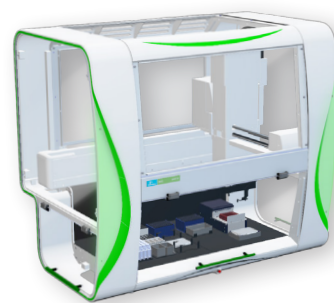
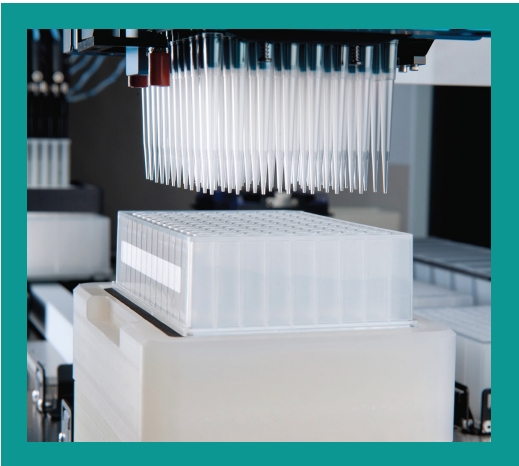
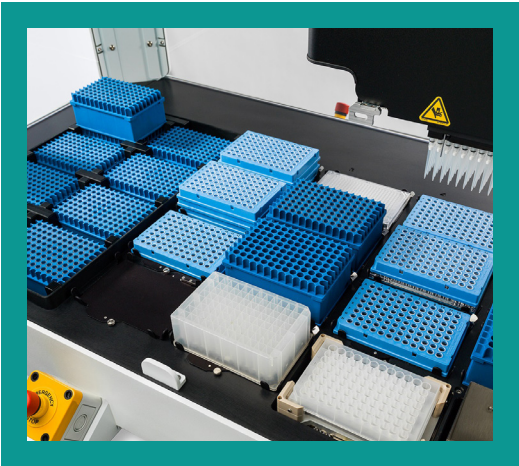


**AUTOMATE YOUR  
RESEARCH FROM  
BENCH TO CLINIC**





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## INTRODUCTION

### **User Friendly Liquid Handling Workstations**

Automation workstations deliver application versatility with configuration flexibility in throughput, capacity and dynamic volume range.

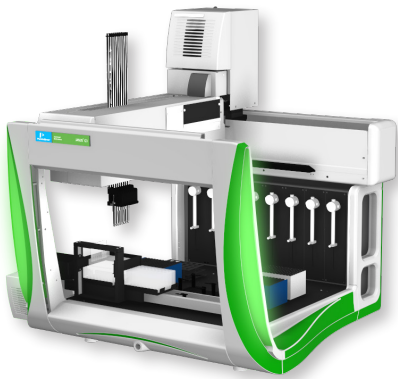
A wide choice of liquid handling deck designs, throughput and preprogrammed methods facilitate seamless integration into your workflow sample prep whether your research includes mass spec, HPLC, multimode plate readers, high content analysis, sequencing or more.

Applications support starts from the delivery of your instrument. Our goal is for you to be up and running samples quickly with the confidence that your research is supported by our team of field scientists, user groups and training opportunities. Speak with your local account team to learn about the products best suited for your specific requirements.

PerkinElmer G3 Automated Workstations deliver real-time and future adaptability in throughput, capacity, and dynamic volume range for consistent and reproducible sample preparation. A wide choice of liquid handling deck designs, throughput and preprogrammed methods facilitate seamless integration into your workflow sample prep whether your research includes mass spec, HPLC, multimode plate readers, high content analysis, sequencing or more.

### JANUS® G3

The JANUS instrument family includes four workstations, the Mini, Standard, Integrator, and Expanded platforms, providing complete flexibility to best suit your particular application and deck capacity requirements; additionally, NGS and Biotherapeutics application specific workstations designed with customer input for optimal automated NGS library preparation and small scale purification, respectively.



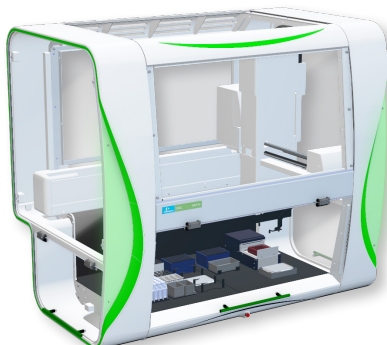
#### JANUS G3

The JANUS G3 Automated Workstation offers multiple pipetting technologies on a single instrument platform. The instrument consists of a modular platform that expands with flexible 4- or 8-tip Varispan™ arm, providing an automated liquid handling solution with flexibility in throughput, plate capacity, and dynamic volume range from 0.5 µl to 5000 µl. JANUS G3 WinPREP user friendly software with Application Assistant interface provides “drag-and-drop” applications programming without complexity.



#### JANUS G3 NGS Express

The JANUS G3 NGS Express workstation uses an intuitive library-prep interface for fragment library preparation, amplicon sequencing, target capture, and sample normalization. It's the perfect complement for benchtop sequencers such as the Ion PGM™ and Illumina MiSeq® systems.



#### JANUS G3 BioTx Pro and Pro Plus

The JANUS BioTx Workstation accommodates column, tip and batch chromatography modes on one platform. With just one instrument, you can achieve rapid analysis of a range of sample volumes and concentrations to support Quality by Design experimentation in both upstream or downstream processes. Choose from two deck designs to accommodate your throughput needs.

## PIPETTING OPTIONS

### Pipetting Options for Varispan™ Arm

#### 4-Tip Pipetting Kits

7001523	83.7 mm Fixed Tip Option <ul style="list-style-type: none"> <li>PTFE coated tips, qty 4</li> </ul>
7002356	VersaTip PLUS RoboRack Kit, JANUS G3 <p><b>Includes:</b></p> <ul style="list-style-type: none"> <li>Four (4) VersaTip PLUS adapters</li> <li>Four (4) tip stripper collars</li> <li>Hanging tip rack holder for 1000 µl disposable tips</li> <li>Disposable tip starter package</li> <li>Five (5) biohazard bags</li> </ul>
7002349	Low Volume DT Option <p><b>Includes:</b></p> <ul style="list-style-type: none"> <li>Four (4) 250 µl syringes and application software diskette</li> <li>Requires 7002356</li> </ul>
7002350	Low Volume Fixed Tip Option <p><b>Includes:</b></p> <ul style="list-style-type: none"> <li>Four (4) low volume pipette tips, 250 µl syringes, reduced diameter tubing fittings and application software diskette</li> </ul>
7005395	Shortened VersaTip <p><b>Includes:</b></p> <ul style="list-style-type: none"> <li>Four (4) shortened VersaTip PLUS adapters</li> <li>Four (4) shortened tip stripper collars</li> <li>Hanging tip rack holder for 1000 µl disposable tips</li> <li>40 mm Calibration cone</li> <li>Disposable tip starter package</li> </ul>

#### 4-Tip Syringe Kits\*

7002338	250 µl syringe assembly, 4-tip
7002340	500 µl syringe assembly, 4-tip
7002339	1 ml syringe assembly, 4-tip
7002345	2.5 ml syringe assembly, 4-tip
7002354	5.0 ml syringe assembly, 4-tip



