

# Polstat 3500 – Parallel Synthesizer

## Component Catalogue





## Contents

Polstat 3500 Kit	4
Support Stand Accessories	7
xTorq Stirrer & Accessories	8
PTFE Stirrer Shaft	9
Inserts	10
Temperature Sensors & Adapters	13
Vials & Test Tubes	14
Round Bottom Flasks	15
Process Vessels	16
Multi – Neck Lids & Accessories	17
Glassware Accessories	18
PTFE Magnetic Stirring Bars	20
Chiller & Accessories	21

## Polstat 3500 Kit



## Polstat 3500 Kit

Model No.	Description	Qty
PP3500.01.001	Polstat 3500 with control Pad – India Plug	1
Kit Includes		
	Polstat 3500	1
PP3500.01.002	Polstat 3500 Control Pad	1
PP3500.01.003	Polstat 3500 Control Pad Cable	1
PP3500.01.004	Polstat 3500 Emergency Cooling Button	1
PP3500.01.005	Quick Coupling Male, Barbed + Shut-off, 3/8"	6
PP3500.01.006	Quick Coupling Male, Barbed + Shut-off, 1/4"	5
PP3500.01.007	Silicon Tubing for Coolant – ID: 8.0mm X 2.0m	2
PP3500.01.008	Polstat 3500 PTFE ring for Insert	4
PP3500.01.009	Power Cord, 16A	1

# Polstat 3500 Kit



PP3500.01.001	Polstat 3500
Material	Enclosure – Powder Coated Steel with FEP coating
Dimensions	680X500X260mm (WxDxH) with xTorq stirrer - 680X500X560mm (WxDxH)
Weight	50kg
Heating	Cartridge Heater
Cooling	Peltier Module
Stirring	Built-in magnetic stirrer(optional overhead stirrer)
Pack Qty	1



PP3500.01.002	Polstat 3500 Control Pad
Material	ABS Plastic
Dimensions	215x150x50mm (WxDxH)
Weight	600g
Touch Screen	7" LCD
Pack Qty	1



PP3500.01.003	Polstat 3500 Control Pad Cable
Pack Qty	1



PP3500.01.004	Polstat 3500 Emergency Cooling Switch
Material	ABS Plastic
Dimensions	80x80x50mm (LxWxH)
Weight	250g
Pack Qty	7" LCD



PP3500.01.005	Quick Coupling Male, Barbed + Shut-off, 3/8"
Material	Acetal
Pack Qty	1



PP3500.01.006	Quick Coupling Male, Barbed + Shut-off, 1/4"
Material	Acetal
Pack Qty	1

## Polstat 3500 Kit



PP3500.01.007	Silicon Tubing for Coolant – ID: 8.0mm X 2.0m
Material	Silicon
Insulation	NBR Insulation
Temp. Range	(-)10 °C to +60°C
Max Working Pressure	2 bar
Pack Qty	1



PP3500.01.008	Polstat 3500 PTFE ring for Insert
Material	PTFE
Pack Qty	4



PP3500.01.009	Power Cord, 16A
Pack Qty	1

# Support Stand Accessories



<b>PP3500.02.001</b>	<b>Vertical Rod</b>
Material	SS304
	Each block requires 1no's
Pack Qty	1



<b>PP3500.02.002</b>	<b>Stirrer Mounting Rod</b>
Material	SS304
	Each block requires 1no's
Pack Qty	1



<b>PP3500.02.003</b>	<b>Vessel Mounting Rod</b>
Material	SS304
	Each block requires 1no's
Pack Qty	1



<b>PP3500.02.004</b>	<b>SS Slider</b>
Material	SS304
	Each block requires 2no's
Pack Qty	1



<b>PP3500.02.005</b>	<b>Slider Key</b>
Material	SS304
	Each block requires 2no's
Pack Qty	1

# xTorq Stirrer & Accessories



<b>PP3500.03.001</b>	<b>Polstat 3500 xTorq Stirrer</b>
Material	Aluminum with Powder Coating
Dimensions	45x60x115mm (WxDxH)
Weight	500g
Pack Qty	1



<b>PP3500.03.002</b>	<b>xTorq Stirrer Gland with Threaded Cap</b>
Material	PTFE
Joint	B14
Pack Qty	1



<b>PP3500.03.003</b>	<b>xTorq Stirrer Gland</b>
Material	PTFE
Joint	B14
Pack Qty	1



