



# ACCESSORY CATALOG



# ACCESSORY CATALOG

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# ACCESSORY CATALOG

Using the legend below, verify the Jetting Assembly or Printhead part number that the accessories are being used with, then check the “**Compatible with**” statement to ensure compatibility. The Printhead Accessory Compatibility Chart (PDS00030) is also a useful tool for identifying compatible components.

## Part Number Legend

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09272	Galaxy 50 AAA 256-Jet Top Ported Jetting Assembly
09493	Galaxy 80 AAA 256-Jet Top Ported Jetting Assembly
08991	Galaxy 30 AAA 256-Jet Top Ported Jetting Assembly
09198	Galaxy PH 30 AAA
09459	Galaxy PH 50 AAA
11409	Galaxy PH 80 AAA
06846	Galaxy PH 256/30 HM (HIB2)
06397	Galaxy PH 256/30 HM (IHIB)
04699	Galaxy PH 256/80 HM (IHIB)
04716	Galaxy PH 256/80 HM (HIB2)
07067	Galaxy PH 256/80 HM (512 res)
03648	Galaxy PH 512/70 HM
16942-001	Nova AAA 256-Jet Top Ported Jetting Assembly
06308	Nova PH 256/80 AAA (IHIB)
06303	Nova PH 256/80 AAA (HIB2)
06599	Nova PH 256/80 AAA, SS (IHIB)
09158	SL-128 128-Jet Jetting Assembly
17261	SM-128 128-Jet Jetting Assembly
17256	SE-128 128-Jet Jetting Assembly
09481	SX3 128-Jet Jetting Assembly
14923	SE3 Jetting Assembly
13326	Skywalker 128/50 Printhead
18800	PQ-512/15 Polaris Printhead

# Interface and Adapter Bar Kits

Adapter bars are used to interface Spectra® jetting assemblies into printing systems, often by attaching them to a fluid reservoir.



P/N 05999

## 256-Jet Adapter Bar Kit

P/N 05999

Consisting of:

- Adapter Bar, 316 Stainless Steel, 256-Jet JA to Reservoir
- O-Rings, size 2-004, FFKM
- Screws, 4-40 x 5/8, Stainless Steel
- Screws, M3 x 20, Stainless Steel

### Compatible with:

Galaxy and Nova Jetting Assemblies



P/N 06689-001

## S-Class Heater/Interface Bar Kit

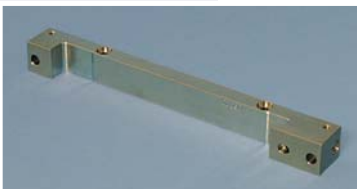
P/N 06689-001

Consisting of:

- Anodized Aluminum Heater Bar, including embedded 24 V 25 W heater and 100 K $\Omega$  thermistor
- Dual fluid inlet ports for 3 mm (1/8 inch) ID tubing
- Screws, M2 x 4, Stainless Steel
- O-Rings, size .180ID x .038 EPR
- O-Rings, size .100ID x .038, EPR
- Screws, M3 x 16, Stainless Steel

### Compatible with:

SL, SM, SE Jetting Assemblies



P/N 06021

## S-Class Jetting Assembly Stainless Steel Adapter Bar Kit

P/N 06021

Consisting of:

- Adapter Bar, 316 Stainless Steel, S-Class JA to Reservoir
- O-Ring, Size 2-003, FFKM,
- Screws, 4-40 x 5/8, Stainless Steel
- Screws, M2X16, Stainless Steel
- Screws, M2 x 10, Stainless Steel
- Flat Washers, M2, Stainless Steel
- AN000005 Assembly Instructions for S-Class Jetting Assembly with a Spectra® Reservoir and Adapter Bar

### Compatible with:

SL, SM, SE Jetting Assemblies



P/N 06943

### **SX3 Stainless Steel Adapter Bar Kit**

P/N 06943

Consisting of:

- Adapter Bar, 316 Stainless Steel, SX3 to Reservoir
- O-Rings, size 2-003, FFKM
- Screws, 4-40 x 5/8, Stainless Steel
- Screws, M2 x 10, Stainless Steel
- Flat Washers, M2, Stainless Steel

#### **Compatible with:**

SX3 Jetting Assemblies



P/N 05309

### **S-Class Jetting Assembly Anodized Aluminum Adapter Bar Kit**

P/N 05309

Consisting of:

- Adapter Bar, Anodized Aluminum, S-Class to Reservoir
- O-Rings, size 2-003, EPR
- Screws, 4-40 x 5/8, Stainless Steel
- Screws, M2X16, Stainless Steel
- Screws, M2x10, Stainless Steel
- Flat Washers, M2, Stainless Steel
- AN000005 - Assembly Instructions for S-Class Jetting Assembly with a Spectra® Reservoir and Adapter Bar