10 ml Syringe



500 µL Syringe



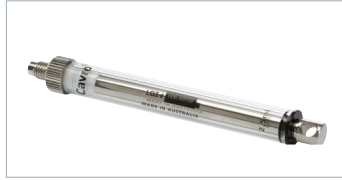
250 µL Syringe

# G3 Automated Liquid Handling Workstations

## PIPETTING OPTIONS



1 ml Syringe



2.5 ml Syringe



5 ml Syringe

### 8-Tip Pipetting Kits

7002065	83.7 mm Fixed Tip HD Option <ul style="list-style-type: none"> <li>PTFE coated tips, qty 8</li> </ul>
7002357	VersaTip HD PLUS RoboRack Option, JANUS G3 <p><b>Includes:</b></p> <ul style="list-style-type: none"> <li>Eight (8) VersaTip PLUS adapters</li> <li>Eight (8) tip stripper collars</li> <li>Hanging tip rack holder for 1000 µl disposable tips</li> <li>Disposable tip starter package</li> <li>Five (5) biohazard bags</li> </ul>
7002348	Low Volume DT Option <p><b>Includes:</b></p> <ul style="list-style-type: none"> <li>Eight (8) 250 µl syringes and application software diskette</li> <li>Requires 7002357</li> </ul>
7002347	Low Volume Fixed Tip HD Option <p><b>Includes:</b></p> <ul style="list-style-type: none"> <li>Eight (8) low volume HD pipette tips, 250 µl syringes, reduced diameter tubing, fittings and application software diskette</li> </ul>
7005394	Shortened VersaTip Kit <p><b>Includes:</b></p> <ul style="list-style-type: none"> <li>Eight (8) shortened VersaTip PLUS adapters</li> <li>Eight (8) shortened tip stripper collars</li> <li>Hanging tip rack holder for 1000 µl disposable tips</li> <li>40 mm Calibration cone</li> <li>Disposable tip starter package</li> </ul>

### 8-Tip Syringe Kits\*

7002342	250 µl syringe assembly, 8-tip
7002344	500 µl syringe assembly, 8-tip
7002343	1 ml syringe assembly, 8-tip
7002346	2.5 ml syringe assembly, 8-tip
7002355	5.0 ml syringe assembly, 8-tip

### Six Way Valve Option

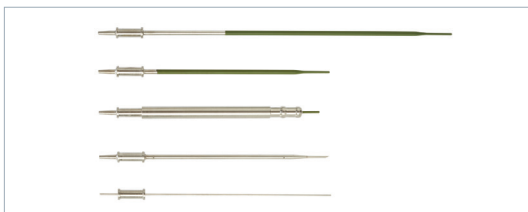
The six way valve consists of a six-port external valve integrated with WinPREP® software which allows you to dispense up to six different system fluids. The kit includes the valve, necessary tubing and connectors, PTFE adapter, integration software, and operator's manual. This kit can be used on the 4-tip and 8-tip Varispan® arm units.

7006644	Six Way Valve Option, JANUS G3
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\* 10 ml syringe kits are available for both 4-tip and 8-tip Varispan™ systems

# G3 Automated Liquid Handling Workstations

## PIPETTING OPTIONS



4-tip pipetting tips



8-tip pipetting tips

### Pipetting Options for MDT

#### MDT Dispense Heads

70243540	P235/96 MDT Disposable Tip Head (96-tip)
70243541	P50/96 MDT Disposable Tip Head (96-tip)
70243570	P30/384 MDT Disposable Tip Head (384-tip)
7406746	MDT NanoHead (384-tip)
7406748	MDT Protein NanoHead (384-tip)

#### MDT Serial Dilution Tools

Serial Dilution Tools are a suite of interchangeable dispense head tools that allows the JANUS G3 Modular Dispense Technology™ (MDT) head to pick up a single row or a single column of disposable tips from a standard full box of disposable tips for aspirate and dispense operations. Subsequent to the tip attachment, the tool has the ability to discard the single row or column of tips and continue to acquire single rows or columns of tips from the disposable tip box until the box is exhausted.

All serial dilution tools require a specific docking station and tip box support as defined below.

7400304	<p>MDT I200RC Serial Dilution Tool</p> <ul style="list-style-type: none"> <li>Allows for single left column or top row pickup of disposable tips</li> <li>Compatible with the MDT P235 disposable tip</li> </ul>
7400305	<p>MDT I50R Serial Dilution Tool</p> <ul style="list-style-type: none"> <li>Allows for single top row pickup of disposable tips</li> <li>Compatible with the MDT P50 and P20 disposable tip</li> </ul>
7400306	<p>MDT I50C Serial Dilution Tool</p> <ul style="list-style-type: none"> <li>Allows for single left column pickup of disposable tips</li> <li>Compatible with the MDT P50 and P20 disposable tip</li> </ul>
7400307	<p>MDT I30RC Serial Dilution Tool</p> <ul style="list-style-type: none"> <li>Allows for single left column or top row pickup of disposable tips</li> <li>Compatible with the MDT P30 and P10 disposable tip</li> </ul>
7400308	<p>Tip Box Support, Serial Dilution Tool</p> <ul style="list-style-type: none"> <li>Required for loading tips with the Serial Dilution Tools</li> <li>Compatible with all MDT disposable tips</li> </ul>
7400309	<p>Docking Station, Serial Dilution Tool</p> <ul style="list-style-type: none"> <li>Required for loading and unloading the Serial Dilution Tools</li> <li>Compatible with all Serial Dilution Tools</li> </ul>

#### Septum Piercing Option

Stainless steel septa piercing probes pierce deep well plates with sealing mats and septa capped 1 dram (4 mL) vials.

7006648	Septum Piercing Option, Varispan™ 4-Tip
7006667	Septum Piercing Option, Varispan™ 8-Tip

## DISPOSABLE TIPS

### Varispan™ Arm Disposable Tips

Each case of Varispan disposable tips are sold in quantities of 960 tips which are packaged as 10 RoboRacks™, with 96 tips per RoboRack. The only exception are the 1000 µl disposable tips – these tips are racked in hanging tip racks and require the hanging tip rack (7607537). Unless otherwise noted, all PerkinElmer disposable tips are made from medical grade 100% virgin polypropylene. RoboRacks are compatible with the PlateStak® and JANUS G3 gripper options.

6000677	20 µl, Clear, Non-Conductive Tips ▪ Volume range 1 µl to 11 µl
6000679	20 µl, Conductive Tips ▪ Volume range 1 µl to 11 µl
6000675	20 µl, MALDI Spotting Tips, Clear, Non-Conductive ▪ Volume range 1 µl to 11 µl
6001263	50 µl, Clear, Non-Conductive Tips ▪ Volume range 0.5 µl to 50 µl
6001264	50 µl, Conductive Tips ▪ Volume range 0.5 µl to 50 µl
6000681	200 µl, Clear, Non-Conductive Tips ▪ Volume range 10 µl to 200 µl
6000683	200 µl, Conductive Tips ▪ Volume range 10 µl to 200 µl
6001250	200 µl, Conductive Tips ▪ Volume range 10 µl to 200 µl
6001253	1000 µl, Clear, Non-Conductive Tips ▪ Volume Range 100 µl to 1000 µl
6001282	1000 µl, Conductive Tips, Wide Bore ▪ Volume range 100 µl to 1000 µl
6902013	5 mL Clear Tips
6902014	5 mL Conductive Tips
6902015	5 mL Clear Tips, Non-Conductive, Filter Tips
6902016	5 mL Conductive Tips, Filter Tips



20 µl Clear, Non-conductive Tip (Item # 6000677)



20 µl Non-conductive Tip (Item # 6000679)



# G3 Automated Liquid Handling Workstations

## DISPOSABLE TIPS



1000 µl Conductive Tips (Item# 6000655) as shown in a hanging tip rack and without

