perborate	1					
Sodium Phosphate	1	1		1	1	1
Sodium Sulfate, Sat'd	1	1		1	1	1
Sodium Sulfide	1	1		1		
Sodium Sulfite	1	1		1		
Sodium Thiosulfate	1	1		1		
Sodium Chloride, 15%	1	1		1		
Stearic Acid, 100%	1	2		2		
Succinic Acid	1	1		1		
Sugar Syrup	1	1		1	1	
Sulfur Dioxide Gas, Dry	1	1		1		3
Sulfuric Acid, 51% to 60%	1	1		1		
Sulfuric Acid, 71% to 80%	1	1		2		
Sulfurous Acid	1	1		1		
T						
Tannic Acid	1	1		1		
Tartaric Acid	1	1		1		
Tetrachloroethane	2			3		
Tetraethyl Lead	1					
Tetrahydrofuran	2			3		3
Thionyl Chloride	3					
Toluene	2	3		3	3	3
Transformer Oil	1			2		
Tributyl Phosphate	1	1		1		
Trichloroacetic Acid, 50%	1	1		1		
Trichloroethylene	3	3		3		
Tricresyl Phosphate	1			2		
Triethanolamine	1					
Trioctyl Phosphate	1					
U, V, W						
Urea	1	1		1		
Urine	1	1		1		
Vaseline	1			2		
Vegetable Oil	1	1		2		
Vinegar	1	1		1	1	
Vinyl Acetate	1					
Water, Deionized	1	1		1	1	1
Whiskey	1					
Wines	1	1		1		
X, Y, Z						
Xylene	1	1		2		
Yeast	1	1		1		
Zinc Chloride	1	1		1		
Zinc Nitrate	1	1		1		
Zinc Salts	1	1		1		
Zinc Sulfate	1	1		1		

Products	Technical Drawing	Dimensions			Descriptions	Code No.	
		Dim.	345 x 345	550 x 400	560 x 428	PP Sinks	
		A	345	550	560	560 x 428 x 260mm	PP001-103
		B	345	400	428	560 x 428 x 260mm (Grey)	PP001-303
		C	20	35	30	345 x 345 x 230mm	PP001-105
		D	230	230	260	345 x 345 x 230mm (Grey)	PP001-305
		E	73	73	73	550 x 400 x 235mm	PP001-106
F	175	150	143	550 x 400 x 235mm (Grey)	PP001-306		

Products	Technical Drawing	Dimensions			Descriptions	Code No.
		Dim.	175 x 102	264 x 111	Oval Drip Cups	
		A	175	264	175 x 102mm	PP025-001
		B	102	111	175 x 102mm (Grey)	PP025-301
		C	6	6	264 x 111mm	PP025-002
		D	216	225	264 x 111mm (Grey)	PP025-302
		E	6	13		
		F	143	161		
G	1 1/2" BSP	1 1/2" BSP				

Products	Technical Drawing	Dimensions			Descriptions	Code No.
		Dim.	102	168	Circular Drip Cups	
		A	102	168	168mm Dia.	PP026-001
		B	5	8	168mm Dia. (Grey)	PP026-301
		C	136	165	102mm Dia.	PP026-002
		D	6	11	102mm Dia. (Grey)	PP026-302
		E	76	114		
F	1 1/2" BSP	1 1/2" BSP				

Products	Technical Drawing	Dimensions			Descriptions	Code No.
		Dim.	38 x 76		Unslotted Wastes	
		A	73		38 x 76mm Dia.	PP050-013
		B	3		38 x 76mm Dia. (Grey)	PP050-313
		C	104			
D	1 1/2" BSP					

Products	Technical Drawing	Dimensions			Descriptions	Code No.
		Dim.	38		38mm PP Flexible Connectors	
		A	0.6m	1m	0.6m	PP080-001
					1.0m	PP080-002
					0.4m	PP080-003
					0.3m	PP080-004
(Ideal for underbench and mobile fume cupboard use)						

Products	Technical Drawing	Dimensions			Descriptions	Code No.
		Dim.	38		Anti-Siphon Bottle Traps	
		A	86		38mm	PP100-010
		B	1 1/2" BSP			
		C	203			
		D	89			
		E	143			
F	1 1/2" Mech Thrd					

Products	Technical Drawing	Dimensions			Descriptions	Code No.
		Dim.	2.3		PP Dilution Recovery Traps	
		A	86mm		2.3 litres	PP100-012
		B	325mm			
		C	270mm			
		D	133mm			
		E	1 1/2" BSP			
F	1 1/2" Mech Thrd					