#### **Compatible with:**

SL, SM, SE Jetting Assemblies

P/N 17557

### **Skywalker Aluminum Adapter Bar**

P/N 17557

Consisting of:

- Skywalker 50 Aluminum Adapter Bar
- Screws, 4-40 x 5/8 SS
- Screws, M3 x 6, SS
- 20 mm x 4.8 mm ID tubing
- LuerLoc .187 barb fitting
- Keying plug connector
- 9 pin cable
- Hose clamp
- AN000044 - Assembly Instructions for Skywalker with a Spectra® Reservoir and Adapter Bar

#### **Compatible with:**

Skywalker Printhead

# Thermistors

A thermistor is a thermally sensitive device used for temperature sensing and control within a reservoir or jetting assembly.



P/N 7033-425

## Thermistor Assembly

P/N 7033-425

Consisting of:

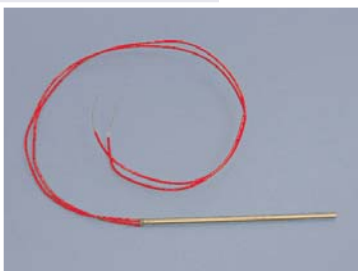
- 100 K $\Omega$  (@25°C) Thermistor
- .070 inch diameter x .25 inch thermistor, with 12 inch 28 AWG, Teflon insulated wire with unterminated leads

### Compatible with:

All Galaxy, Nova, and S-Class Products and all Reservoirs

# Heaters

Cartridge heaters provide a source of heat to either a jetting assembly or reservoir. The heaters are sealed cartridge heaters with unterminated 24 AWG Teflon insulated leads.



P/N 04797

P/N 04992

P/N 05334

P/N 05335

P/N 05336

P/N 06371

## 120V, 50W, 1/8 in. diameter x 3 in. long Heater

P/N 04797

### Compatible with:

Nova and Galaxy Jetting Assemblies

## 110V, 50W, 1/4 in. diameter x 3 in. long Heater

P/N 04992

### Compatible with:

Galaxy Printheads, Remote Reservoir-Lung Assemblies

## 120V, 25W, 1/8 in. diameter x 3 in. long Heater

P/N 05334

### Compatible with:

SL, Nova and Galaxy Jetting Assemblies

## 24V, 25W, 1/8 in. diameter x 3 in. long Heater

P/N 05335

### Compatible with:

SL, Nova and Galaxy Jetting Assemblies

## 24V, 50W, 1/4 in. diameter x 3 in. long Heater

P/N 05336

### Compatible with:

Nova and Galaxy Jetting Assemblies, Galaxy Printheads

## Heaters (Cont.)

### **24V, 50W, 1/8 in. diameter x 3 in. long Heater**

P/N 06371

#### **Compatible with:**

Nova and Galaxy Jetting Assemblies

## Thermo-Electric Assemblies

Thermo-Electric wiring harness assemblies provide heat and temperature sensing to jetting assemblies or reservoirs. Includes heater(s) and thermistor terminated in a Molex Micro Fit 3.0 connector.



### **Wiring Harness – 24V/50W (Reservoir only)**

P/N 05377

Consisting of:

- 24V, 50W, 1/4 in. diameter x 3 in. long Heater
- 100K Thermistor
- Molex Micro Fit 3.0 connector

#### **Compatible with:**

Galaxy and Nova PHs, Remote Reservoir-Lung Assemblies

P/N 05377

P/N 05378

P/N 06357

P/N 06358

P/N 06359

P/N 07159

P/N 07811

P/N 06836

### **Wiring Harness – 110V/50W (Reservoir only)**

P/N 05378

Consisting of:

- 110V, 50W, 1/4 in. diameter x 3 in. long Heater
- 100K Thermistor
- Molex Micro Fit 3.0 connector

#### **Compatible with:**

SL, Galaxy and Nova PHs, Remote Reservoir-Lung Assemblies

### **Wiring Harness – 24V/50W (for 1/8 inch heater diameter JAs)**

P/N 06357

Consisting of:

- 24V, 50W, 1/8 in. diameter x 3 in. long Heater
- 100K Thermistor
- Molex Micro Fit 3.0 connector

#### **Compatible with:**

Nova and Galaxy Jetting Assemblies

### **Wiring Harness Assembly – 24V/25W (for 1/8 inch heater diameter JAs)**

P/N 06358

Consisting of:

- 24V, 25W, 1/8 in. diameter x 3 in. long Heater
- 100K Thermistor Assembly
- Molex Micro Fit 3.0 connector

