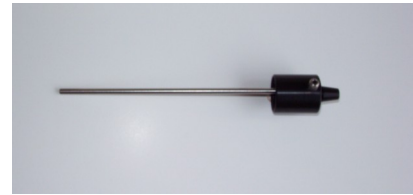


# *Instrument Design Mfg. Co.*



2017



## Product Catalog



# *Instrument Design & Mfg. LLC.*

## Products Table of Contents

Adapters - pg. 3



Arterial Tubes - pg. 5



Chemical Cavity - pg. 8



Drain Tube - pg. 9



Hydro Aspirator - pg. 11



Hypo Shafts - pg. 14



Hypo Valve - pg. 15



Injector Needle Drivers -  
pg. 16, 17, 18



Injector Needles - pg.19



Manifolds—"Y" - pg. 20



Nasal Tubes - pg. 1



Post Aspirators - pg. 22



Quick Connects - pg. 24



Trocar Points - pg. 28



Trocars - pg. 31



Washers - pg. 36



# INSTRUMENT DESIGN & MFG. CO.

## ADAPTERS

### Stainless Steel Adapters



**Part#: ADPR1051**  
Stainless Steel Slip  
Hub Female  
Threaded Adapter



**Part#: ADPR9261**  
Stainless Steel - Valve  
Handle To Arterial  
Tube Adapter  
(5/16-36 male thread  
to 12/32 female  
thread)

**Includes 1 ADPR9352  
Leather Washer**



**Part#: ADPR1052**  
Stainless Steel Slip  
Hub Male  
Threaded Adapter  
**Includes 1  
ADPR9352 Leather  
Washer**



**Part#: ADPR9262**  
Stainless Steel - Valve  
Handle To Embalming  
Machine Pressure Hose  
(5/16-36 male thread to  
12/32 Male thread)

**Includes 1 ADPR9352  
and 1 ADPR9353  
Leather Washers**



**Part#: ADPR1055**  
Stainless Steel 12/32  
Male To 12/32 Male  
Threaded Adapter  
**Includes 2 ADPR9352  
Leather Washers**



**Part#: ADPR1045**  
Luer Adapter to 12  
-32 Male Thread  
**Includes 1  
ADPR9352 Leather  
Washer**

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**INSTRUMENT DESIGN & MFG. CO.**

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# *INSTRUMENT DESIGN & MFG. CO.*

## **ADAPTERS (CONT.)**

### **Stainless Steel Adapters**



**Part#: ADPR750x11F-QCM-SS**

3/4 Hose to Quick Connect, Stainless Body and Stainless Male QC - Also Available In Black Delrin, Interchangeable QC Adapter



**Part#: ADPR750x11F-SLHUB-BP**

3/4 Hose to Slip Hub, Delrin Body and Stainless Slip Hub - Also Available In All Stainless, Interchangeable Slip Hub Adapter

**Part#: ADPR750x11F-SLHUB**  
3/4 Hose to Slip Hub, Stainless Slip Hub, Non Removable Slip Hub



### **Leather Washers**



**Part#: ADPR9352-12**  
Leather Washer For Arterial Tubes And Small Threaded Adapters. 3/16" i.d. x 3/8" o.d.  
(Package of 12)



**Part#: ADPR9353-12**  
Leather Washer For Valve Handle To Arterial Tube. 5/16" i.d. x 1/2" o.d.  
(Package of 12)

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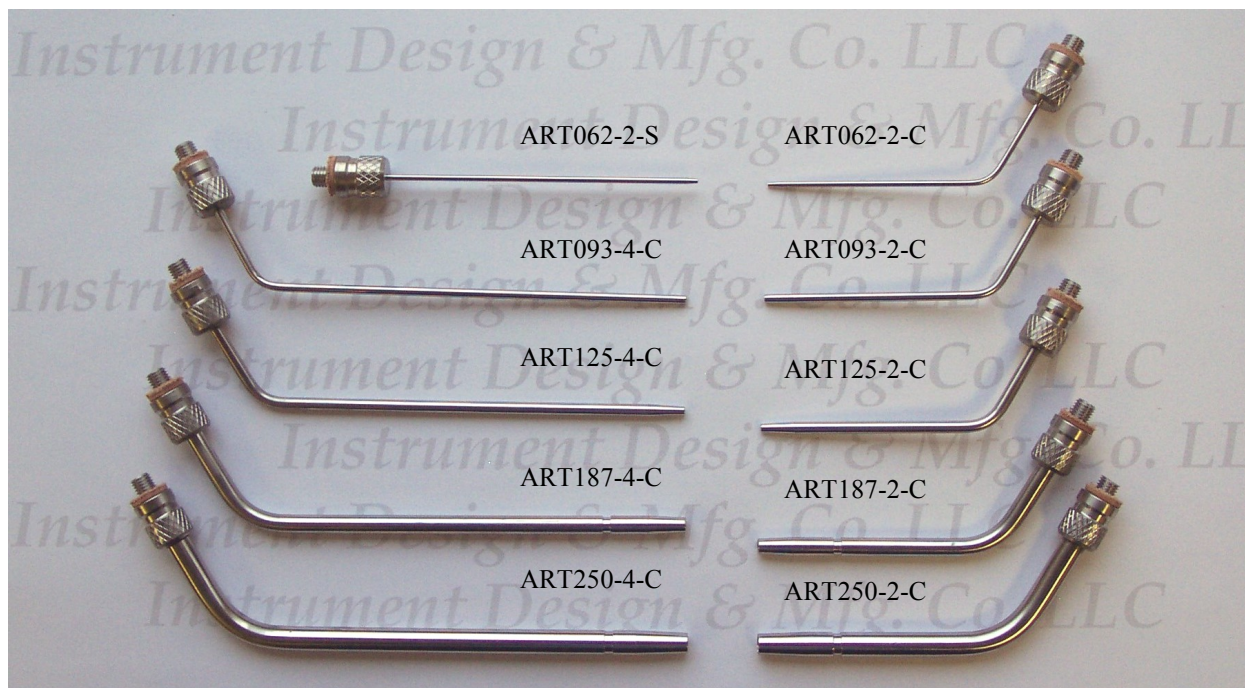
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# INSTRUMENT DESIGN & MFG. CO.

## JetTip™ Stainless Steel Arterial Tubes



- *All Stainless Steel Construction*
- *Precision Straight Nozzle Design*
- *Available in 2" and 4" Working Length*
- *Precision Tie Groove on 3/16" & 1/4" Models*
- *Standard 12-32 Male Threaded Hub*
- *Male Quick Connect And Slip Hub Connection Sold Separately*



Sizes currently in stock include : 1/16", 3/32", 1/8", 3/16, 1/4" Diameters by 2" Working Length Curved  
3/32", 1/8", 3/16, 1/4" Diameters by 4" Working Length Curved  
1/16" Diameter by 2" Working Length Straight