Products	Technical Drawing	Dimensions			Descriptions	Code No.
		Dim.	38	51	PP Dilution Recovery Traps	
		A	230mm	230mm	4.5 litres (38mm)	PP110-010
		B	121mm	121mm	4.5 litres (51mm)	PP110-020
		C	318mm	318mm		
		D	244mm	244mm		
		E	168mm	168mm		
		F	51mm x 1	51mm x 3		
G	38mm x 2	-				

Products	Technical Drawing	Dimensions					Descriptions	Code No.
		Dim.	38	51	76	102	Sweep Bends	
		A	54	62	74	98	38mm	PP150-010
		B	54	62	74	98	51mm	PP150-020
							76mm	PP150-030
					102mm	PP150-040		

Products	Technical Drawing	Dimensions					Descriptions	Code No.
		Dim.	38	51	76	102	Loose Nut Sweep Bends	
		A	54	62	74	98	38mm	PP175-010
		B	76	93	133	167	51mm	PP175-020
							76mm	PP175-030
					102mm	PP175-040		

Products	Technical Drawing	Dimensions				Descriptions	Code No.	
		Dim.	38	51	76			102
		Dim.	38	51	76	102	Slow Bends	
		A	15	17	41	45	38mm	PP200-010
		B	15	17	41	45	51mm	PP200-020
							76mm	PP200-030
						102mm	PP200-040	

Products	Technical Drawing	Dimensions				Descriptions	Code No.	
		Dim.	38	51	76			102
		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	

Products	Technical Drawing	Dimensions					Descriptions	Code No.	
		Dim.	38	51	51 x 38	76			102
		Dim.	38	51	51 x 38	76	102	Sweep Tees	
		A	60	52	51	75	95	38mm	PP250-010
		B	51	71	71	90	130	51mm	PP250-020
		C	51	71	71	90	130	51 x 38mm	PP250-021
							76mm	PP250-030	
							102mm	PP250-040	

Products	Technical Drawing	Dimensions				Descriptions	Code No.	
		Dim.	38	51	76			102
		Dim.	38	51	76	102	Line Couplers	
		A	3	3	6	6	38mm	PP275-010
							51mm	PP275-020
							76mm	PP275-030
						102mm	PP275-040	

Products	Technical Drawing	Dimensions				Descriptions	Code No.
		Dim.	51 x 38	76 x 38	76 x 51		
		Dim.	51 x 38	76 x 38	76 x 51	Reducing Couplers	
		A	40	60	57	51 x 38mm	PP300-021
						76 x 38mm	PP300-031
						76 x 51mm	PP300-032
		Dim.	102 x 38	102 x 51	102 x 76	102 x 38mm	PP300-041
B	70	91	73	102 x 51mm	PP300-042		
				102 x 76mm	PP300-043		

Products	Technical Drawing	Dimensions		Descriptions	Code No.	
		Dim.	38			51
		Dim.	38	51	F.I. to Pipe Couplers	
		A	1 1/2" BSP	2" BSP	38mm	PP325-010
		B	6	6	51mm	PP325-020

Products	Technical Drawing	Dimensions		Descriptions	Code No.
		Dim.	38		
		Dim.	38	F.I. x M.I. Reducer	
		A	1 1/4" BSP	F.I. 1 1/4" x M.I. 1 1/2" BSP	PP350-010
		B	1 1/2" BSP		

Products	Technical Drawing	Dimensions		Descriptions	Code No.	
		Dim.	38			51
		Dim.	38	51	M.I. to Pipe Couplers	
		A	1 1/2" BSP	2" BSP	38mm	PP375-010
		B	6	6	51mm	PP375-020

Products	Technical Drawing	Dimensions				Descriptions	Code No.	
		Dim.	38	51	76			102
		Dim.	38	51	76	102	Blanking-Off Plugs	
		A	47	60	95	57	38mm	PP400-010
		B	21	28	44	120	51mm	PP400-020
							76mm	PP400-030
						102mm	PP400-040	

Products	Technical Drawing	Dimensions					Descriptions	Code No.
		Dim.	38	51	76	102		
		Dim.	38	51	76	102	Single Wyes	
		A	64	76	146	171	38mm	PP425-010
		B	10	13	41	41	51mm	PP425-020
		C	86	105	117	222	76mm	PP425-030
						102mm	PP425-040	

Products	Technical Drawing	Dimensions				Descriptions	Code No.	
		Dim.	38	51	76			102
		Dim.	38	51	76	102	Double Wyes	
		A	64	76	146	171	38mm	PP450-010
		B	10	13	41	41	51mm	PP450-020
		C	86	105	117	222	76mm	PP450-030
						102mm	PP450-040	

Products	Technical Drawing	Dimensions				Descriptions	Code No.	
		Dim.	38	51	76			102
		Dim.					Cutting Tools	
							38mm	PP475-010
							51mm	PP475-020
							76mm	PP475-030
					102mm	PP475-040		