#### **Compatible with:**

Nova and Galaxy Jetting Assemblies, SL

## Thermo-Electric Assemblies (Cont.)

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P/N 05377

P/N 05378

P/N 06357

P/N 06358

P/N 06359

P/N 07159

P/N 07811

P/N 06836

### **Wiring Harness Assembly – 120V/25W (for 1/8 inch heater diameter JAs)**

P/N 06359

Consisting of:

- 120V, 25W, 1/8 in. diameter x 3 in. long Heater
- 100K Thermistor Assembly
- Molex Micro Fit 3.0 connector

#### **Compatible with:**

Nova and Galaxy Jetting Assemblies, SL

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### **Wiring Harness Assembly – 120V/50W (for 1/8 inch heater diameter JAs)**

P/N 07159

Consisting of:

- 120V, 50W, 1/8 in. diameter x 3 in. long Heater
- 100K Thermistor Assembly
- Molex Micro Fit 3.0 connector

#### **Compatible with:**

Nova and Galaxy Jetting Assemblies, SL

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### **Wiring Harness – 110V/50W (for Nova Printheads)**

P/N 07811

Consisting of:

- 120V, 50W, 1/8 in. diameter x 3 in. long JA Heater
- 110V, 50W, 1/4 in. dia. x 3in. long Reservoir Heater
- 100K Thermistor
- Molex Micro Fit 3.0 connector

#### **Compatible with:**

All Nova Printheads

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### **Wiring Harness – 110V/50W (for Galaxy Printheads)**

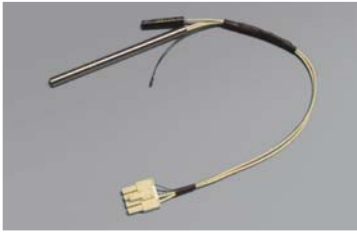
P/N 06836

Consisting of:

- 110V, 50W, 1/4 inch diameter x 3 inches long JA Heater
- 110V, 50, 1/4 inch diameter x 3 inches long Reservoir Heater
- 100K Thermistor
- Molex Micro Fit 3.0 connector

#### **Compatible with:**

All Galaxy Printheads (except 512)



P/N 08387

### 5 Pack MLM Heater Assembly

P/N 08387

Each MLM Heater Assembly consists of:

- 24V 25W cartridge heater, 1/4 in. diameter x 3.75 in. long
- 100 K $\Omega$  temperature sense Thermistor
- 117° C thermal fuse
- All terminated in a Molex MiniFit Jr. connector

#### Compatible with:

Molded Lung Module (MLM)

## Fluid Delivery Components

An efficient and functional fluid supply is crucial for good printhead performance. Long term component compatibility with various jetting materials will help applications attain reliable results.



P/N 03802

### Peristaltic Fluid Pump

P/N 03802

Consisting of:

- Pump, 12VDC, Masterflex
- Cable, Ink Pump Power
- Cable, External, Pump Control

#### Compatible with:

Apollo II PSK



P/N 03565

### Peristaltic Pump Head Tube - 1/16ID

P/N 03565

Consisting of:

- Tubing, 1/16ID, Pharmed
- Fitting, Female-Luer, Poly - 3/32 barb to fitting



P/N 07801

### Peristaltic Pump Head Tube - 2.79mm ID

P/N 07801

Consisting of:

- Tubing, 2.79mm ID, Pharmed
- Fitting, Female-Luer, Poly - 1/8 barb to fitting



P/N 06141

### **Ink Line Assembly with Filter and Adapter (Connects from Pump Head Tube to Incline)**

P/N 06141

Consisting of:

- Filter, 5  $\mu$ , MAPP Disk, Poly Propylene Housing
- Tubing, 1/16ID, Pharmed
- Fittings, Male Luerlock x 3/32HB, Poly Propylene



P/N 04326

### **Connection Tube (Connects from Cubetainer to Pump Head Tube)**

P/N 04326

Consisting of:

- Fitting, 1/4HB-PS Coupling
- Tubing, 3/16ID, Pharmed
- Fitting, 1/4, Barb, Poly, Male
- Clamp, Flow Control



P/N 06679

### **Pneumatic Tubing Disc Filter (0.2 micron)**

P/N 06679

Consisting of:

- Filter, 0.2 $\mu$ m, Inline, Teflon Disk (Quantity 4 per order)



P/N 3800-048

### **Manual Refill Kit**

P/N 3800-048

Consisting of:

- Fitting, Manual Refill
- Tubing, .067 ID x .125 OD
- Tubing, 3/16 in.
- Syringe, 20cc, Luerlock Tip
- Syringe, Blunt Disp. Tip, 0.065
- Filter, 5  $\mu$ m, Syringe, Nylon

#### **Compatible with:**

Spectra<sup>®</sup> Reservoirs (except Hot Melt)