6000655	1000 µl, Conductive Tips <ul style="list-style-type: none"> <li>▪ Volume range 100 µl to 1000 µl</li> </ul>
6001251	1000 µl, Conductive Tips <ul style="list-style-type: none"> <li>▪ Volume range 100 µl to 1000 µl</li> </ul>
6001260	1000 µl, Conductive Tips, qty 4,800 <ul style="list-style-type: none"> <li>▪ Volume range 100 µl to 1000 µl</li> </ul>
6000691	25 µl, Conductive, Filter Tips <ul style="list-style-type: none"> <li>▪ Volume range 1 µl to 25 µl</li> </ul>
6000689	25 µl, Clear, Non-Conductive, Filter Tips <ul style="list-style-type: none"> <li>▪ Volume range 1 µl to 25 µl</li> </ul>
6000687	175 µl, Conductive, Filter Tips <ul style="list-style-type: none"> <li>▪ Volume range 10 µl to 175 µl</li> </ul>
6000685	175 µl, Clear, Non-Conductive, Filter Tips <ul style="list-style-type: none"> <li>▪ Volume range 10 µl to 175 µl</li> </ul>
6001256	900 µl Filter Tip, Conductive <ul style="list-style-type: none"> <li>▪ Volume range 100 µl to 900 µl</li> </ul>
6001262	900 µl Filter Tip, Clear <ul style="list-style-type: none"> <li>▪ Volume range 100 µl to 900 µl</li> </ul>
7000277	RoboRack Starter Kit <p><b>Includes:</b></p> <ul style="list-style-type: none"> <li>▪ Three (3) RoboRacks of 20 µL and 200 µL conductive tips and software</li> <li>▪ Diskette that includes the labware definitions and performance files</li> <li>▪ RoboRacks are compatible with the Plate-Adapter Support Tile</li> <li>▪ RoboRacks are compatible with the PlateStak and Gripper</li> </ul>
7600030	25 µl/175 µl Filter Tip Option Assembly <p><b>Includes</b></p> <ul style="list-style-type: none"> <li>▪ Two (2) 25 µL Conductive RoboRack tips</li> <li>▪ Two (2) 25 µl Clear RoboRack tips</li> <li>▪ Two (2) 175 µl Conductive RoboRack tips</li> <li>▪ Two (2) 175 µl Clear RoboRack tips</li> <li>▪ Software including labware definitions and performance files</li> <li>▪ Instruction guide</li> </ul>

### MDT Arm Disposable Tips

Each case of 96- and 384-channel disposable tips are sold in quantities of 50 RoboRacks per case. The following disposable tips require the use of the Auto Tip Load (PN 70227630) to properly load tips on the MDT dispense head. Unless otherwise noted, all PerkinElmer disposable tips are made from medical grade 100% virgin polypropylene. RoboRacks are compatible with the PlateStak and JANUS G3 gripper options.

### For use with 96 channel

The following are compatible with the **P235 MDT Dispense Head**:

6001295	P235 MDT Non-Sterile Tips <ul style="list-style-type: none"> <li>Volume range 5 µl to 235 µl</li> </ul>
6001296	P235 MDT Tips <ul style="list-style-type: none"> <li>Volume range 5 µl to 235 µl</li> </ul>
6001297	P235 MDT Non-Sterile Tips, Black <ul style="list-style-type: none"> <li>Volume range 5 µl to 235 µl</li> </ul>
6001305	P235 MDT Wide Bore, Non-Sterile, Clear <ul style="list-style-type: none"> <li>Volume range 5 µl to 235 µl</li> </ul>
6001306	P235 MDT Wide Bore, Clear <ul style="list-style-type: none"> <li>Volume range 5 µl to 235 µl</li> </ul>
6001288	P235 MDT Filter Tips, Clear <ul style="list-style-type: none"> <li>Volume range 5 µl to 190 µl</li> </ul>
6001289	P235 MDT Filter Tips, Clear <ul style="list-style-type: none"> <li>Volume range 5 µl to 190 µl</li> </ul>

The following are compatible with the **P50 MDT Dispense Head**:

6001293	P50 MDT Non-Sterile Tips <ul style="list-style-type: none"> <li>Volume range 0.5 µl to 50 µl</li> </ul>
6001294	P50 MDT Tips <ul style="list-style-type: none"> <li>Volume range 0.5 µl to 50 µl</li> </ul>
6001307	P50 MDT Non-Sterile, Black <ul style="list-style-type: none"> <li>Volume range 0.5 µl to 50 µl</li> </ul>
6001301	P50 MDT Filter Tips, Clear <ul style="list-style-type: none"> <li>Volume range 0.5 µl to 40 µl</li> </ul>
6001302	P50 MDT Filter Tips, Clear <ul style="list-style-type: none"> <li>Volume range 0.5 µl to 40 µl</li> </ul>
6001290	P20 MDT Non-Sterile, Clear <ul style="list-style-type: none"> <li>Volume range 0.5 µl to 20 µl</li> </ul>
6001291	P20 MDT Tips, Clear <ul style="list-style-type: none"> <li>Volume range 0.5 µl to 20 µl</li> </ul>

### For use with 384 channel

The following are compatible with the **P30 MDT Dispense Head**:

6001286	P30 MDT Non-Sterile, Clear <ul style="list-style-type: none"> <li>Volume range 0.5 <math>\mu</math>l to 30 <math>\mu</math>l</li> </ul>
6001287	P30 MDT Clear <ul style="list-style-type: none"> <li>Volume range 0.5 <math>\mu</math>l to 30 <math>\mu</math>l</li> </ul>
6001298	P30 MDT Filter, Non-Sterile, Clear <ul style="list-style-type: none"> <li>Volume range 0.5 to 30 <math>\mu</math>l</li> </ul>
6001299	P30 MDT Filter, Clear <ul style="list-style-type: none"> <li>Volume range 0.5 <math>\mu</math>l to 30 <math>\mu</math>l</li> </ul>
6001303	P30 MDT Non-Sterile, 96/rack, 384 Box <ul style="list-style-type: none"> <li>Volume range 0.5 <math>\mu</math>l to 30 <math>\mu</math>l</li> </ul>
6001304	P30 MDT 96/rack, 384 Box <ul style="list-style-type: none"> <li>Volume range 0.5 <math>\mu</math>l to 30 <math>\mu</math>l</li> </ul>
6001292	P10 MDT Non-Sterile, Clear <ul style="list-style-type: none"> <li>Volume range 0.5 <math>\mu</math>l to 10 <math>\mu</math>l</li> </ul>
6001300	P10 MDT Filter Tips, Clear <ul style="list-style-type: none"> <li>Volume range 0.5 <math>\mu</math>l to 10 <math>\mu</math>l</li> </ul>



P50 MDT Non-sterile Tips as shown per case (Item # 6001307)



Individual view of P50 MDT Non-Sterile Tips (Item # 6001307)

## LABWARE AND RACKS

### Varispan™ Arm Support Tiles

7601836	Plate Adapter Support Tile
7601657	Short Elevated Support Tile
7601658	Tall Elevated Support Tile
7005048	Six Plate Support Tile
7005312	Plateloft, Short
7005313	Plateloft, Tall

### Modular Dispense Technology (MDT) Arm Support Tiles

7401025	MDT Short Plate Support Tile
7401026	MDT Medium Plate Support Tile
7401027	MDT Tall Plate Support Tile
7607701	MDT Extra Tall Plate Support Tile

### Tube and Vial Racks

7601644	Small Vial Adapter, 6 position
7601645	Large Vial Adapter, 4 position
7601648	12 mm Tube Rack, Vial-192 Position
7601649	16 mm Tube Rack, Vial-96 Position
7601650	17 mm Tube Rack, Vial-96 Position
5084120	12 mm Stainless Steel Tube Rack, Vial-192 Position
5088409	13 mm Stainless Steel Tube Rack, Vial-192 Position
5084128	16 mm Stainless Steel Tube Rack, Vial-96 Position
5079847	1.5 ml Stainless Microfuge Rack, 24 position
7601651	1.5 ml Microfuge Adapter, 24 position
7601662	0.5 ml Microfuge Adapter, 24 position
7650667	17 mm 24 position Tube Rack

### MDT Loading Stations

70243680	MDT Arm Docking Station
70227630	MDT Arm Auto Tip Load



Plate Adapter Support Tile (Item# 7601836)



Elevated Plate Support Tile (Item#760157)