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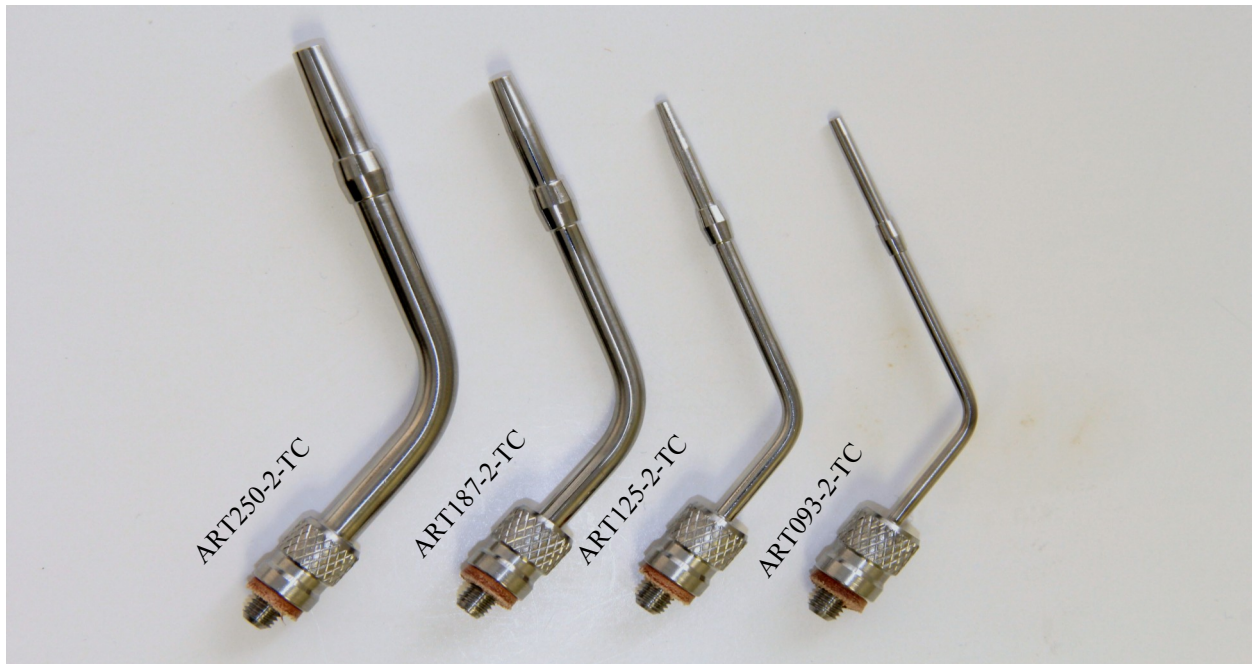
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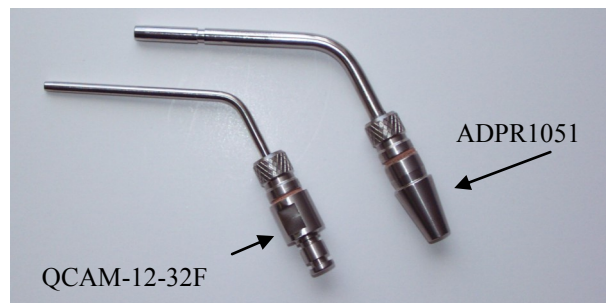
# INSTRUMENT DESIGN & MFG. CO.

## JetTip™ Stainless Steel Arterial Tubes

With Tie Collars



- *All Stainless Steel Construction*
- *Precision Straight Nozzle Design*
- *Available in 2" Working Length*
- *Made In The USA*
- *Precision Tie Collar on all Models*
- *Standard 12-32 Male Threaded Hub*
- *Male Quick Connect And Slip Hub Connection Sold Separately*



Sizes currently in stock include : 3/32", 1/8", 3/16, 1/4" Diameters by 2" Working Length Curved

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# INSTRUMENT DESIGN & MFG. CO.

## Stainless Steel Probe Tip Arterial Tube



- *All Stainless Steel Construction*
- *Precision Straight Nozzle Design*
- *Available in 2" Working Length*
- *Made In The USA*
- *Standard 12-32 Male Threaded Hub*
- *Male Quick Connect And Slip Hub Connection Sold Separately*



Size currently in stock include : 1/16" Diameter by 2" Working Length Curved

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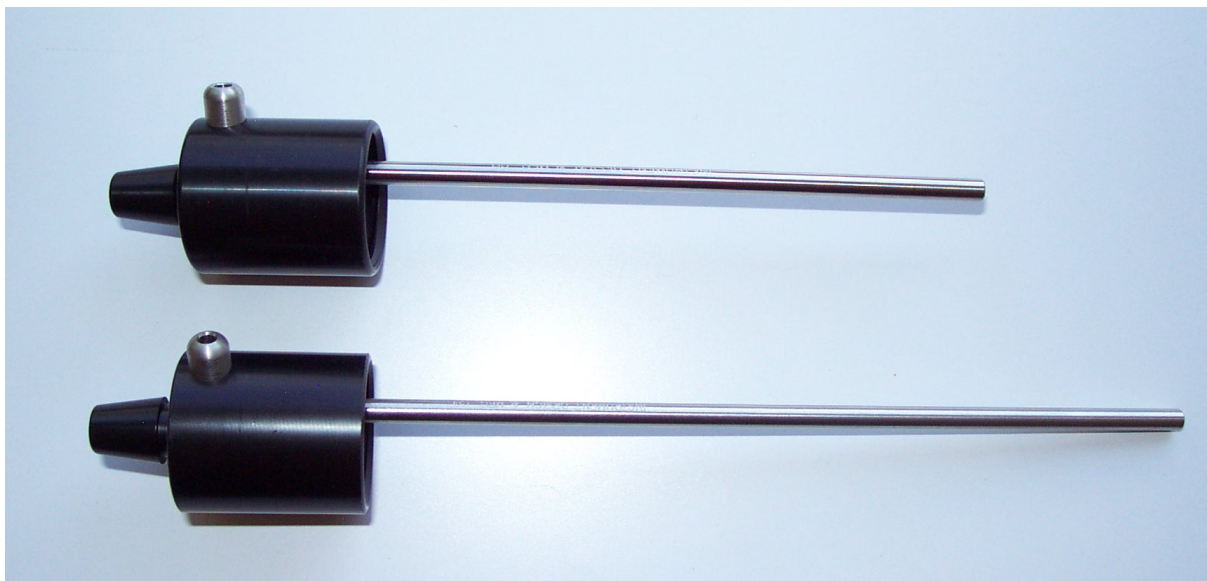
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# *INSTRUMENT DESIGN & MFG. CO.*

## CHEMICAL CAVITY INJECTORS



### **Chemical Cavity Injectors**

Are available in 3,5 and 7 inch lengths. Feature high performance light weight black Delrin body with a stainless steel vent tube and button. The vent tube is pressed into the Delrin body for a secure fit. The tube and inlet button provide high capacity for air flow allowing the liquid to drain faster.

- ***Light Weight***
- ***Stainless Steel Tubing***
- ***Stainless Steel Vent Button***
- ***Slip Hub Hose Connection***
- ***Standard Hose Washer***
- ***Rapid Venting Of Bottle***

---

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# INSTRUMENT DESIGN & MFG. CO.



## Pro Series Drain Tubes™

**Pro Series Drain Tubes™** feature precision machined light weight high performance black Delrin body. Stainless Steel Tube and Components resist corrosion and will not chip. Four precision machined slots provide for increased flow. Easily disassembled for cleaning.

- ***Stainless Steel Construction***
- ***Solid Black Delrin Body***
- ***4 Precision Drain Slots***
- ***Easy to Disassemble***
- ***Easy to Clean***

### *Available sizes:*

<i><b>DRNPS187x5</b></i>	<i><b>3/16" x 5"</b></i>
<i><b>DRNPS187x9</b></i>	<i><b>3/16" x 9"</b></i>
<i><b>DRNPS25 x5</b></i>	<i><b>1/4" x 5"</b></i>
<i><b>DRNPS250x9</b></i>	<i><b>1/4" x 9"</b></i>
<i><b>DRNPS312x5</b></i>	<i><b>5/16" x 5"</b></i>
<i><b>DRNPS312x9</b></i>	<i><b>5/16" x 9"</b></i>
<i><b>DRNPS375x5</b></i>	<i><b>3/8" x 5"</b></i>
<i><b>DRNPS375x9</b></i>	<i><b>3/8" x 9"</b></i>

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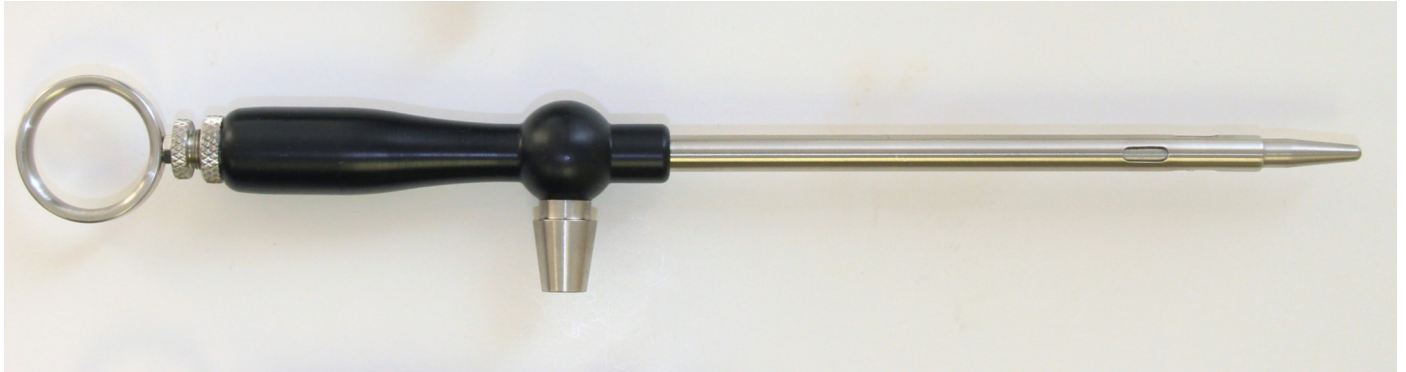
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# *INSTRUMENT DESIGN & MFG. CO.*