P/N 10833

### **Jetting Fluid Tubing Kit**

P/N 10833

Consisting of:

- Assembly, Hose, Male-Luer/PS Coupling
- Assembly, Ink Line Pump Head
- Adapter, 1/8 in. ID to 1/16 inch OD Port
- Assembly, Ink Line, 3 meter, Filtered, 1/8 in. ID

#### **Compatible with:**

Apollo II PSKs only

## Fluid Delivery Components (Cont.)

P/N 07974

P/N 01070

P/N 07595

P/N 1303

P/N 18903

P/N 3900-063

P/N 3900-075

P/N 7050-860-3

P/N 7050-860-5

P/N 7050-928-4

P/N 7050-928-5

P/N 7050-992

**Meniscus/Lung Hose for Apollo II**

P/N 07974

**Umbilical, UM-070-DT/NT-18**

P/N 01070

**Umbilical, UM-070-DT/DT-24**

P/N 07595

**Umbilical, UM-070-DT/NT-25**

P/N 13030

**Umbilical, UM-04M-NT/DT-69**

P/N 18903

**Umbilical, UM-050-NT/NT-00-UV**

P/N 3900-063

**Umbilical, UM-050-DT/NT-25**

P/N 3900-075

**Umbilical, UM-120-NT/NT-67-NRW**

P/N 7050-860-3

**Umbilical, UM-075-NT/NT-111-NRW**

P/N 7050-860-5

**Umbilical, UM-028-DT/BJ-63**

P/N 7050-928-4

**Umbilical, UM-028-DT/BJ-35**

P/N 7050-928-5

**Umbilical, UM-050-DT/NT-19**

P/N 7050-992

### Umbilical Key:

**UM-XXX-XX/XX-XXX-XXX**

**UV** – UV Ink Compatible

**NRW** – No Return Wire

Heater Resistance at 25°C (00= no heater)

End fittings:

**DT/NT** – Deep Throat to Normal Throat

**NT/NT** – Normal Throat to Normal Throat

**DT/BJ** – Deep Throat to Banjo barb

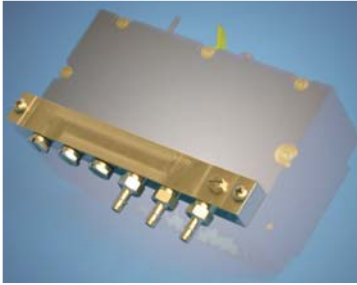
**XXX** – Length in inches

**XXM** – Length in meters

**UM** - Umbilical

# Outlet Manifolds

The outlet manifold distributes fluid from a reservoir to up to 6 jetting assemblies.



P/N 05407

P/N 05404

P/N 05403

P/N 05402

P/N 05401

P/N 05400

P/N 06024

## **Reservoir Outlet Manifold – 1 up (for a single Jetting Assembly)**

P/N 05407

Consisting of:

- Manifold Bar, 316 Stainless Steel
- Stainless Steel Barbed Fitting for 1/8 inch ID tubing (Quantity 1)
- Stainless Steel M5 Plug, (Quantity 5) and 1-M3 Plug
- Screws, 4-40X 1/2 inch, Stainless Steel

### **Compatible with:**

Nova, Galaxy, S-Class Jetting Assemblies, and Polaris Printheads

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## **Reservoir Outlet Manifold – 2 up (for 2 Jetting Assemblies)**

P/N 05404

Consisting of:

- Manifold Bar, 316 Stainless Steel
- Stainless Steel Barbed Fitting for 1/8 inch ID tubing (Quantity 2)
- Stainless Steel M5 Plug, (Quantity 4) and 1-M3 Plug
- Screws, 4-40X 9/16 inch, Stainless Steel

### **Compatible with:**

Nova, Galaxy, S-Class Jetting Assemblies, and Polaris Printheads

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## **Reservoir Outlet Manifold – 3 up (for 3 Jetting Assemblies)**

P/N 05403

Consisting of:

- Manifold Bar, 316 Stainless Steel
- Stainless Steel Barbed Fitting for 1/8 inch ID tubing (Quantity 3)
- Stainless Steel M5 Plug, (Quantity 3) and 1-M3 Plug
- Screws, 4-40X 1/2 inch, Stainless Steel

### **Compatible with:**

Nova, Galaxy, S-Class Jetting Assemblies, and Polaris Printheads

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## **Reservoir Outlet Manifold – 4 up (for 4 Jetting Assemblies)**

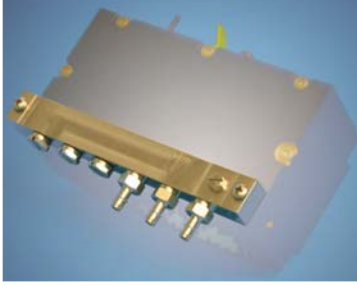
P/N 05402

Consisting of:

- Manifold Bar, 316 Stainless Steel
- Stainless Steel Barbed Fitting for 1/8 inch ID tubing (Quantity 4)
- Stainless Steel M5 Plug, (Quantity 2) and 1-M3 Plug
- Screws, 4-40X 1/2 inch, Stainless Steel

### **Compatible with:**

Nova, Galaxy, S-Class Jetting Assemblies, and Polaris Printheads



P/N 05407

P/N 05404

P/N 05403

P/N 05402

P/N 05401

P/N 05400

P/N 06024

### **Reservoir Outlet Manifold – 5 up (for 5 Jetting Assemblies)**

P/N 05401

Consisting of:

- Manifold Bar, 316 Stainless Steel
- Stainless Steel Barbed Fitting for 1/8 inch ID tubing (Quantity 5)
- Stainless Steel M5 Plug, (Quantity 1) and 1-M3 Plug
- Screws, 4-40X 1/2 inch, Stainless Steel

#### **Compatible with:**

Nova, Galaxy, S-Class Jetting Assemblies, and Polaris Printheads

### **Reservoir Outlet Manifold – 6 up (for 6 Jetting Assemblies)**

P/N 05400

Consisting of:

- Manifold Bar, 316 Stainless Steel
- Stainless Steel Barbed Fitting for 1/8 inch ID tubing (Quantity 6)
- Screws, 4-40X 1/2 inch, Stainless Steel
- 1-M3 Plug, Stainless Steel

#### **Compatible with:**

Nova, Galaxy, S-Class Jetting Assemblies, and Polaris Printheads

### **Reservoir Outlet Manifold – 1 to 6 up (For developing individual configurations from 1 to 6 Jetting Assemblies)**

P/N 06024

Consisting of:

- Manifold Bar, 316 Stainless Steel
- Stainless Steel Barbed Fitting for 1/8 inch ID tubing (Quantity 6)
- Stainless Steel M5 Plug, (Quantity 5) and 1-M3 Plug
- Screws, 4-40X 1/2 inch, Stainless Steel

#### **Compatible with:**

Nova, Galaxy, S-Class Jetting Assemblies, and Polaris Printheads

# Printhead Support Products



P/N 06543-001

## Anodized Aluminum Reservoir/Lung Remote Reservoir-Lung Assembly

P/N 06543-001

Fluid reservoir module for use inline or attached to one or more Spectra jetting assemblies. The Aluminum version, 20 ml, is equipped with EPDM O-rings.

### Options:

Heater cartridge and thermistor temperature sensor.



P/N 05560

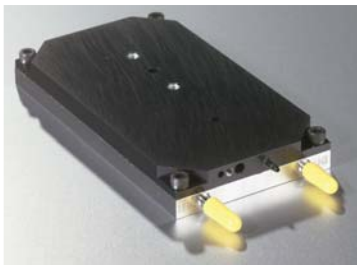
## 316 Stainless Steel Reservoir/Lung Remote Reservoir-Lung Assembly

P/N 05560

Fluid reservoir module for use inline or attached to one or more Spectra jetting assemblies. It is designed for very aggressive fluids. The Stainless steel version, 20 ml, is equipped with perfluoroethylene O-rings.

### Options:

Heater cartridge and thermistor temperature sensor.



P/N 05841

## Remote In Line 316 Stainless Steel Lung Module

P/N 05841

Compact degassing unit, for use with aggressive fluids. The unit is stackable for increased capacity. The only materials in contact with the fluids are PFE, 316 stainless steel and perfluoroethylene.

### Options:

Heater cartridge and thermistor temperature sensor.



P/N 08162-001

## Meniscus Pressure Controller

P/N 08162-001

Compact 4-channel standalone unit used to maintain meniscus vacuum for Nova and Galaxy 256-channel printheads and S-Class jetting assemblies.

### Options:

Fluid in Line Monitor (FiLM), 2 Sensor (P/N 09029)

Fluid in Line Monitor (FiLM), 4 Sensor (P/N 10496)



P/N 08371

## Molded Lung Module (MLM)

P/N 08371

Compact inline degassing unit for use with one or more Spectra jetting assemblies using UV ink. The unit is constructed of lightweight high density, thermally conductive and chemically resistant materials.

### Options:

Heater cartridge and thermistor temperature sensor.