# G3 Automated Liquid Handling Workstations

## LABWARE AND RACKS



Vial Adapters



Rack



Rack

### Disposable Tip Support Racks

7607537	Hanging Tip Rack Holder, 1 ml disposable tips
7600188	Hanging Tip Rack Holder, 5 ml disposable tips

### Tip Washing Stations

70227791	MDT Tipwash, 115 V
70227792	MDT Tipwash, 220 V
7000079	MDT Tipwash, 96 channel washbowl, 115 V
7000085	MDT Tipwash, 96 channel washbowl, 220 V
7400062	96 channel washbowl
7009583	MDT NanoHead Ultrasonic Wash Station, 115 V
7009584	MDT NanoHead Ultrasonic Wash Station, 220 V
70235091	96 Pin Tool Wash, 115 V
70235092	96 Pin Tool Wash, 220 V
70233481	384 Pin Tool Wash, 115 V
70233482	384 Pin Tool Wash, 220 V
7607547*	Tip chute/Washbowl Rack, 8-tip
7601647*	Tip chute/Washbowl Rack, 4-tip

\* For Varispan™ Arm Only

### Waste Disposal

7005308	Waste Chute
7607542	Tip chute/Trough rack, 8-tip



Rack



Rack



Tip Chute (Item# 7607542)

### PIPETTING OPTIONS

Reagent Racks	
7024401	Reagent Reservoir Base, Polypropylene Bottles <ul style="list-style-type: none"> <li>▪ Trough compatible with both Varispan™ and MDT arms</li> <li>▪ Requires a bottle assembly (7024403, 7024404)</li> </ul>
7024400	Reagent Reservoir Base, Glass Bottles <ul style="list-style-type: none"> <li>▪ Trough compatible with both Varispan™ and MDT arms</li> <li>▪ Requires a bottle assembly (70205170, 70205160, 70205150)</li> </ul>
70205170	Glass Bottle and Valve Assembly, 250 ml
70205160	Glass Bottle and Valve Assembly, 480 ml
70205150	Glass Bottle and Valve Assembly, 960 ml
7024403	Polypropylene Bottle and Valve Assembly, 480 ml
7024404	Polypropylene Bottle and Valve Assembly, 960 ml
70234791	MDT Auto Replenish Assembly, 115 V Provides for automatic refill of reagent in the reagent cartridge
70234792	MDT Auto Replenish Assembly, 220 V Provides for automatic refill of reagent in the reagent cartridge
70233790	Varispan™ Arm Reagent Reservoir <ul style="list-style-type: none"> <li>▪ Trough compatible with Varispan™ arm only</li> <li>▪ Requires a bottle assembly (70205170, 70205160, 70205150)</li> </ul>
5079598	Varispan™ 4 position, 60 ml Trough Holder <ul style="list-style-type: none"> <li>▪ Holds 4 x 60 ml troughs</li> </ul>

The following are compatible with the **4-tip pipetting arm only:**

7601646	Double Reagent Trough Holder, 4-tip
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The following are compatible with the **8-tip pipetting arm only:**

5078889	8-tip pipetting arm reagent trough tile <ul style="list-style-type: none"> <li>▪ Holds 2 x 150 ml troughs, 1 x small double trough and 1 x 150 ml trough or 2 x small double trough</li> </ul>
7607546	Washbowl / Trough rack, 8-tip <ul style="list-style-type: none"> <li>▪ Included with the purchase of a JANUS 8-tip platform</li> </ul>



Reagent Reservoir Base (Item# 7024400)



Glass Bottles

# G3 Automated Liquid Handling Workstations

## REAGENT RACKS AND CONTAINERS



Reagent troughs for use with 4-tip instruments



Reagent troughs for use with 8-tip instruments

### Varispan™ Arm Containers

#### Reagent Troughs

\*The following are compatible with the **4-tip pipetting arm**

6000577	Reagent Troughs (33 ml) qty 25
6000578	Reagent Troughs (33 ml) qty 50
6000581	Reagent Troughs (60 ml) qty 25
6000582	Reagent Troughs (60 ml) qty 50
6000583	Reagent Troughs (150 ml) qty 25
6000584	Reagent Troughs (150 ml) qty 50
6000585	Reagent Trough Starter Package

\*The following are compatible with the **8-tip pipetting arm**

6000661	Reagent Troughs (double 25 ml), qty 25
6000662	Reagent Troughs (double 25 ml), qty 50
6000663	Reagent Troughs (150 ml), qty 25
6000664	Reagent Troughs (150 ml), qty 50
6008103	Reagent Troughs (60 ml), qty 25
6008104	Reagent Troughs (60 ml), qty 50
6000665	Reagent Trough Starter Package

### Replacement Reagent Bottles

For Varispan™ Arm Reagent Reservoir (PN 70233790) and MDT Arm Bottle Replenish (PN's 70234310, 70234320, 70233780)

70205170	Glass Bottle and Valve Assembly, 250 ml
70205160	Glass Bottle and Valve Assembly, 480 ml
70205150	Glass Bottle and Valve Assembly, 960 ml

## TEMPERATURE CONTROL OPTIONS

Heating Only Options	
7002363	<p>Heater with Controller, Single Tile, 110 V</p> <ul style="list-style-type: none"> <li>▪ Provides microplate temperature control for one (1) SBS standard microplate</li> <li>▪ Temperature range ambient to 70 °C</li> <li>▪ Temperature is manually adjusted on the heater controller unit</li> <li>▪ Includes one Heater Plate Adapter Support Tile and one temperature control unit</li> <li>▪ These tiles are not compatible with the Gripper</li> <li>▪ Can be controlled through WinPREP via the Quad AC Relay Box (7005006)</li> </ul>
7002364	<p>Heater with Controller, Single Tile, 220 V</p> <ul style="list-style-type: none"> <li>▪ Provides microplate temperature control for one (1) SBS standard microplate</li> <li>▪ Temperature range ambient to 70 °C</li> <li>▪ Temperature is manually adjusted on the heater controller unit</li> <li>▪ Includes one Heater Plate Adapter Support Tile and one temperature control unit</li> <li>▪ These tiles are not compatible with the Gripper</li> <li>▪ Can be controlled through WinPREP via the Quad AC Relay Box (7005006)</li> </ul>
7002365	<p>Heater with Controller, 4 tiles, 110 V</p> <ul style="list-style-type: none"> <li>▪ Provides microplate temperature control for four (4) SBS standard microplates</li> <li>▪ Temperature range ambient to 70 °C</li> <li>▪ Temperature is manually adjusted on the heater controller unit</li> <li>▪ Includes four (4) Heater Plate Adapter Support Tiles and one temperature controller unit capable of controlling all four tiles at one temperature</li> <li>▪ These tiles are not compatible with the Gripper</li> <li>▪ Can be controlled through WinPREP via the Quad AC Relay Box (7005006)</li> </ul>
7002366	<p>Heater with Controller, 4 tiles, 220 V</p> <ul style="list-style-type: none"> <li>▪ Provides microplate temperature control for four (4) SBS standard microplates</li> <li>▪ Temperature range ambient to 70 °C</li> <li>▪ Temperature is manually adjusted on the heater controller unit</li> <li>▪ Includes four (4) Heater Plate Adapter Support Tiles and one temperature controller unit capable of controlling all four tiles at one temperature</li> <li>▪ These tiles are not compatible with the Gripper</li> <li>▪ Can be controlled through WinPREP via the Quad AC Relay Box (7005006)</li> </ul>



# G3 Automated Liquid Handling Workstations

## TEMPERATURE CONTROL OPTIONS

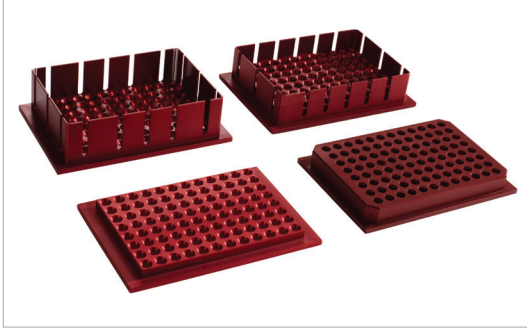


Auto Heater Controller Option (Item# 7002367)