## Pro Series Pull Ring Drain Tubes™



**Pro Series Pull Ring Drain Tubes™** feature precision machined light weight high performance black Delrin body with a Precision Stainless Pull Ring and Stainless Steel Tube. Stainless Components resist corrosion and will not chip or corrode. Four precision machined slots provide for increased flow. Easily disassembled for cleaning.



**Pull Ring** features a smooth full compound radii on both the inside and outside diameter and will easily accommodate larger fingers

- ***Stainless Steel Construction***
- ***Solid Black Delrin Body***
- ***4 Precision Drain Slots***
- ***Easy to Disassemble***
- ***Easy to Clean***
- ***Made In The USA***

### ***Available sizes:***

<i><b>DRNPS250 x5</b></i>	<i><b>1/4" x 5"</b></i>
<i><b>DRNPS312x5</b></i>	<i><b>5/16" x 5"</b></i>
<i><b>DRNPS375x5</b></i>	<i><b>3/8" x 5"</b></i>

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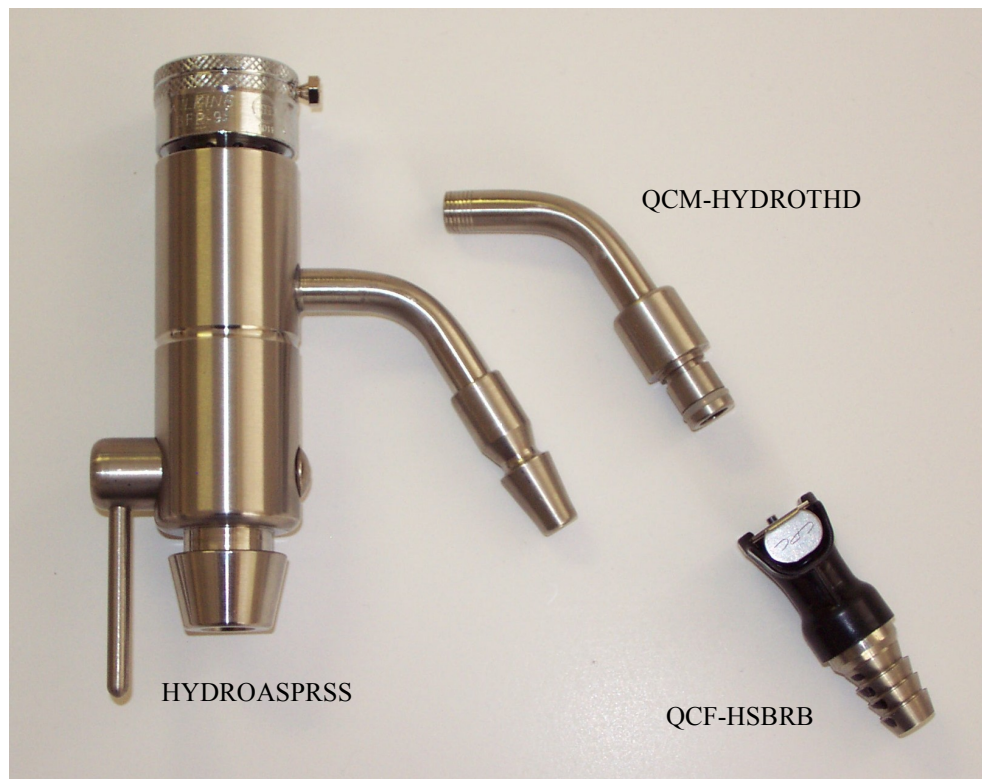
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# INSTRUMENT DESIGN & MFG. CO.

## VACUA HYDRO ASPIRATOR™



- ***Stainless Steel Construction***
- ***Back Flush Valve***
- ***ASSE 1011 Backflow Preventer***
- ***Standard Hose Thread Connection***
- ***Corrosion Resistant***
- ***Replaceable Venturi***
- ***Optional Quick Disconnect***
- ***Optional 5" Extension***

***Our Vacua Hydro Aspirators™ Are Easily Attached To Any Faucet With A Garden Hose Thread. Stainless Construction Resists Attack From Chemicals and Disinfectants. No Chrome Plating To Chip Or Discolor Over Time. Designed for maximum efficiency providing greater vacuum with minimum use of water. Backflow Preventer meets American Society of Safety Engineers ASSE 1011 standard and is required by law in most states.***

*The nonfunctional ornamental design of this product is a Trade Mark of Instrument Design & Mfg. Co. LLC*

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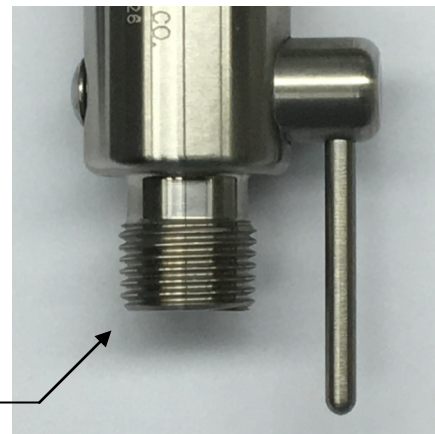
## **VACUA HYDRO ASPIRATOR NPT™**

***Vacua Hydro Aspirator™ with 1/2" National Pipe Thread End***



- ***Stainless Steel Construction***
- ***Back Flush Valve***
- ***ASSE 1011 Backflow Preventer***
- ***Standard Hose Thread Connection***
- ***1/2" NPT Threaded End***

***For built in installation the Vacua Hydro Aspirator NPT™ features a 1/2 NPT thread at the discharge of the aspirator. This feature can also be used for adding a rigid splash pipe or diffuser for sink use.***



*The nonfunctional ornamental design of this product is a Trade Mark of Instrument Design & Mfg. Co. LLC*

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# INSTRUMENT DESIGN & MFG. CO.

## VACUA HYDRO ASPIRATOR™ ACCESSORIES

### Quick Connect Inlet Tube

Easily converts your Vacua Hydro Aspirator to be compatible with our Quick Connect System. Available preinstalled on new Hydro Aspirators or separately to convert your existing Hydro Aspirator



*Backflow Preventer meets American Society of Safety Engineers ASSE 1011 standard.*



### Replacement Backflow Preventer

Backflow Preventer stops contaminated liquid from being drawn back up into the water system. Required by law in most areas.



### Hydro Aspirator Extension

Used to lower Hydro Aspirator in wash sink for easier access and reduced splashing. 5" Length

### 1/2" Pipe To Hose Adapter

Stainless Steel 1/2 NPT Pipe thread to Male Garden Hose Thread.

## INSTRUMENT DESIGN & MFG. CO.

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# *INSTRUMENT DESIGN & MFG. Co.*

## HYPO TROCAR SHAFTS

**Hypo Shafts** feature stainless steel tubing and fitting with a replaceable hardened steel point. The shaft has 2 irrigation holes in addition to the point. The shaft has 2 irrigation holes in addition to the point having two irrigation holes. Sold with point, safety cap and leather washer.