P/N 04365

### Ink Development Reservoir

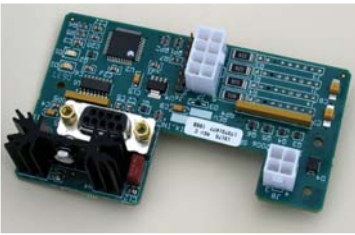
P/N 04365

Consisting of:

- Ink Development Reservoir
- Manual Refill Kit

#### Compatible with:

All Jetting Assemblies/Adapter Bars



P/N 06096

### Isolated Head Interface Board (IHIB)

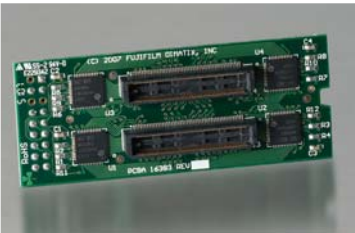
P/N 06096

Consisting of:

- Assembly, PCB, IHIB
- Standoff, 4-40x1, Hex Alum (qty 4)
- Screw, 4-40x1/4, Pan PH, 316 SS (qty 4)

#### Compatible with:

All Nova, Galaxy, and S-Class Jetting Assemblies



P/N 17099

### Skywalker Driver Chip Module (DCM)

P/N 17099

#### Compatible with:

Skywalker

## Miscellaneous Supplies



P/N 05460

P/N 05690

### Web Transport Paper, Roll

P/N 05460

- 3 in x 1000 ft, 3 inch core

### Coated Paper Coupons

P/N 05690

- 3.86 x 6.9 in., 500/Pkg

## Miscellaneous Supplies (Cont.)

P/N 07480

### Lint-Free Clean Wipes

P/N 07480

- 4 x 4 in., 600/Pkg



P/N 09540

### Empty Cubetainer

P/N 09540

- 6 - 1 liter ink bladder bag, cap, and corrugated box

## Model Fluids (7060 and XL-30 Series)

7060 Series:

P/N 7060-804-93

P/N 16707

P/N 16708

P/N 16709

P/N 16710

P/N 16711

P/N 16712

P/N 16713

P/N 16714

P/N 16721

XL-30 Series:

P/N 12462

P/N 16662

P/N 16663

P/N 16701

P/N 16702

P/N 16703

P/N 16704

P/N 16705

P/N 16706

P/N 16720

### Model Fluid 7060 Blue - 0.5L (7060 Series)

P/N 7060-804-93

- 0.5 Liter, Plastic Bottle

### Model Fluid 7060 Blue - 4 up (7060 Series)

P/N 16707

- 4 - 1 Liter, Cubetainer Packages

### Model Fluid 7060 Blue - 6 up (7060 Series)

P/N 16708

- 6 - 1 Liter, Cubetainer Packages

### Model Fluid 7060 Black - 4 up (7060 Series)

P/N 16709

- 4 - 1 Liter, Cubetainer Packages

### Model Fluid 7060 Black - 6 up (7060 Series)

P/N 16710

- 6 - 1 Liter, Cubetainer Packages

### Model Fluid 7060 Yellow - 4 up (7060 Series)

P/N 16711

- 4 - 1 Liter, Cubetainer Packages

## Model Fluids (7060 and XL-30 Series) (Cont.)

7060 Series:

P/N 7060-804-93

P/N 16707

P/N 16708

P/N 16709

P/N 16710

P/N 16711

P/N 16712

P/N 16713

P/N 16714

P/N 16721

XL-30 Series:

P/N 12462

P/N 16662

P/N 16663

P/N 16701

P/N 16702

P/N 16703

P/N 16704

P/N 16705

P/N 16706

P/N 16720

**Model Fluid 7060 Yellow – 6 up (7060 Series)** P/N 16712

- 6 - 1 Liter, Cubetainer Packages

**Model Fluid 7060 Red – 4 up (7060 Series)** P/N 16713

- 4 - 1 Liter, Cubetainer Packages

**Model Fluid 7060 Red – 6 up (7060 Series)** P/N 16714

- 6 - 1 Liter, Cubetainer Packages

**Model Fluid 7060 All 4 Colors – 4 up (7060 Series)** P/N 16721

- 4 - 1 Liter (Black, Blue, Red, Yellow), Cubetainer Packages

### XL-30 Series

**XL-30 Red – 0.5L (XL-30 Series)** P/N 12462

- 0.5 Liter, Plastic Bottle

**XL-30 Red – 4 up (XL-30 Series)** P/N 16662

- 4 - 1 Liter, Cubetainer Packages

**XL-30 Red – 6 up (XL-30 Series)** P/N 16663

- 6 - 1 Liter, Cubetainer Packages

**XL-30 Blue – 4 up (XL-30 Series)** P/N 16701

- 4 - 1 Liter, Cubetainer Packages

**XL-30 Blue – 6 up (XL-30 Series)** P/N 16702

- 6 - 1 Liter, Cubetainer Packages

**XL-30 Yellow – 4 up (XL-30 Series)** P/N 16703

- 4 - 1 Liter, Cubetainer Package

**XL-30 Yellow – 6 up (XL-30 Series)** P/N 16704

- 6 - 1 Liter, Cubetainer Packages

## Model Fluids (XL-30 Series) (Cont.)

XL-30 Series:  
P/N 12462  
P/N 16662  
P/N 16663  
P/N 16701  
P/N 16702  
P/N 16703  
P/N 16704  
P/N 16705  
P/N 16706  
P/N 16720