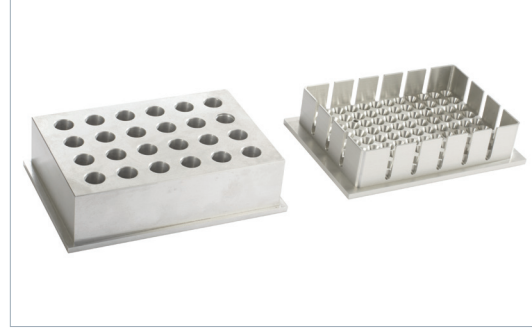
7002367	<p>Auto Heater Controller Option, 70 °C, 110 V</p> <ul style="list-style-type: none"> <li>▪ Provides microplate temperature control for four (4) SBS standard microplates</li> <li>▪ Temperature range ambient to 70 °C</li> <li>▪ Temperature is adjusted through software control</li> <li>▪ Includes four (4) Heater Plate Adapter Support Tiles and one temperature controller unit capable of controlling all four tiles at one temperature</li> <li>▪ Controlled via RS232 communication</li> </ul>
7002368	<p>Auto Heater Controller Option, 70 °C, 220 V</p> <ul style="list-style-type: none"> <li>▪ Provides microplate temperature control for four (4) SBS standard microplates</li> <li>▪ Temperature range ambient to 70 °C</li> <li>▪ Temperature is adjusted through software control</li> <li>▪ Includes four (4) Heater Plate Adapter Support Tiles and one temperature controller unit capable of controlling all four tiles at one temperature</li> <li>▪ Controlled via RS232 communication</li> </ul>
7005003	<p>HT Quad Heater Option, 70 °C, 110 V</p> <ul style="list-style-type: none"> <li>▪ Provides microplate temperature control for four (4) SBS standard microplates</li> <li>▪ Temperature range ambient to 70 °C for two tiles and ambient to 105 °C for the other two tiles</li> <li>▪ Temperature is adjusted through software control</li> <li>▪ Includes four (4) Heater Plate Adapter Support Tiles and one temperature controller unit capable of controlling all four tiles at one temperature</li> <li>▪ Controlled via RS232 communication</li> </ul>
7005004	<p>HT Quad Heater Option, 70 °C, 220 V</p> <ul style="list-style-type: none"> <li>▪ Provides microplate temperature control for four (4) SBS standard microplates</li> <li>▪ Temperature range ambient to 70 °C for two tiles and ambient to 105 °C for the other two tiles</li> <li>▪ Temperature is adjusted through software control</li> <li>▪ Includes four (4) Heater Plate Adapter Support Tiles and one temperature controller unit capable of controlling all four tiles at one temperature</li> <li>▪ Controlled via RS232 communication</li> </ul>

# G3 Automated Liquid Handling Workstations

## TEMPERATURE CONTROL OPTIONS



Heat Blocks



Heat Blocks

### Heat Transfer Blocks

Used in conjunction with the tiles of the heaters listed under *Heating Only Temperature Control Options* (above) to provide uniform and reliable temperature across a variety of round bottom, PCR, and deepwell 96-well microplates.

5080165	U-bottom Heat Transfer Block, 96 well
5083083	V-bottom Heat Transfer Block, 96 well
5083082	1.2 ml Deepwell Heat Transfer Block, 96 well
5080163	PCR Heat Transfer Block, 96 well
5088440	10 mm vial/tube Heat Transfer Block, 24 well
5088444	10 mm vial Heat Transfer Block, 48 well
5085506	Slicprep Heater Block

### Heating and Cooling

#### Thermal Block Options

7400353	<p>Single Position Thermal Block Kit</p> <ul style="list-style-type: none"> <li>Provides single position temperature control using a circulator</li> <li>Compatible with 96-, 384-, and 1536-well SBS standard microplates, 96 PCR plates, 384 PCR plates, tubes, and reagent troughs</li> <li>Temperature range 4 °C – 90 °C (based on circulator)</li> <li>Temperature controlled through software control</li> <li>Requires 7400356/7400357 Circulator</li> </ul>
7400354	<p>Four Position Thermal Block Kit</p> <ul style="list-style-type: none"> <li>Provides up to four positions for temperature control using a circulator</li> <li>Compatible with 96-, 384-, and 1536-well SBS standard microplates, 96 PCR plates, 384 PCR plates, tubes, and reagent troughs</li> <li>Temperature range 4 °C – 90 °C (based on circulator)</li> <li>Temperature controlled through software control</li> <li>Requires 7400356/7400357 Circulator</li> </ul>
7400355	<p>Eight Position Thermal Block Kit</p> <ul style="list-style-type: none"> <li>Provides up to four positions for temperature control using a circulator. Compatible with 96-, 384-, and 1536-well SBS standard microplates, 96 PCR plates, 384 PCR plates, tubes, and reagent troughs</li> <li>Temperature range 4 °C – 90 °C (based on circulator)</li> <li>Temperature controlled through software control</li> <li>Requires 7400356/7400357 Circulator</li> </ul>

#### Thermal Block Adapter Tiles

The following are used in conjunction with the thermal block options to provide uniform and reliable temperature across microplates or tubes. Additional thermal blocks and custom adapter inserts are also available through Integration Solutions.

5085823	96 round bottom insert, thermal block
5085824	96 PCR insert, thermal block
5085826	1.5 ml conical tube insert, 24 pos, thermal block
5085827	<p>60 ml x 4 reagent trough insert, thermal block</p> <ul style="list-style-type: none"> <li>Compatible with the 60 ml reagent troughs (6008103, 6008104)</li> </ul>



Reagent Trough Insert for use with Thermal Block Options (Item# 5085827)

### Thermal Block Circulator (Required)

The circulator kit provides the circulator and all of the necessary tubing for complete operation of the thermal block option.

7400356	Circulator and Install Kit, 110 V
7400357	Circulator and Install Kit, 220 V*

\*This kit includes the circulator and tubing required for operation of the thermal block option.

### Thermal Block Manifolds

The manifold options allow for connection of more than one thermal block to a single circulator. All thermal block positions would be maintained at the same temperature. NOTE: the thermal block temperature control option cannot exceed twelve (12) positions when operated by a single circulator.

7600114	2-way manifold, thermal block
7600115	3-way manifold, thermal block

### Thermal Cycler

The integrated thermal cycler option utilizes the Inheco On Deck Thermal Cycler (ODTC). This option offers a fully integrated WinPREP solution for managing temperature from 4 °C to 99 °C within semi- and fully skirted 96- and 384- well PCR plates. There are options for the exhaust air duct so heat dissipation does not disrupt the application setup on the JANUS G3 instrument deck.

CLS145047	<p>ODTC 96 Integration, right exhaust</p> <ul style="list-style-type: none"> <li>Provides self-contained temperature control for 96-well PCR microplates</li> <li>Includes ODTC, locating hardware, WinPREP software communication, and User Manual</li> </ul>
CLS145048	<p>ODTC 96 Integration, left exhaust</p> <ul style="list-style-type: none"> <li>Provides self-contained temperature control for 96-well PCR microplates</li> <li>Includes ODTC, locating hardware, WinPREP software communication, and User Manual</li> </ul>
CLS145049	<p>ODTC 96 Integration, back exhaust</p> <ul style="list-style-type: none"> <li>Provides self-contained temperature control for 96-well PCR microplates</li> <li>Includes ODTC, locating hardware, WinPREP software communication, and User Manual</li> </ul>
CLS145050	<p>ODTC 384 Integration, right exhaust</p> <ul style="list-style-type: none"> <li>Provides self-contained temperature control for 384-well PCR microplates</li> <li>Includes ODTC, locating hardware, WinPREP software communication, and User Manual</li> </ul>
CLS145051	<p>ODTC 384 Integration, left exhaust</p> <ul style="list-style-type: none"> <li>Provides self-contained temperature control for 384-well PCR microplates</li> <li>Includes ODTC, locating hardware, WinPREP software communication, and User Manual</li> </ul>
CLS145052	<p>ODTC 384 Integration, back exhaust</p> <ul style="list-style-type: none"> <li>Provides self-contained temperature control for 384-well PCR microplates</li> <li>Includes ODTC, locating hardware, WinPREP software communication, and User Manual</li> </ul>

## G3 Automated Liquid Handling Workstations

### TEMPERATURE CONTROL OPTIONS

#### Peltier Heating and Cooling

Proper configuration of the Peltier-based temperature control options requires selection of the Peltier device AND at least one adapter tile that is specific to the plate or tube that will be used with the selected device. Operation of the Peltier device requires the INHECO MTC Controller for JANUS G3 option.