<b>PP3500.03.004</b>	<b>Threaded Cap</b>
Material	PTFE
Threading	M22
Pack Qty	1



# PTFE Stirrer Shaft



<b>PP3500.04.001</b>	<b>Pitch Blade Turbine PTFE Stirrer Shaft – 245X29mm</b>
Material	PTFE
Pack Qty	1



<b>PP3500.04.002</b>	<b>Pitch Blade Turbine PTFE Stirrer Shaft – 245X33mm</b>
Material	PTFE
Pack Qty	1



<b>PP3500.04.003</b>	<b>Retreat Curve PTFE Stirrer Shaft – 245X30mm</b>
Material	PTFE
Pack Qty	1



<b>PP3500.04.004</b>	<b>Retreat Curve PTFE Stirrer Shaft – 245X40mm</b>
Material	PTFE
Pack Qty	1



<b>PP3500.04.005</b>	<b>U - Shape PTFE Stirrer Shaft – 245X29mm</b>
Material	PTFE
Pack Qty	1



<b>PP3500.04.006</b>	<b>U - Shape PTFE Stirrer Shaft – 245X33mm</b>
Material	PTFE
Pack Qty	1

# Inserts



<b>PP3500.05.001</b>	<b>Polstat 3500 Insert for Vial 2ml x 8</b>
Material	Anodized Aluminum
Dimensions	90 x 50 mm
Pack Qty	1



<b>PP3500.05.002</b>	<b>Polstat 3500 Insert for Vial 20ml x 4</b>
Material	Anodized Aluminum
Dimensions	90 x 50 mm
Pack Qty	1



<b>PP3500.05.003</b>	<b>Polstat 3500 Insert for Test Tube 7ml x 6</b>
Material	Anodized Aluminum
Dimensions	90 x 50 mm
Pack Qty	1



<b>PP3500.05.004</b>	<b>Polstat 3500 Insert for Test Tube 50ml x 4</b>
Material	Anodized Aluminum
Dimensions	90 x 50 mm
Pack Qty	1



<b>PP3500.05.005</b>	<b>Polstat 3500 Insert for Test Tube 75ml x 1</b>
Material	Anodized Aluminum
Dimensions	90 x 50 mm
Pack Qty	1



<b>PP3500.05.006</b>	<b>Polstat 3500 Insert for Tapered Vial 2ml x 6</b>
Material	Anodized Aluminum
Dimensions	90 x 50 mm
Pack Qty	1

# Inserts



<b>PP3500.05.007</b>	<b>Polstat 3500 Insert for 25ml Round Bottom Flask</b>
Material	Anodized Aluminum
Dimensions	90 x 50 mm
Pack Qty	1



<b>PP3500.05.008</b>	<b>Polstat 3500 Insert for 50ml Round Bottom Flask</b>
Material	Anodized Aluminum
Dimensions	90 x 50 mm
Pack Qty	1



<b>PP3500.05.009</b>	<b>Polstat 3500 Insert for 100ml Round Bottom Flask</b>
Material	Anodized Aluminum
Dimensions	90 x 50 mm
Pack Qty	1



<b>PP3500.05.010</b>	<b>Polstat 3500 Insert for 250ml Round Bottom Flask</b>
Material	Anodized Aluminum
Dimensions	90 x 50 mm
Pack Qty	1



<b>PP3500.05.011</b>	<b>Polstat 3500 Insert for 50ml Process Vessel</b>
Material	Anodized Aluminum
Dimensions	90 x 50 mm
Pack Qty	1



<b>PP3500.05.012</b>	<b>Polstat 3500 Insert for 100ml Process Vessel</b>
Material	Anodized Aluminum
Dimensions	90 x 50 mm
Pack Qty	1

# Inserts



<b>PP3500.05.013</b>	<b>Polstat 3500 Insert for 150ml Process Vessel</b>
Material	Anodized Aluminum
Dimensions	90 x 50 mm
Pack Qty	1

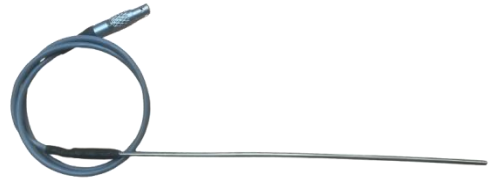


<b>PP3500.05.014</b>	<b>Polstat 3500 Insert for 250ml Process Vessel</b>
Material	Anodized Aluminum
Dimensions	90 x 50 mm
Pack Qty	1