### **TRO6309**

1/8" Dia. x 16.5" Trocar w/ 12-32 Male Threaded Hub w/ TP6325 Point

### **TRO6317**

3/16" Dia. x 16.5" Trocar w/ 12-32 Male Threaded Hub w/ TP6333 Point

### **TRO6317-LG**

3/16" Dia. x 16.5" Trocar w/ 5/16-36 Male Threaded Hub w/ TP6333 Point

### **TRO6325**

1/4" Dia. x 16.5" Trocar w/ 5/16-36 Male Threaded Hub w/ TP6127 Point



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# INSTRUMENT DESIGN & MFG. CO.

## HYPO VALVE



### Trocar Hypo Valve Handle

Features a large comfortable hand grip. The Large stainless steel actuating button features full metering flow control. The button provides smooth and proportional control of liquid flow. When button is raised the flow will smoothly be reduced and not snap shut. Made from high performance Delrin for durability and light weight. 5/16-36 female threads on each end. Adapters and Hypo Shafts sold separately

#### Hypo Valve and Accessory Part Numbers

- HYPOVALVE - Handle with slip hub
- HYPOVALVE-9261 - Handle with slip hub and ADPR9261 Adapter
- HYPOVALVE-9261-QCM - Handle with QCAM-516-36M and ADPR9261 Adapter
- TRO6309 - 1/8"x16.5" Hypo Shaft 12-32 Male Threaded Hub and TP6325 Point
- TRO6317 - 3/16"x16.5" Hypo Shaft with 12-32 Male Threaded Hub and TP6333 Point
- TRO6317-LG - 3/16"x16.5" Hypo Shaft with 5/16-36 Male Thread and TP6333 Point
- TRO6325 - 1/4" x 16.5" Hypo shaft with 5/16-36 Male Thread and TP 6127 Point

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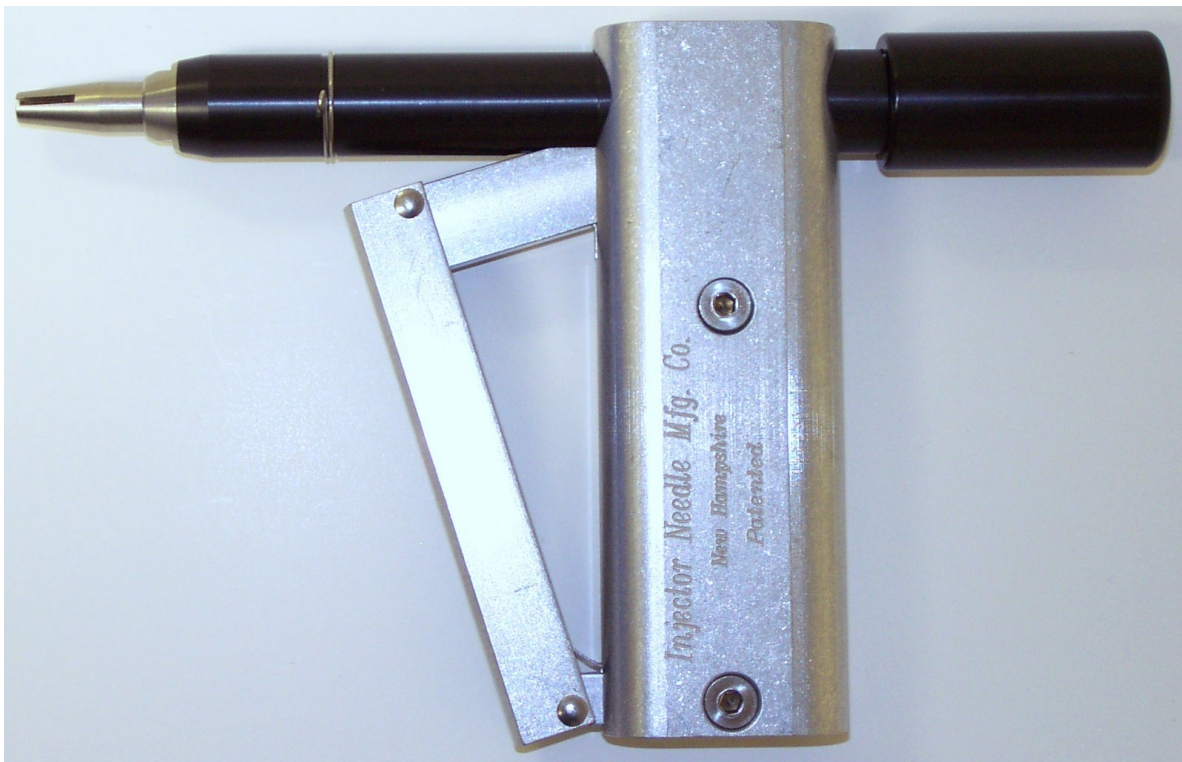
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# *INSTRUMENT DESIGN & MFG. CO.*

## **Injector Needle Driver™**

Patented US D460,174 S



The patented Injector Needle Driver™ is the first of its kind. Features a full comfortable hand grip, stainless steel nose, powerful driving action and a hands free spring clip to keep Injector Needles securely in place. Designed with women in mind, the Injector Needle Driver™ fits comfortably in smaller hands and is easy to squeeze. The end cap can be turned in or out for force adjustment.

- Light Weight Aluminum Handle
- Large Pull Grip
- Delrin Barrel
- Adjustable Force
- Spring Clip To Retain Needle
- Dependable Trigger Action

Injector Needle Driver™ and Genuine Injector Needles are available from leading Prep Room Suppliers. Check out our web site at [www.embalminginstrument.com](http://www.embalminginstrument.com) for our other prep room instruments from Stainless Trocars to Stainless Hydroaspirators.

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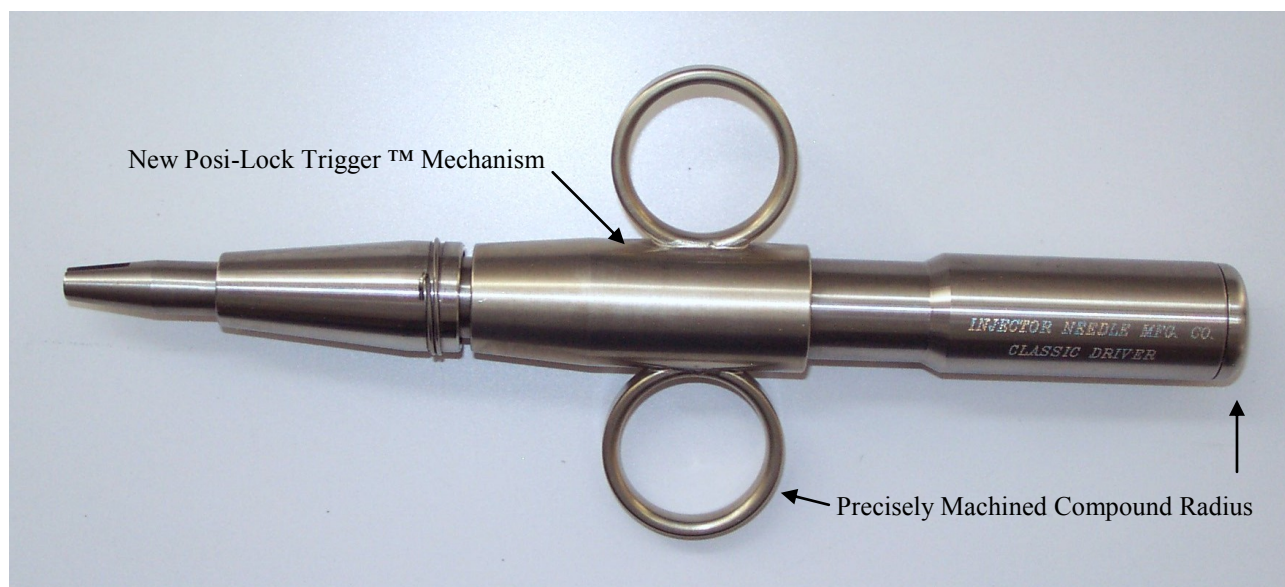
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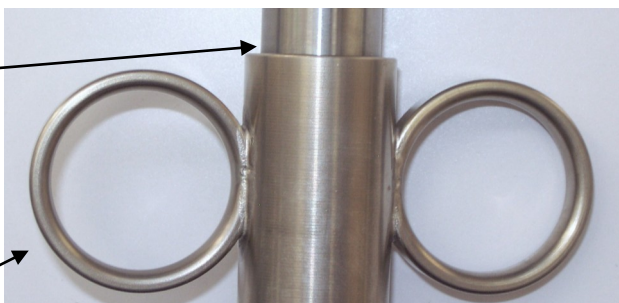


## Classic Injector Needle Driver™ Series II With Posi-Lock Trigger™

- All Stainless Steel Construction
- Larger Finger Loops With Soft Curved Edges
- Smooth Radius End Cap
- Adjustable Force
- Spring Clip To Retain Needle
- Dependable Trigger Action

Posi-Lock Trigger™ prevents misfires when trigger is pulled. Unique design makes positive engagement with hammer eliminating a long history of problems with this design.