This controller is capable of controlling up to six Peltier devices.

#### Peltier Device (Requires the INHECO MTC Controller for JANUS (7005304) for operation)

7005301	<p>INHECO Single Tile Peltier Device</p> <ul style="list-style-type: none"> <li>▪ Provides single position Peltier-based temperature control</li> <li>▪ Compatible with 96, 384, and 1536 well SBS standard microplates, 96 PCR plates, 384 PCR plates, and 1.5 ml tubes</li> <li>▪ Temperature range 4 °C – 70 °C</li> <li>▪ Temperature controlled through software control</li> <li>▪ Controlled via the INHECO MTC Controller. This controller utilizes a USB port</li> <li>▪ <b>Requires a separate adapter tile specific to the plate type or tube; and is not included in this option (must be ordered separately)</b></li> </ul>
7005302	<p>INHECO Thermoshake Device</p> <ul style="list-style-type: none"> <li>▪ Provides Peltier-based temperature control and microplate shaking capability</li> <li>▪ Compatible with 96, 384, and 1536 well SBS standard microplates, 96 PCR plates, 384 PCR plates, and 1.5 ml tubes</li> <li>▪ Shaking speed 100 – 2000 rpm; amplitude 2 mm</li> <li>▪ Temperature range 4 °C – 70 °C</li> <li>▪ Speed and temperature are adjusted through software control</li> <li>▪ Self-centering zero position</li> <li>▪ Controlled via the INHECO MTC Controller. This controller utilizes a USB port</li> <li>▪ Flat bottom microplate adapter is provided with the Thermoshake</li> <li>▪ <b>Requires a separate adapter tile if using PCR plates or 1.5 ml tubes (must be ordered separately)</b></li> </ul>

#### Peltier Controllers

These controllers require a USB port for communication with the JANUS G3

7005304	<p>INHECO MTC Controller</p> <ul style="list-style-type: none"> <li>▪ Provides control for up to six (6) separate peltier devices</li> </ul>
7005371	<p>INHECO STC Controller</p> <ul style="list-style-type: none"> <li>▪ Provides control for one (1) single peltier device</li> </ul>

#### Heating and Cooling – Adapter Tiles (Peltier)

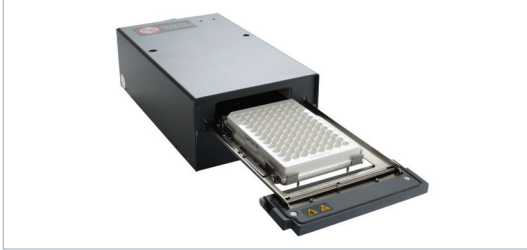
The following are used in conjunction with the Heating and Cooling Temperature Control Options to provide uniform and reliable temperature across microplates or tubes. Please refer to the specific option's descriptions for details.

##### \*For use with options 7005301:

5084695	Flat bottom microplate adapter tile
5084693	96-well PCR microplate adapter tile
5084694	384-well PCR microplate adapter tile
5084696	1.5 ml tube adapter tile, 24 positions

##### \*For use with options 7005302:

7005007	96-well PCR microplate, Thermoshake
7005008	384-well PCR microplate, Thermoshake
7005011	1.5 ml tube, Thermoshake, 24 positions



MP Incubator with exposed microplates (Item# 7005286)



MP Incubator (Item# 7005286)

### INHECO MP Incubators

The MP incubators offer self-contained temperature control for single microplates. These options are automation friendly via USB interface and can be used as a single device or stacked (daisy chained) for multiple plates. MP incubators are accessible with the JANUS G3 Gripper arm and can be physically located on the JANUS G3 instrument deck or as an ancillary device off-deck.

Proper configuration of the MP Incubator option requires selection of an incubator AND a locating tile.

### Incubator

7005286	<p>MP Incubator</p> <ul style="list-style-type: none"> <li>Provides self-contained temperature control for SBS standard microplates</li> <li>Temperature range ambient to 80 °C</li> <li>Includes incubator, WinPREP software communication, and User Manual</li> </ul>
7005287	<p>MP Incubator Shaker</p> <ul style="list-style-type: none"> <li>Provides self-contained temperature control and shaking capabilities for SBS standard microplates</li> <li>Temperature range ambient to 80 °C</li> <li>Shaking speed 400 – 1800 rpm; amplitude up to 3 mm</li> <li>Includes incubator, WinPREP software communication, and User Manual</li> </ul>

### Locating Tiles

7005297	<p>On-deck Locating Tile, MP Incubator</p> <ul style="list-style-type: none"> <li>Provides the ability to locate the MP Incubator on the JANUS G3 instrument deck</li> <li>Up to two (2) MP Incubators can be stacked with the use of this tile when being accessed by the Gripper arm</li> <li>Only one (1) MP Incubator can be used with this tile when being accessed by the Varispan™ arm, MDT arm, or MDT gripper option</li> <li>The MDT arm must be configured with an I235 head and P235 disposable tips in order to access the MP Incubator for pipetting purposes</li> <li>Only one (1) MP Incubator can be used when the device is located on a front on-deck position. Both the Gripper arm and Varispan™ arm will be able to access the incubator when placed in this position</li> </ul>
7005298	<p>Off-deck Locating Tile, MP Incubator</p> <ul style="list-style-type: none"> <li>Provides the ability to locate the MP Incubator on the JANUS G3 instrument deck</li> <li>Up to three (3) MP Incubators can be stacked with the use of this tile when being accessed by the Gripper arm</li> <li>The Varispan™ arm must use 1 ml, 200 µl, or 25 µl disposable tips in order to access all three positions of stacked incubators</li> <li>The MDT arm and MDT gripper option cannot access the MP Incubators when used with this tile</li> </ul>

## SHAKING OPTIONS

Shaking Options – Single Position	
70234110	<p>Variomag® Monoshake Plate Shaker</p> <ul style="list-style-type: none"> <li>▪ Provides microplate shaking capability</li> <li>▪ For use with 96- and 384-well SBS standard microplates</li> <li>▪ Speed 100 – 2000 rpm; amplitude 2 mm</li> <li>▪ Speed is manually adjusted on the unit</li> <li>▪ Self-centering zero position</li> </ul>
7002463	<p>Variomag® Teleshake Plate Shaker, 2 mm, 110 V</p> <ul style="list-style-type: none"> <li>▪ Provides microplate shaking capability</li> <li>▪ Suggested use with 96- and 384-well SBS standard microplates</li> <li>▪ Speed 100 – 2000 rpm; amplitude 2 mm</li> <li>▪ Speed adjusted through software control</li> <li>▪ Self-centering zero position</li> <li>▪ Controlled via RS232 communication</li> </ul>
7002464	<p>Variomag® Teleshake Plate Shaker, 2 mm, 220 V</p> <ul style="list-style-type: none"> <li>▪ Provides microplate shaking capability</li> <li>▪ Suggested use with 96- and 384-well SBS standard microplates</li> <li>▪ Speed 100 – 2000 rpm; amplitude 2 mm</li> <li>▪ Speed adjusted through software control</li> <li>▪ Self-centering zero position</li> <li>▪ Controlled via RS232 communication</li> </ul>
7002465	<p>Variomag® Teleshake Plate Shaker, 3 mm, 110 V</p> <ul style="list-style-type: none"> <li>▪ Provides microplate shaking capability</li> <li>▪ Suggested use with 96-, 384-, and 1536-well SBS standard microplates</li> <li>▪ Speed 100 – 2000 rpm; amplitude 3 mm</li> <li>▪ Speed adjusted through software control</li> <li>▪ Self-centering zero position</li> <li>▪ Controlled via RS232 communication</li> </ul>