### **XL-30 Black – 4 up (XL-30 Series)** P/N 16705

- 4 - 1 Liter, Cubetainer Packages

### **XL-30 Black – 6 up (XL-30 Series)** P/N 16706

- 6 - 1 Liter, Cubetainer Packages

### **XL-30 All 4 Colors – 4 up (XL-30 Series)** P/N 16720

- 4 - 1 Liter (Red, Blue, Yellow, Black), Cubetainer Packages

## Material Compatibility Kits (MCK)

P/N 10768  
P/N 08674  
P/N 12575  
P/N 15759  
P/N 17613  
P/N 19056  
P/N 19075  
P/N 19407

### **256-Jet MCK** P/N 10768

Consisting of 3 pieces of:

- Upilex rocktrap
- Epon epoxy coated slides
- Parylene-coated slides
- Stainless steel orifice plate
- Kovar material
- Ceramic PZT material
- Carbon AXF5Q-CF pieces
- Flex Link material
- Flex Print
- Upilex prebond samples
- AXF collar-manifold assemblies
- O-rings
- IN000005 - Instructions (Quantity 1)

Galaxy AAA and Nova AAA Jetting Assemblies Materials Samples

### **S-Class AA MCK** P/N 08674

Consisting of 3 pieces of:

- AXF carbon
- Parylene-coated slides
- Epon epoxy coated slides
- Upilex Rocktrap material
- Kovar material
- Ceramic PZT material
- Gold nozzle plates
- Stainless steel descender material
- Flex link material
- Flex Print
- Upilex prebond samples
- Nozzle plate assemblies
- O-rings
- IN000006 - Instructions (Quantity 1)

S-Class AA Jetting Assemblies Materials Samples

P/N 10768  
P/N 08674  
P/N 12575  
P/N 15759  
P/N 17613  
P/N 19056  
P/N 18958

### **SX3 MCK**

P/N 12575

Consisting of 3 pieces of:

- AXF carbon
- Epoxy coated slides
- Stainless steel cavity plate
- Upilex Rocktrap material
- Ceramic PZT material
- Flex Plate material
- Flex Print
- Peek Cover
- Silicon Wafer Pieces
- Upilex prebond samples
- IN000012 - Instructions (Quantity 1)

SX3 Jetting Assemblies Materials Samples

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### **Skywalker MCK**

P/N 15759

Consisting of 3 pieces of:

- DFP-1 carbon
- Nylon Luer Fitting
- Epon epoxy coated slides
- Upilex Rocktrap material
- Kovar material
- Ceramic PZT material
- Thermoplastic Rubber Incline
- 17-7 Stainless steel nozzle and ground plate material
- Polypropylene Filter
- Flex Circuit Upilex/Espanex
- Housing and Araldite epoxy
- Upilex prebond samples
- IN000022 - Instructions (Quantity 1)

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### **Q-Class Sapphire MCK**

P/N 17613

Consisting of 3 pieces of:

- AXM-5QR Carbon
- Prebond Assembly
- Upilex Flink
- Kovar cavity plate
- PZT material
- Parylene coated slide
- Epoxy coated slide
- Anodized Aluminum sample
- Encapsulant and Parylene PCB
- Silicon wafer pices
- O-rings
- IN000029 - Instructions (Quantity 1)

P/N 10768  
P/N 08674  
P/N 12575  
P/N 15759  
P/N 17613  
P/N 19056  
P/N 18958

### **Polaris MCK**

P/N 19056

Consisting of 3 pieces of:

- Aluminum and Nicklon frame samples
- Carbon array body samples
- Prebond Assembly
- Parylene deposited glass slide
- Epoxy coated glass slide
- Anodized Aluminum sample
- Encapsulant PCB
- Upilex Flink and Rocktrap
- Kovar cavity plate
- 300 Series Stainless Steel ink barb
- IN000031 - Instructions (Quantity 1)

## Polaris Support Products

P/N 19619  
P/N 18984-001  
P/N 19156

### **Mounting Bolt Kit for Polaris Printhead**

P/N 19619

Consisting of:

- 8 mounting bolt assemblies, each with 5.5 mm Hex head, M3 x 0.5 bolt with precision spring retained on by a Delrin washer for ease of use.