Extra Large Finger Loops feature precisely machined compound radius on the inside. The 1" inside diameter easily and comfortably accommodates larger fingers.



Classic Injector Needle Driver™ and Retro Fit Kit™ are sold separately. Available from leading Prep Room Suppliers. Check out our web site at [www.embalminginstrument.com](http://www.embalminginstrument.com) for our other prep room instruments from Stainless Trocars to Stainless Hydoaspirators.

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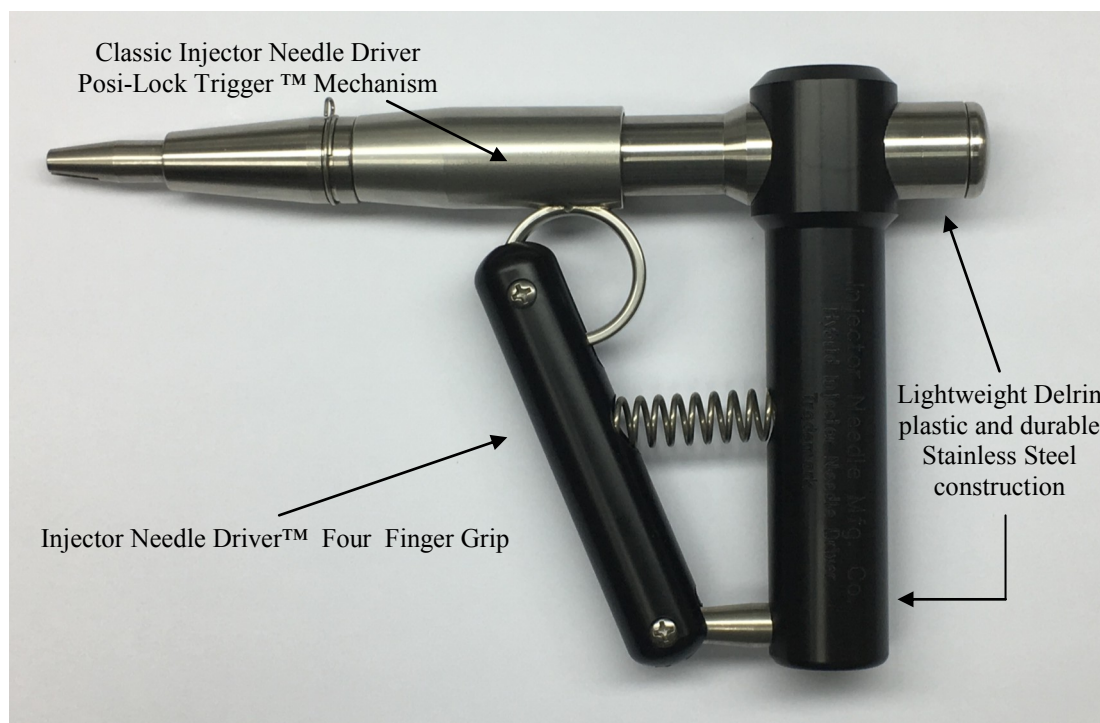
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# *INSTRUMENT DESIGN & MFG. CO.*

## **Hybrid Injector Needle Driver™**

**With Posi-Lock Trigger™**



**The Hybrid Injector Needle Driver™ brings our innovation to a new level. This driver culminates the best aspects of the Injector Needle Driver™ and the Classic Injector Needle Driver II™**

- Classic Injector Needle Driver II™  
Posi-Lock Mechanism
- Injector Needle Driver™ Four Finger Grip
- Smooth pull and Dependable Trigger Action
- Durable Stainless Steel and Lightweight Delrin
- Spring Clip to Retain Needle

Posi-Lock Trigger™ prevents misfires when trigger is pulled. Unique design makes positive engagement with hammer eliminating a long history of problems with this design.

The Hybrid Injector Needle Driver™ will fit very comfortably into your hand, featuring a grip that can easily be pulled with all four fingers.

The Hybrid Injector Needle Driver™ is available from leading Prep Room Suppliers. Check out our web site at [www.embalminginstrument.com](http://www.embalminginstrument.com) for our product videos, repair tutorials and embalming instruments, from Trocars to our Vacua Hydro Aspirator™

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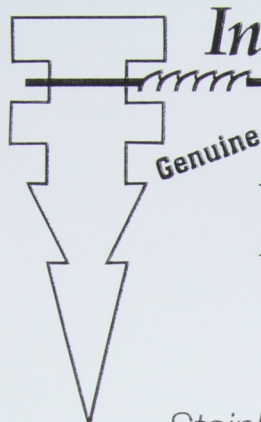
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# *INSTRUMENT DESIGN & MFG. CO.*

## INJECTOR NEEDLES



*Instrument Design & Mfg Co*

**Injector Needles**

Manufactured By: Injector Needle Mfg.Co.

*Stainless Steel Embalming Instruments!*

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

**WARNING: Needles and Wire Ends are SHARP! Advise all users to handle with care!**

### **Genuine Injector Needles**

**Available in Brass (INJNBPB)& Steel (INJNSPB) Wire, 1 Gross Per Package**

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# *INSTRUMENT DESIGN & MFG. CO.*

## **“Y” MANIFOLDS**



### **“Y” Manifolds**

These versatile manifolds allow user to mix and match the fittings allowing for easy connection of various types of instruments. The main body is available in stainless steel or high performance black Delrin. Slip hubs and various other fittings sold separately. Fittings available with o-rings for invisible seal or leather washers.

#### **Available Fittings**

- **ADPR1053** - Slip Hub x 5/16-36 Male Thread
- **ADPR9261** - 5/16-36 x 12-32 Female Thread
- **ADPR9262** - 5/16-36 x 12-32 Male Thread
- **QCAM-5/16-36M** - Male Quick Connect x 5/16-36 Male Thread

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# *INSTRUMENT DESIGN & MFG. CO.*

## VACUA NASAL ASPIRATORS™



### **Vacua Nasal Aspirators™**

Features all stainless steel construction with a smooth radius probe end. Tube has 2 side inlet holes and center end hole for efficient extraction of fluids. Seamless stainless tubing will not chip, peel or corrode. Both sizes available with male Quick Connect fitting for easy on and off connection when switching from Nasal Tube to Trocars or other QC instruments.

#### **Nasal Tube and Accessories**

- **ASPR8800** Adult Vacua Nasal Aspirator w/ Slip Hub
- **ASPR8800QCM** Adult Vacua Nasal Tube w/ Male Quick Connect
- **ASPR8810** Infant Vacua Nasal Tube w/ Slip Hub
- **ASPR8810QCM** Infant Vacua Nasal Tube w/ Male Quick Connect
- **QCF-HSBRB** Female Quick Connect for end of hose.