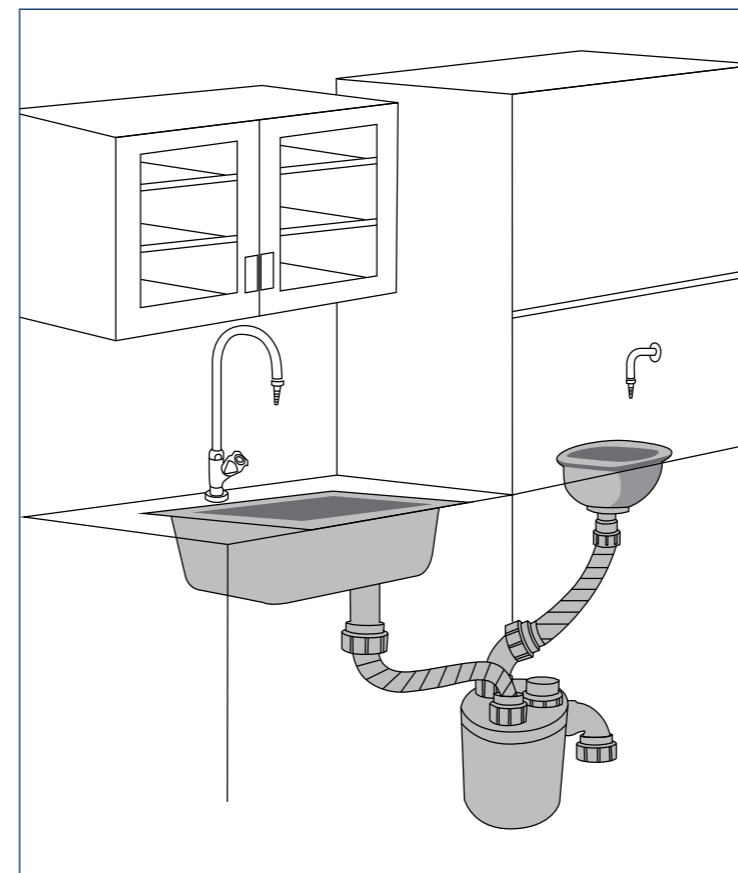
Products	Technical Drawing	Dimensions		Spanners	Code No.	
		51 x 38	102 x 76			
		Dim.	51 x 38	102 x 76	Spanners	
		A	286	420	51 x 38mm	PP500-021
		B	13	13	102 x 76mm	PP500-043

Products	Technical Drawing	Dimensions				Polypropylene Pipes	Code No.	
		Dim.	38	51	76			102
		Dim.	38	51	76	102	Polypropylene Pipes	
		A	4m	4m	4m	4m	38mm	PP900-014
							51mm	PP900-024
							76mm	PP900-034
					102mm	PP900-044		

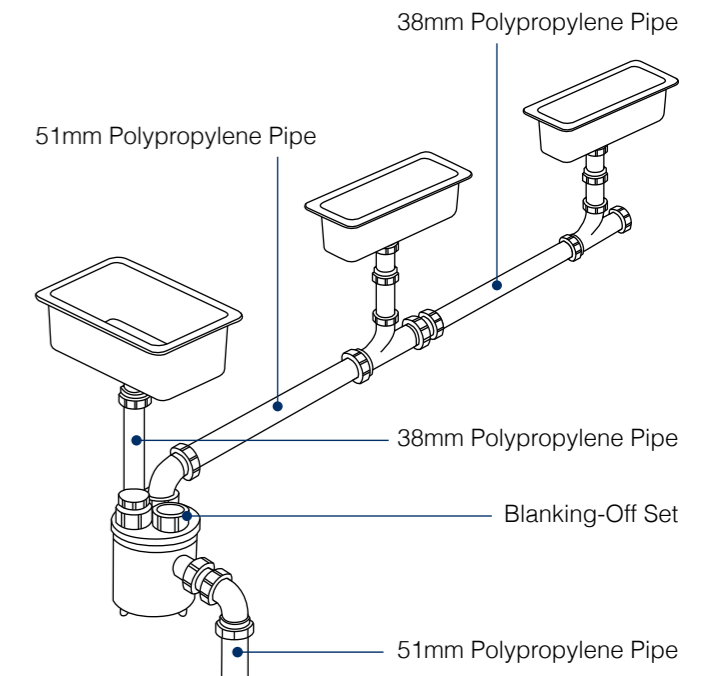
Products	Technical Drawing	Dimensions				Nuts	Code No.	
		Dim.	38	51	76			102
		Dim.	38	51	76	102	Nuts	
		A	21	25	33	35	38mm	PPC000810
		B	67	83	134	162	51mm	PPC000820
							76mm	PPC000830
					102mm	PPC000840		

Products	Technical Drawing	Dimensions				Descriptions	Code No.	
		Dim.	38	51	76			102
		Dim.	38	51	76	102	Olives	
		A	7	7	46	58	38mm	PPC000910
							51mm	PPC000920
							76mm	PPC000930
							102mm	PPC000940

Chemical Dilution Recovery Trap Resistance Polypropylene



Installation Hints



A typical laboratory bench waste run incorporating sinks discharging into a catchpot.