*Note: shoulder bolt and precision spring assures proper mounting forces at both ends of the printhead.*

### **Polaris Frame**

P/N 18984-001

- Provides precision mounting of (2) 256-jet module FRUs
- Registration surfaces for mounting into customer provided carriage plate
- 2 temperature control zones (heater, thermister, thermal fuse)
- Field replaceable unit (FRU)

### **Filter/Tubing Assembly Kit for Polaris Printhead evaluation**

P/N 19156

Consisting of an assembly made up of:

- 10 µm Pall filter with Luer lock fitting (Quantity 1)
- Luer lock fittings with barb to connect to 3 mm ID tubing (Quantity 2)
- Tee fitting with similar barbs (Quantity 2)
- 0.125" ID Pharmed tubing
- 2 kits required per printhead

P/N 700-10701-01

P/N 700-10702-01

P/N 700-11961-01

P/N 700-11670-01

P/N 700-11575-03

P/N 700-11612-01

P/N 700-11613-01

P/N 700-11614-01

P/N 700-11615-01

P/N 700-11616-01

P/N 700-12598-01

P/N 700-11961-01

P/N 700-11670-01

## **DMP Cartridge**

P/N 700-10701-01

- Up to 1.5 ml (user fillable)
- Piezo jetting device with integrated reservoir & heater
- 16 nozzles, 254 um spacing, single row
- 1 pL nominal
- Polypropylene-bag fluid module
- DMC-11601

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## **DMP Cartridge**

P/N 700-10702-01

- Up to 1.5 ml (user fillable)
- Piezo jetting device with integrated reservoir & heater
- 16 nozzles, 254 um spacing, single row
- 10 pL nomina
- Polypropylene-bag fluid module
- DMC-11610

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## **DMP Cartridge**

P/N 700-11961-01

- Up to 1.5 ml (user fillable)
- Piezo jetting device with integrated reservoir & heater
- 16 nozzles, 254 um spacing, single row
- 1 pL nominal
- Liquid Crystal Polymer LCP-bag fluid module
- DMCLCP-11601

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## **DMP Cartridge**

P/N 700-11670-01

- Up to 1.5 ml (user fillable)
- Piezo jetting device with integrated reservoir & heater
- 16 nozzles, 254 um spacing, single row
- 10 pL nominal
- Liquid Crystal Polymer LCP-bag fluid module
- DMCLCP-11610

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## **Black Model Fluid**

P/N 700-11575-03

- MFL-003 DMP Black Model Fluid, 30 ml bottle

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## **Cleaning Pads**

P/N 700-11612-01

- CLP-016 Cleaning pads (Quantity 20)

## DMP Accessories (Cont.)

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P/N 700-10701-01  
P/N 700-10702-01  
P/N 700-11961-01  
P/N 700-11670-01  
P/N 700-11575-03  
P/N 700-11612-01  
P/N 700-11613-01  
P/N 700-11614-01  
P/N 700-11615-01  
P/N 700-11616-01  
P/N 700-12598-01  
P/N 700-11961-01  
P/N 700-11670-01

### **Drop Watcher Pads**

P/N 700-11613-01

- DWP-016 Drop watcher pads (Quantity 10)
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### **Fill Tips**

P/N 700-11614-01

- EXT-001 Fill-tips (Quantity 10)
- 

### **Filters**

P/N 700-11615-01

- FIL-001 Filters (Quantity 10)
- 

### **Syringes**

P/N 700-11616-01

- SYR-003 Syringes (Quantity 10)
- 

### **Format Conversion Software**

P/N 700-12598-01

- SFW-002 Vector Graphics Format Conversion Software

**Corporate Office:**

FUJIFILM Dimatix, Inc.  
2230 Martin Avenue  
Santa Clara, CA 95050  
USA

Tel: (408) 565-9150  
Fax: (408) 565-9151  
Email: [info@dimatix.com](mailto:info@dimatix.com)

**New Hampshire Facility:**

FUJIFILM Dimatix, Inc.  
109 Etna Road  
Lebanon, NH 03766  
USA

Tel: (603) 443-5300  
Fax: (603) 448-9870  
Email: [info@dimatix.com](mailto:info@dimatix.com)



[www.dimatix.com](http://www.dimatix.com)

**Corporate Office:**

FUJIFILM Dimatix, Inc.  
2230 Martin Avenue  
Santa Clara, CA 95050  
USA

Tel: (408) 565-9150  
Fax: (408) 565-9151  
Email: [info@dimatix.com](mailto:info@dimatix.com)

**New Hampshire Facility:**

FUJIFILM Dimatix, Inc.  
109 Etna Road  
Lebanon, NH 03766  
USA

Tel: (603) 443-5300  
Fax: (603) 448-9870  
Email: [info@dimatix.com](mailto:info@dimatix.com)

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[www.dimatix.com](http://www.dimatix.com)