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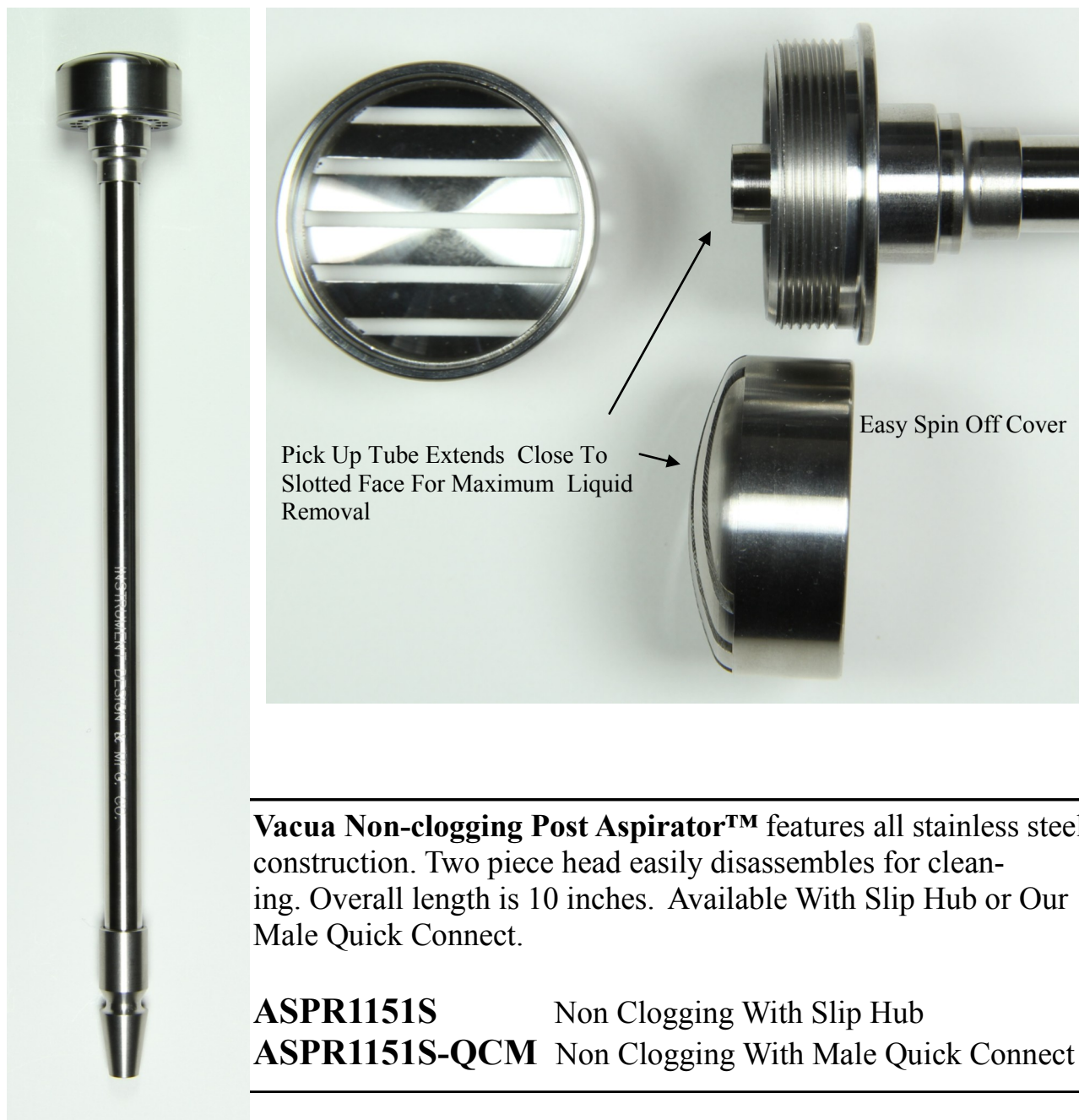
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Unit 6  
Bedford, NH 03110

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Web Site: [www.embalminginstrument.com](http://www.embalminginstrument.com)

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## VACUA NON CLOGGING POST ASPIRATOR™



**Vacua Non-clogging Post Aspirator™** features all stainless steel construction. Two piece head easily disassembles for cleaning. Overall length is 10 inches. Available With Slip Hub or Our Male Quick Connect.

**ASPR1151S** Non Clogging With Slip Hub

**ASPR1151S-QCM** Non Clogging With Male Quick Connect

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## VACUA POST ASPIRATOR™



Pick Up Tube Extends Close To Face For Maximum Liquid Removal

**Vacua Post Aspirator™** features all stainless steel construction. Easily Removable Head, Overall Length Is 10 Inches. Available With Slip Hub Or Our Male Quick Connect.

**ASPR1169** Post Aspirator With Slip Hub

**ASPR1169-QCM** Post Aspirator With Male Quick Connect

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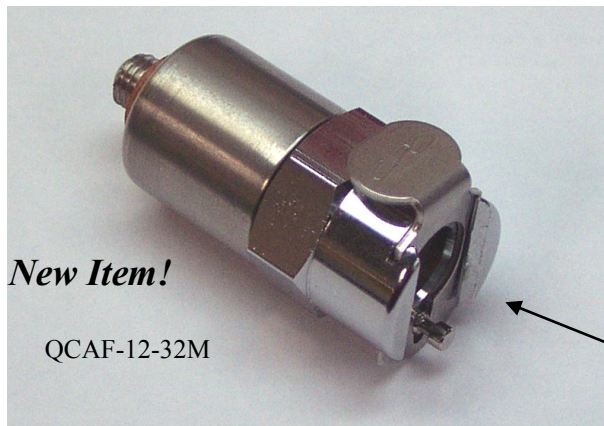
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## ARTERIAL QUICK CONNECTS

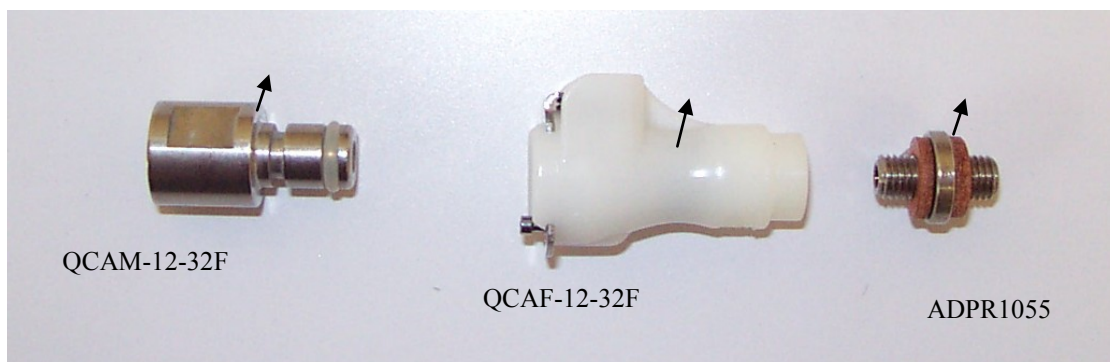


**New Item!**

QCAF-12-32M



**QCAF-12-32M** Features all metal construction and 12-32 male thread for connection to most high pressure eliminating the need for the ADPR1055



QCAM-12-32F

QCAF-12-32F

ADPR1055

### Quick Connect System for Embalming Machines

For use with pressure lines from your embalming machine with 12-32 female thread. ADPR1055 threads into the hose end followed by QCAF-12-32F, next install a QCAM-12-32F on your arterial tubes or any other attachments with 12-32 male thread.



QCAM-HSBRB  
Male Quick Connect to Hose Barb



QCAM-516-36M  
Male Quick Connect to 5/16-36 Male Thread  
For most Hypo Valve Handles