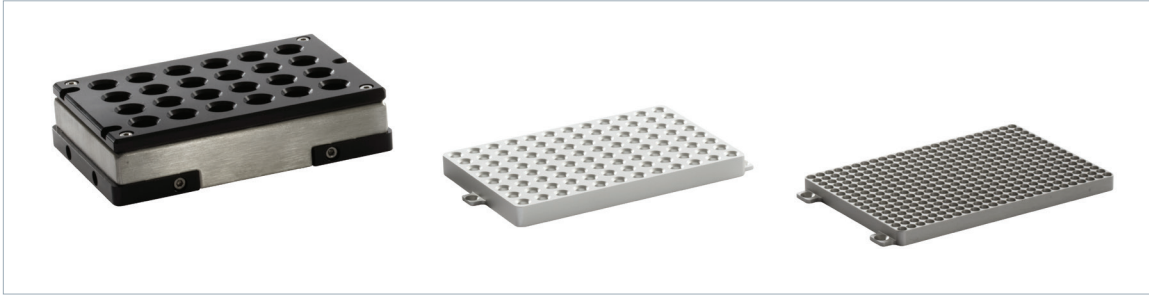
Teleshake 70



MP Incubator (Item# 7005286)

# G3 Automated Liquid Handling Workstations

## SHAKING OPTIONS



Thershake Adapters

7002466

Variomag® Teleshake Plate Shaker, 3 mm, 220 V

- Provides microplate shaking capability
- Suggested use with 96, 384, and 1536 well SBS standard microplates
- Speed 100 – 2000 rpm; amplitude 3 mm
- Speed adjusted through software control
- Self-centering zero position
- Controlled via RS232 communication

### Shaking Options – Multiple Position

7601922

DPC Shaker, JANUS G3

The DPC Shaker module kits allows integration of the DPC Shaker to the right of the *JANUS G3 Integrator platform only*

7005047

IKA Shaker, JANUS G3

- Accommodates up to 4 microplate positions
- Can be located on the JANUS G3 instrument deck, adjacent to the right-side of the JANUS G3 instrument, or on the angle bracket option
- Speed 80 – 800 rpm; amplitude 4 mm
- Speed adjusted through software control
- Self-centering zero position

### Thershake Adapter Tiles

The following are used in conjunction with the Heating and Cooling Temperature Control Options to provide uniform and reliable temperature across microplates or tubes. Please refer to the specific option's descriptions for details.

\*For use with INHECO Thershake Device option 7005302:

7005007	96 well PCR microplate, Thershake
7005008	384 well PCR microplate, Thershake
7005011	1.5 ml tubes, Thershake, 24 positions



## AUTOMATED EXTRACTION OPTIONS

Vacuum Filtration Options for Solid Phase Extraction (SPE)	
7002361	<p>Varispan™/PVM Gripper Arm</p> <p>Varispan™ and MDT pipetting arms can be used for volume transfers in this application. The integrated gripper arm or JANUS G3 Gripper Integration Platform must be used for full walk away capabilities including assembly/disassembly of the manifold. <i>Optional MDT gripper is not compatible with the PVM manifold.</i></p> <p><b>Includes:</b></p> <ul style="list-style-type: none"> <li>▪ PVM Vacuum Manifold plus spacers</li> <li>▪ PVM Base Tile (Right)</li> <li>▪ PVM Rest tile</li> <li>▪ Blot Tray</li> <li>▪ VCB100 Vacuum Control Box capable of two independent vacuum settings</li> <li>▪ SPE software template</li> <li>▪ Requires a vacuum supply – either house vacuum or the Gast Vacuum Pump</li> <li>▪ <b>Requires an AC Controller for automated control of the vacuum pump</b></li> </ul>
7002468	<p>MDT/MDT Gripper Option</p> <p>MDT and Varispan™ pipetting arms can be used for volume transfers in this application. The MDT gripper option must be used for full walk away capabilities including assembly/disassembly of the manifold. The integrated Gripper arm and JANUS G3 Gripper Integration Platform are not compatible with the MDT manifold.</p> <p><b>Includes:</b></p> <ul style="list-style-type: none"> <li>▪ MDT Vacuum Manifold plus spacer</li> <li>▪ MDT Manifold Collar Rest tile</li> <li>▪ VCB100 Vacuum Control Box capable of two independent vacuum settings</li> <li>▪ SPE software template</li> <li>▪ Requires a vacuum supply – either house vacuum or the Gast Vacuum Pump</li> <li>▪ <b>Requires an AC Controller for automated control of the vacuum pump</b></li> </ul>
7005072	<p>PVM Gridded Vacuum Filtration</p> <p>Provides full walk away capability for extraction applications using the Millipore Multiscreen plate. Varispan™ and MDT pipetting arms can be used for volume transfers in this application. The integrated gripper arm or JANUS G3 Gripper Integration Platform must be used for full walk away capabilities including assembly/disassembly of the manifold.</p> <p><i>Optional MDT gripper is not compatible with the PVM manifold.</i></p> <p><b>Includes:</b></p> <ul style="list-style-type: none"> <li>▪ PVM Vacuum Manifold plus spacers</li> <li>▪ PVM Base Tile (Right)</li> <li>▪ Blot Tray</li> <li>▪ Unispacer</li> <li>▪ VCB100 Vacuum Control Box capable of two independent vacuum settings</li> <li>▪ SPE software template</li> <li>▪ Requires a vacuum supply – either house vacuum or the Gast Vacuum Pump</li> <li>▪ <b>Requires an AC Controller for automated control of the vacuum pump</b></li> </ul>

## G3 Automated Liquid Handling Workstations

### AUTOMATED EXTRACTION OPTIONS

Electronic Device Control	
7401489	ACB100 Electronics Box, 110 V
7401487	ACB100 Electronics Box, 220 V
7400188	AC Controller without extended IO, 110 V <ul style="list-style-type: none"> <li>▪ 6 AC outlets available</li> <li>▪ 10 amps maximum</li> </ul>
7400191	AC Controller without extended IO, 220 V <ul style="list-style-type: none"> <li>▪ 6 AC outlets available</li> <li>▪ 6.3 amps maximum</li> </ul>
7400186	AC Controller with extended IO, 110 V <ul style="list-style-type: none"> <li>▪ For use with JANUS G3 MDT arm; requires 6 AC outlets</li> <li>▪ Requires the AC Controller without extended IO option</li> <li>▪ 6 AC outlets available</li> <li>▪ 10 amps maximum</li> </ul>
7400190	AC Controller with extended IO, 220 V <ul style="list-style-type: none"> <li>▪ To be used when a JANUS G3 system configured with MDT arm only requires more than 6 AC outlets</li> <li>▪ Requires the AC Controller without extended IO option</li> <li>▪ 6 AC outlets available</li> <li>▪ 6.3 amps maximum</li> </ul>

Toroid Magnet Options	
7002416	96-well Magnet Option <ul style="list-style-type: none"> <li>▪ A toroid design deep well plate magnet designed for use with magnetic particle-based applications</li> <li>▪ Occupies one standard tile position in either landscape or portrait mode</li> <li>▪ Compatible with the following microplates:               <ul style="list-style-type: none"> <li>• Whatman 96-well U-bottom polypropylene square well deep well plate (7701-5200)</li> <li>• Innovative Microplate 96-well V-bottom deep well plate (S30026)</li> <li>• Nunc 96-well U-bottom deep well plate (278606)</li> <li>• Nunc 96-well U-bottom V96 polypropylene 0.45 ml microplate</li> <li>• Greiner 96-well polystyrene U-bottom microplate (650101)</li> <li>• Greiner 96-well polystyrene V-bottom microplate (651101)</li> <li>• Axygen 96-well polypropylene V-bottom microplate (P96-450V)</li> <li>• Axygen 96-well polypropylene U-bottom microplate (P96-450U)</li> <li>• Most PCR plates</li> </ul> </li> </ul>