The one piece moulded Polypropylene Dilution Recovery Trap with a 4.5 litres capacity is ideal for fumecupboard and underbench installations serving one or multiple sink. Its physical and high chemical resistant properties are well suited to dilute acid that poured into the sink. The process of dilution is important in the laboratory environment as it render the acid less harmful.

The Dilution Recovery Trap is supplied with dip tubes that can prevent odour and insects from entering the laboratory through the sinks and traps solids to prevent from entering the piping system to avoid blockage. Additional dip tubes and blanking-off plugs can be ordered separately. If the tank is use as dilution chamber only, the dip tubes can be omitted.

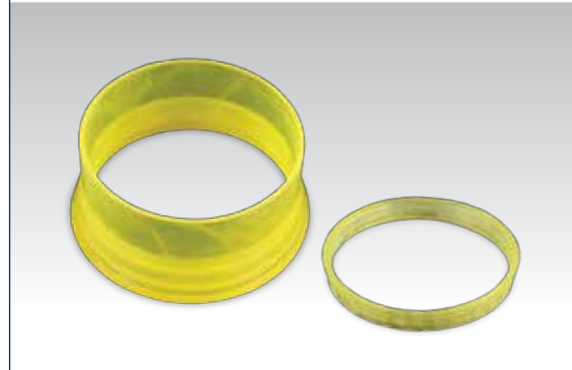
When cleaning out the Dilution Recovery Trap, union nuts on the lid should be disconnected, withdraw the dip tubes and disconnect the upper part and the lower part of the dilution tank, flush out the content in the trap carefully. Proper maintenance of dilution tanks is important for neutralizing wastes in systems. Tanks must be cleaned out periodically. A regular maintenance program of one to three months should be schedule depending on use.



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 materials 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.



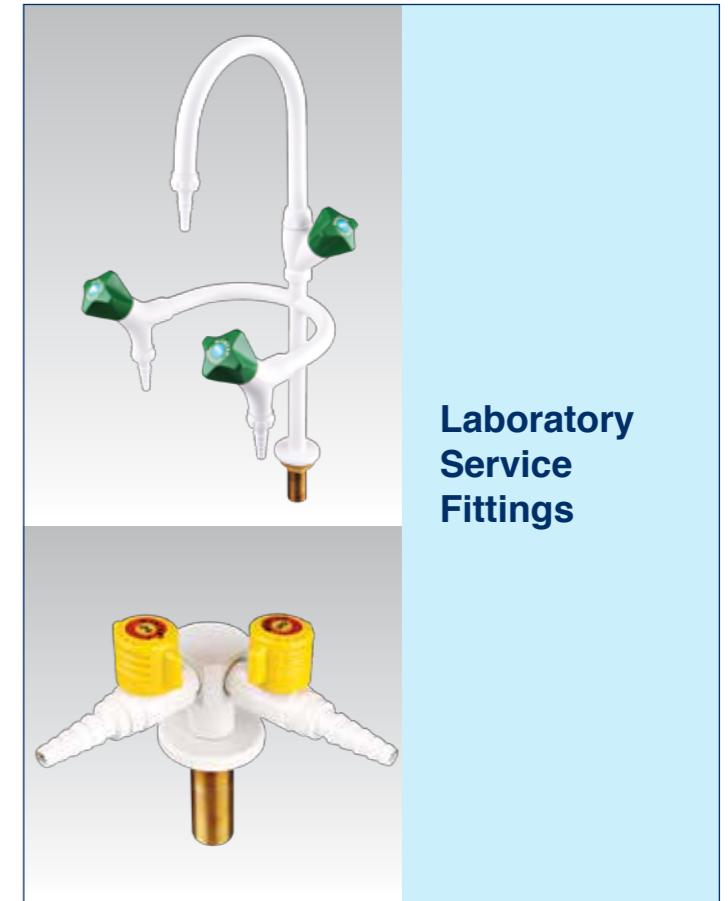
4. To assemble the joint, places the nut onto the pipe and slide the yellow olive into place, with the tongue locating into groove in the pipe.



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.



Emergency Shower & Eyewash



Laboratory Service Fittings



Chemical Resistant Centrifugal Fan



Epoxy Worktop



Laboratory Fume Cupboard



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