# Temperature Sensors & Adapters



<b>PP3500.06.001</b>	<b>Polstat 3500 PTFE Coated Temperature Sensor, Ø3.5mm x 200mm</b>
Material	PTFE Coated Stainless Steel
Pack Qty	1



<b>PP3500.06.002</b>	<b>Polstat 3500 Temperature Sensor, Ø3mm x 200mm</b>
Material	Stainless Steel
Pack Qty	1



<b>PP3500.06.003</b>	<b>Polstat 3500 Temperature Sensor Adapter 3.5mm ID</b>
Material	PTFE Coated Stainless Steel
Pack Qty	1



<b>PP3500.06.004</b>	<b>Polstat 3500 Temperature Sensor Adapter 3mm ID</b>
Material	Stainless Steel
Pack Qty	1

# Vials & Test tubes



<b>PP3500.07.001</b>	<b>Vial 2ml with Screw cap &amp; Septum</b>
Material	Borosilicate Glass
Working Volume	0.5 to 2ml
Nominal Volume	2ml
Dimensions	Ø12mm x 32mm
Pack Qty	100



<b>PP3500.07.002</b>	<b>Vial 20ml with Screw cap</b>
Material	Borosilicate Glass
Working Volume	5 to 20ml
Nominal Volume	20ml
Dimensions	Ø28mm x 60mm
Pack Qty	100



<b>PP3500.07.003</b>	<b>Test tube 7ml, Ø16mm x 100mm</b>
Material	Borosilicate Glass
Working Volume	0.5 to 7ml
Nominal Volume	7ml
Pack Qty	100



<b>PP3500.07.004</b>	<b>Test tube 50ml, Ø24mm x 200mm</b>
Material	Borosilicate Glass
Working Volume	5 to 20ml
Nominal Volume	20ml
Pack Qty	20



<b>PP3500.07.005</b>	<b>Test tube 75ml,</b>
Material	Borosilicate Glass
Working Volume	
Nominal Volume	
Pack Qty	100



<b>PP3500.07.006</b>	<b>Tapered Microwave Vial 2ml with Crimp cap, septum 2ml, Ø17mm x 83mm</b>
Material	Borosilicate Glass
Working Volume	0.5 to 2ml
Nominal Volume	2ml
Pack Qty	100

# Round Bottom Flasks



<b>PP3500.08.001</b>	<b>Round Bottom Flask, 25ml</b>
Material	Borosilicate Glass
Working Volume	15ml
Nominal Volume	25ml
Pack Qty	1



<b>PP3500.08.002</b>	<b>Round Bottom Flask, 50ml</b>
Material	Borosilicate Glass
Working Volume	25ml
Nominal Volume	50ml
Pack Qty	1



<b>PP3500.08.003</b>	<b>Round Bottom Flask, 100ml</b>
Material	Borosilicate Glass
Working Volume	50ml
Nominal Volume	100ml
Pack Qty	1



<b>PP3500.08.004</b>	<b>Round Bottom Flask, 250ml</b>
Material	Borosilicate Glass
Working Volume	125ml
Nominal Volume	250ml
Pack Qty	1

# Process Vessels



<b>PP3500.09.001</b>	<b>Process Vessel, 50ml</b>
Material	Borosilicate Glass
Working Volume	25ml
Nominal Volume	50ml
Pack Qty	1



<b>PP3500.09.002</b>	<b>Process Vessel, 100ml</b>
Material	Borosilicate Glass
Working Volume	50ml
Nominal Volume	100ml
Pack Qty	1



<b>PP3500.09.003</b>	<b>Process Vessel, 150ml</b>
Material	Borosilicate Glass
Working Volume	75ml
Nominal Volume	150ml
Pack Qty	1



<b>PP3500.09.004</b>	<b>Process Vessel, 250ml</b>
Material	Borosilicate Glass
Working Volume	125ml
Nominal Volume	250ml
Pack Qty	1



<b>PP3500.09.005</b>	<b>Process Vessel, 400ml</b>
Material	Borosilicate Glass
Working Volume	200ml
Nominal Volume	400ml
Pack Qty	1



# Multi-Neck Lids & Accessories



<b>PP3500.10.001</b>	<b>3-Neck Lid, Center B14 + Side B14 x 2No's</b>
Material	Borosilicate Glass
Pack Qty	1