Optional items	
2004082	Gast Vacuum Pump, 115 V
2004083	Gast Vacuum Pump, 220 V

# G3 Automated Liquid Handling Workstations

## AUTOMATED EXTRACTION OPTIONS



PVM Vacuum Manifold  
(Item# 7601808)



PVM Vacuum Manifold, Gridded  
(Item# 7601843)



PVM Vacuum Manifold, Micro/Filter  
(Item# 7601844)

### PVM Manifold

7601808	<p>PVM Vacuum Manifold</p> <ul style="list-style-type: none"> <li>Compatible with filter plates such as 3M Empore, Ansys SPEC, Waters Oasis, IST ISOLUTE Array Plate, Varian Bond Elute Matrix, Varian Microlute, Varian VersaPlate and Qiagen QIAprep 96</li> </ul>
7601843	<p>PVM Gridded Vacuum Manifold</p> <ul style="list-style-type: none"> <li>Compatible with Millipore Multiscreen plates</li> </ul>
7601844	<p>PVM Micro/Filter Vacuum Manifold</p> <ul style="list-style-type: none"> <li>Compatible with 96-well and 384-well filter plates with short drip directors such as Ambion RNAqueous-96, RNAture Ribocap, Bio-Rad Aurum, Waters Oasis and Whatman Polyfiltronics UNIFILTER</li> </ul>
7009564	PVM Top Flat Gasket Kit, 5 Pack
7009574	PVM Base Round Gasket Kit, 5 Pack
7002106	PVM Gridded Top Flat Gasket Kit
7002105	PVM Gridded Base Flat Gasket Kit
5079396	PVM Left Base Tile
5079397	PVM Right Base Tile
5079520	PVM Rest Tile
7601809	Blot Tray

### MDT Manifold

70234620	<p>MDT Vacuum Manifold Assembly</p> <ul style="list-style-type: none"> <li>Compatible with filter plates such as Qiagen, Promega or 3M Empore, and Millipore</li> </ul>
70238500	MDT Base Gasket Kit
70238490	MDT Collar Gasket Kit, Standard
70238480	MDT Collar Gasket Kit, Qiagen

### SAMPLE TRACKING ACCESSORIES

#### Barcode Assembly

To configure a barcode system you must specify the barcode assembly, barcode scanner and the barcode cassette kit. \*The test tube barcode assembly is compatible with JANUS G3 Expanded units only.

7406777	<p>JANUS G3 Barcode Assembly</p> <ul style="list-style-type: none"> <li>▪ The barcode assembly includes the mechanical assembly and provides a deck area for 12 sliding cassettes</li> </ul>
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#### Barcode Scanner

Choose the appropriate barcode scanner. Barcode scanners can read the following barcode symbology: Code 39, Codabar, Interleaved 2 of 5, UPC/EAN, Code 128.

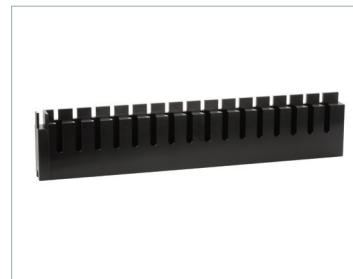
7005083	<p>Low Density Barcode Scanner Kit</p> <ul style="list-style-type: none"> <li>▪ Scanner will read 0.0075" (0.191 mm) narrow bar width and larger barcode labels</li> </ul>
7005084	<p>Ultra High Density Barcode Scanner Kit</p> <ul style="list-style-type: none"> <li>▪ Scanner will read 0.003" (0.118 mm) to 0.010" (0.254 mm) narrow bar width barcode labels</li> <li>▪ Ultra high density barcode labels may contain up to 34 characters in a 1.25" label, depending on the barcode symbology</li> </ul>
7600084	1D Handheld Barcode Scanner



1D Handheld Barcode Scanner  
(Item# 7600084)



10-16 mm Barcode Cassette



Microfuge Barcode Cassette

### Sample Tube Barcode Options

Choose the appropriate barcode cassette kit. Each kit includes twelve (12) cassettes.

7607651	10-16 mm Barcode Cassette Kit
7607652	17 mm Barcode Cassette Kit
7607653	Microfuge Barcode Cassette Kit
<b>Individual Cassettes Available:</b>	
7601671	10-16 mm MPII Barcode Cassette <ul style="list-style-type: none"> <li>▪ Each cassette contains sixteen (16) tube positions</li> </ul>
7601673	17 mm MPII Barcode Cassette <ul style="list-style-type: none"> <li>▪ Each cassette contains fifteen (15) tube positions</li> </ul>
7607650	Microfuge Barcode Cassette <ul style="list-style-type: none"> <li>▪ Each cassette contains sixteen (16) tube positions</li> </ul>

### Microplate ID Option

7002362	<p>JANUS G3 Plate ID Option</p> <p><b>Compatible with:</b></p> <ul style="list-style-type: none"> <li>▪ integrated gripper arm</li> <li>▪ Gripper Integration Platform</li> <li>▪ MDT gripper option</li> </ul> <p>A Microscan MS-710 (1-D reader) is located on a support tile to allow for flexible placement of the barcode scanner. The gripper moves barcoded shallow and deepwell plates over to the scanner, either at the beginning of a test or on demand. Scanned barcodes can be compared to a worklist. All barcode information is tracked in the MicroSoft® Access® Database.</p> <p>Barcode scanner can read: Code 39, Codabar, Interleaved 2 of 5, UPC/EAN, and Code 128.</p>
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## MAINTENANCE KITS AND OPTIONS

### For 4-Tip Varispan™ Arm

#### Maintenance Kits

Each maintenance kit includes two (2) syringes, two (2) valves, four (4) reagent O-rings, four (4) reagent seals, one (1) tubing replacement kit, and one (1) tube of syringe pump lubrication fluid.

7006622	250 µl syringe maintenance kit, 4-tip
7006623	500 µl syringe maintenance kit, 4-tip
7006624	1 ml syringe maintenance kit, 4-tip
7006625	2.5 ml syringe maintenance kit, 4-tip
7006626	5.0 ml syringe maintenance kit, 4-tip

#### Replacement Tips

5078116	83.7 mm Fixed Tip, replacement tip, qty 1
5079076	VersaTip PLUS, replacement tip, qty 1
5079766	Low Volume Fixed Tip, replacement tip, qty 1
5075300	MultiPROBE I Fixed Tip, qty 1
5086799	Shortened VersaTip
7601018	Septum Slant Tip

### For 8-Tip Varispan™ Arm

#### Maintenance Kits

Each maintenance kit includes: four (4) syringes, four (4) valves, eight (8) reagent seal O-rings, eight (8) reagent seals, one (1) tubing replacement kit, and one (1) tube of syringe pump lubrication fluid.

7006627	250 µl syringe maintenance kit, 8-tip
7006628	500 µl syringe maintenance kit, 8-tip
7006629	1 ml syringe maintenance kit, 8-tip
7006630	2.5 ml syringe maintenance kit, 8-tip
7006631	5.0 ml syringe maintenance kit, 8-tip

#### Replacement Tips

5084148	83.7 mm Fixed Tip HD, replacement tip, qty 1
5084114	VersaTip HD PLUS, replacement tip, qty 1
5084149	Low Volume Fixed Tip HD, replacement tip, qty 1
5084158	MultiPROBE I Fixed Tip, qty 1
5086845	Shortened VersaTip
7607592	Septum Slant Tips HD

For more information visit [www.perkinelmer.com/automated-liquid-handling](http://www.perkinelmer.com/automated-liquid-handling).

For Research Use Only. Not for use in diagnostic procedures.

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