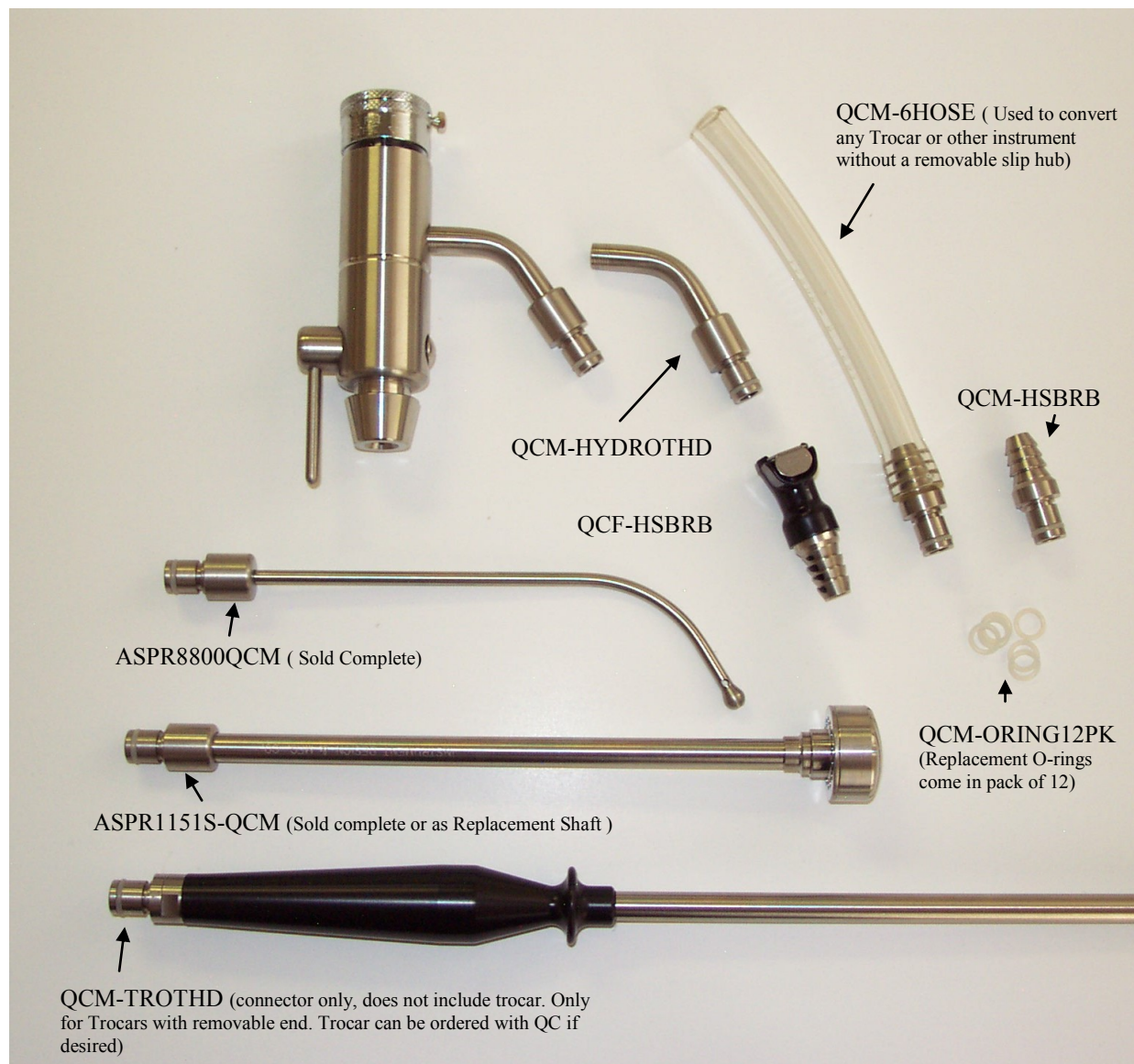
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## QUICK CONNECTS



**Side Button Quick Connects** are machined specifically for embalming applications. The straight thru no gap design eliminates clogging obstructions. For use with Hydro Aspirators, Trocars, Post Aspirators and Nasal Tubes. Check out our website at [www.embalminginstrument.com](http://www.embalminginstrument.com) or call for more detailed application information.

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# *INSTRUMENT DESIGN & MFG. Co.*

## Side Button Quick Connects Trocar Series

Our Quick Connects are specifically designed for use with Trocars, Post Aspirators, Hydro Aspirators, and related Instruments. Features include Stainless Steel and Delrin construction, flow thru design with no internal restrictions, easy to clean, and no internal parts to clog or corrode. Easy to actuate Side Button accommodates single hand operation for easy release or connecting. Special adapters available for most applications.

Part# QCF-HSBRB is a female QC to male hose barb for use with 3/8" ID hose.



QCF-HSBRB

Part# QCM-TROTHD is a male QC to Male 3/8-24 Thread for Instrument Design Trocars ( Please note: Only for trocars with removable slip hubs. See below to identify which type you may have. If ordering a new Trocar be sure to request a QC compatible Trocar.)

QCM-TROTHD

Instrument Design Trocar with removable slip hub.



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## Side Button Quick Connects Trocar Series (Cont.)

QCAM-QCF allows for easy connection from your embalming machine directly to your trocar.



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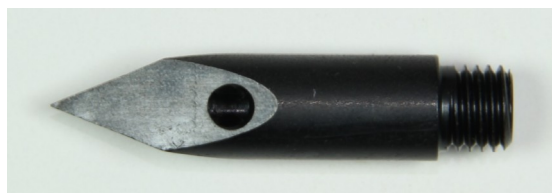
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## TROCAR POINTS

Our Trocar Points feature precision machined threads, clean see through slots/holes with no chips, and sharp uniform edges and points.



TP6325 1/8" Hypo Trocar Point  
Fits TRO6309 Hypo Shaft



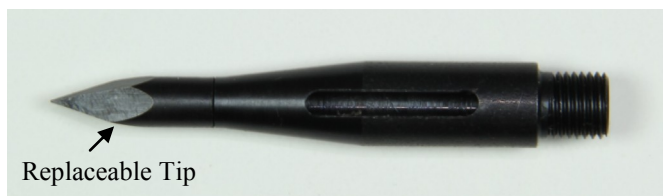
TP6101 3/8" Standard Trocar Point  
Fits Slaughter and Dodge "Standard" 3/8" Trocars



TP6333 3/16" Hypo Trocar Point  
Fits TRO6317 Hypo Shaft



TP6119 5/16" Standard Trocar Point  
Fits Slaughter and Dodge "Standard" 5/16" Trocars



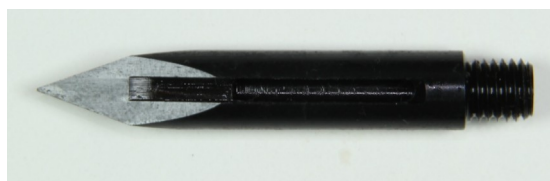
TP6820 5/16" Dynamic Trocar Point  
TP6838-6PK Replacement Tips Sold 6 Per Pack  
Fits all 5/16" Dynamic Trocars



TP6127 1/4" Standard Trocar Point  
Fits Slaughter and Dodge "Standard" 1/4" Trocars



TP6762 3/8" Dynamic Trocar Point  
TP6770-6PK Replacement Tips Sold 6 Per Pack  
Fits all 3/8" Dynamic Trocars



TP6234 5/16" "Conventional" Trocar Point  
Fits Slaughter and Dodge "Conventional" and Visible Flow 5/16" Trocars

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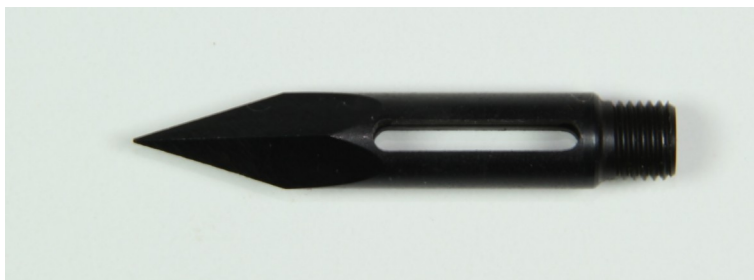
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## TROCAR POINTS (CONT.)

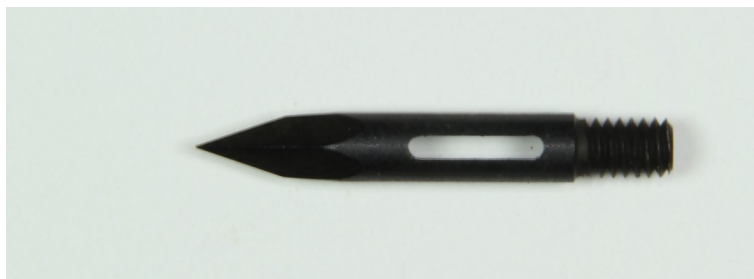
Our Trocar Points feature precision machined threads, clean see through slots with no chips, and sharp uniform edges and points.