<b>PP3500.10.002</b>	<b>5-Neck Lid, Center B14 + Side B14 x 4No's</b>
Material	Borosilicate Glass
Pack Qty	1

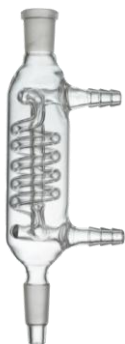


<b>PP3500.10.003</b>	<b>Vessel Holding Connector</b>
Material	PTFE
Pack Qty	1



<b>PP3500.10.004</b>	<b>PTFE Gasket for vessel</b>
Material	PTFE
Pack Qty	1

# Glassware Accessories



<b>PP3500.11.001</b>	<b>Coil Condenser, B14</b>
Material	Borosilicate Glass
Connection	B14
Pack Qty	1



<b>PP3500.11.002</b>	<b>Angled Solid Addition Funnel, B14</b>
Material	Borosilicate Glass
Connection	B14
Pack Qty	1



<b>PP3500.11.003</b>	<b>Solid Addition Funnel, B14</b>
Material	Borosilicate Glass
Connection	B14
Pack Qty	1



<b>PP3500.11.004</b>	<b>Liquid Addition Funnel 40ml + Equalizing Arm</b>
Material	Borosilicate Glass
Connection	B14
Pack Qty	1



<b>PP3500.11.005</b>	<b>Enlarging Adapter B14 to B19</b>
Material	Borosilicate Glass
Connection	B14 to B19
Pack Qty	1



<b>PP3500.11.006</b>	<b>Enlarging Adapter B14 to B23</b>
Material	Borosilicate Glass
Connection	B14 to B23
Pack Qty	1

# Glassware Accessories



<b>PP3500.11.007</b>	<b>Reducing Adapter B14 to B10</b>
Material	Borosilicate Glass
Connection	B14 to B10
Pack Qty	1



<b>PP3500.11.008</b>	<b>Reducing Adapter B19 to B10</b>
Material	Borosilicate Glass
Connection	B19 to B10
Pack Qty	1



<b>PP3500.11.009</b>	<b>Glass Cone Stopper B14</b>
Material	Borosilicate Glass
Connection	B14
Pack Qty	1



<b>PP3500.11.010</b>	<b>Glass Cone Stopper B19</b>
Material	Borosilicate Glass
Connection	B19
Pack Qty	1



<b>PP3500.11.011</b>	<b>Glass connector Gas, B14</b>
Material	Borosilicate Glass
Connection	B14
Pack Qty	1

# PTFE Magnetic Stirring Bars



<b>PP3500.12.001</b>	<b>V-Shape Stirring Bar 5 x 11mm</b>
Pack Qty	10



<b>PP3500.12.002</b>	<b>Oval Shape Stirring Bar, 15mm</b>
Pack Qty	10



<b>PP3500.12.003</b>	<b>Oval Shape Stirring Bar, 25mm</b>
Pack Qty	10



<b>PP3500.12.004</b>	<b>Oval Shape Stirring Bar, 35mm</b>
Pack Qty	10



<b>PP3500.12.005</b>	<b>Cross Shape Stirring Bar, 25mm</b>
Pack Qty	10



<b>PP3500.12.006</b>	<b>Octagonal Shape Stirring Bar, 10mm</b>
Pack Qty	10



<b>PP3500.12.007</b>	<b>Octagonal Shape Stirring Bar, 25mm</b>
Pack Qty	10



<b>PP3500.12.008</b>	<b>Octagonal Shape Stirring Bar, 30mm</b>
Pack Qty	10



<b>PP3500.12.009</b>	<b>Cylindrical Shape Stirring Bar, 35mm</b>
Pack Qty	10

## Chiller & Accessories



<b>PP3500.13.001</b>	<b>Minichil 3500</b>
Temperature range	0 °C to 40°C
Temperature Stability	± 0.5 °C
Cooling Capacity	3.0 kW @ 15 °C 2.0 kW @ 5 °C 1.5 kW @ 0 °C
Cooling	Air Cooled
Flow rate	20LPM @ 1bar
Media	Water
Make	Polmon
Dimensions	280 x 540 x 570 mm
Weight	60kg
Pack Qty	1



<b>PP3500.13.002</b>	<b>Silicon Tube with insulation – 2m length + 3/8” Quick Coupling Connectors</b>
Pack Qty	1