TP6408                      3/8" Trocar Point  
Fits IDMC TRO375-XX-BP , Dodge TRO-DG375-XX-BP, and  
Slaughter 816 Series Trocars



TP6416                      5/16" Trocar Point  
Fits IDMC TRO312-XX-BP , Dodge TRO-DG312-XX-BP, and  
Slaughter 817 Series Trocars



TP6432                      3/16" Trocar Point  
Fits IDMC TRO187-XX-BP , Dodge TRO-DG187-XX-BP, and  
Slaughter 819 Series Trocars

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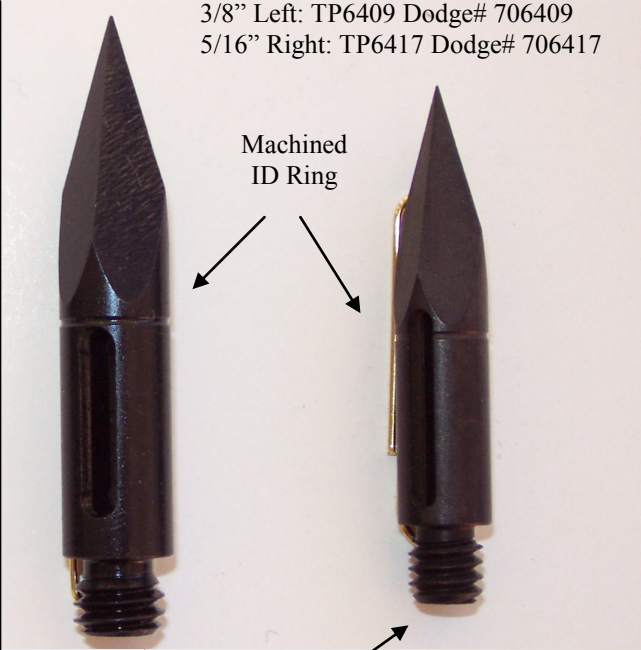
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## DODGE TROCAR POINTS

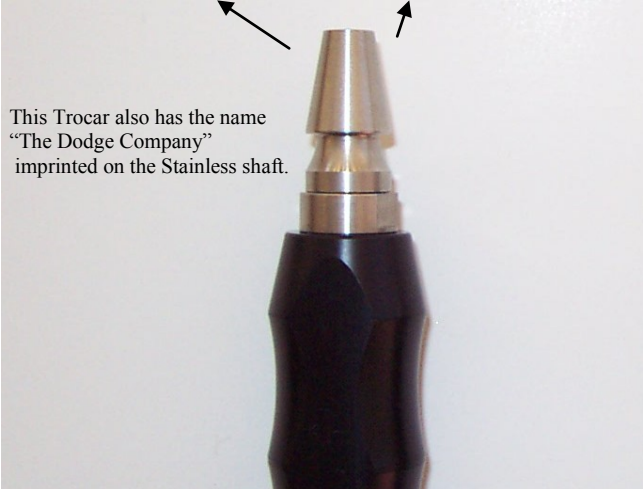
5/16" Left: TP6416 Dodge# 706416  
3/8" Right: TP6408 Dodge# 706408



3/8" Left: TP6409 Dodge# 706409  
5/16" Right: TP6417 Dodge# 706417



This Trocar also has the name  
"The Dodge Company"  
imprinted on the Stainless shaft.



### How To Identify Correct Trocar Point

Earlier Dodge Trocars have a different Trocar point thread than the current Trocars. The pictures above show how to identify which Trocar you have and the part numbers for each Trocar Point.

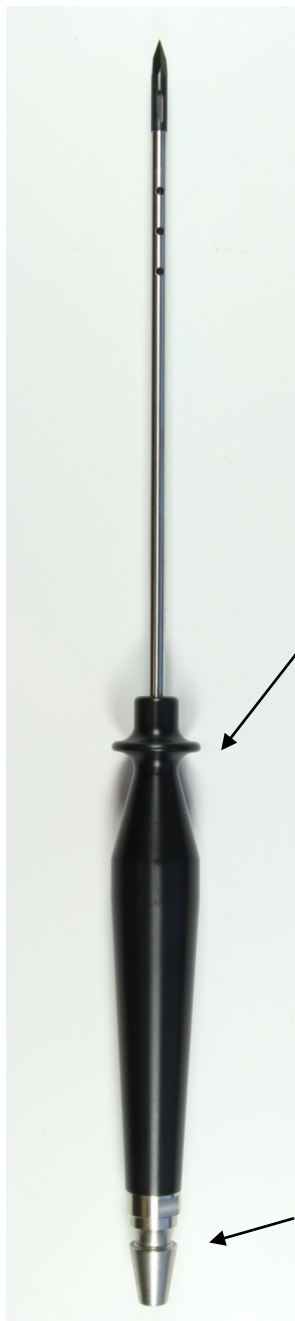
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# INSTRUMENT DESIGN & MFG. Co.

## 3/16" Stainless Steel Trocars



Our 3/16" Diameter Trocars feature stainless steel tubing and fittings, high performance light weight Delrin hand grip, and a precision hardened trocar point. All trocars come with a easy to remove safety cap for the point.

### Available Lengths

TRO187-07-BP	3/16" x 7"
TRO187-12-BP	3/16" x 12"
TRO187-16-BP	3/16" x 16"
TRO187-18-BP	3/16" x 18"

The High Performance Grip is 1/6 the weight of an all metal grip. In addition it won't chip, peel or corrode. Once you try our lightweight trocar with the strength of stainless tubing you will never go back!

3 pairs of irrigation holes are offset from the corresponding holes on the opposite side providing greater strength by leaving more tube wall intact and not creating a weak point. The arrows point to both the visible hole and the location of the opposite side. This same procedure is also done on our 1/8" and 3/16" Hypo Shafts.

Our Trocars feature a removable slip hub for easy conversion to our easy Quick Connect System.



The nonfunctional ornamental design of this product is a Trade Mark of Instrument Design & Mfg. Co. LLC

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# INSTRUMENT DESIGN & MFG. Co.

## 5/16" & 3/8" Stainless Steel Trocars

Our 5/16" and 3/8" Diameter Trocars feature stainless steel tubing and fittings, high performance light weight Delrin hand grip, and a precision hardened trocar point. All trocars come with a easy to remove safety cap for the point.

### Available Lengths

TRO312-16-BP	5/16" x 16"
TRO312-18-BP	5/16" x 18"
TRO312-20-BP	5/16" x 20"
TRO375-16-BP	3/8" x 16"
TRO375-18-BP	3/8" x 18"
TRO375-20-BP	3/8" x 20"
TRO375-22-BP	3/8" x 22"

The High Performance Grip is 1/6 the weight of an all metal grip. In addition it won't chip, peel or corrode. Once you try our lightweight trocar with the strength of stainless tubing you will never go back!

Three pairs of irrigation holes provide for dependable evacuation of liquids while filtering larger debris which may cause clogging. Stainless Tubing provide a smooth surface on the inside making it easier for clots and fatty tissue to pass without clogging.

Our Trocars feature a removable slip hub for easy conversion to our easy Quick Connect System.



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# INSTRUMENT DESIGN & MFG. Co.

## 5/16" & 3/8" Stainless Dynamic Trocars



Our 5/16" and 3/8" Diameter Dynamic Trocars feature stainless steel tubing and fittings, high performance light weight Delrin hand grip, and a precision hardened 2 piece trocar point. All trocars come with a easy to remove safety cap for the point.

### Available Lengths

TRODYN312-16-BP	5/16" x 16"
TRODYN312-19-BP	5/16" x 19"
TRODYN375-16-BP	3/8" x 16"
TRODYN375-19-BP	3/8" x 19"

### Replacement Trocar Points:

5/16" Trocars	TP6820
5/16" Replaceable Tips	TP6838-6PK
3/8" Trocars	TP6762
3/8" Replaceable Tips	TP6770-6PK
( Tips sold 6 per package)	

The High Performance Grip is 1/6 the weight of an all metal grip. In addition it won't chip, peel or corrode. Once you try our lightweight trocar with the strength of stainless tubing you will never go back!

Stainless Tubing provide a smooth surface on the inside making it easier for clots and fatty tissue to pass without clogging.

Our Trocars feature a removable slip hub for easy conversion to our easy Quick Connect System.



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## Comfort Grip Trocars™



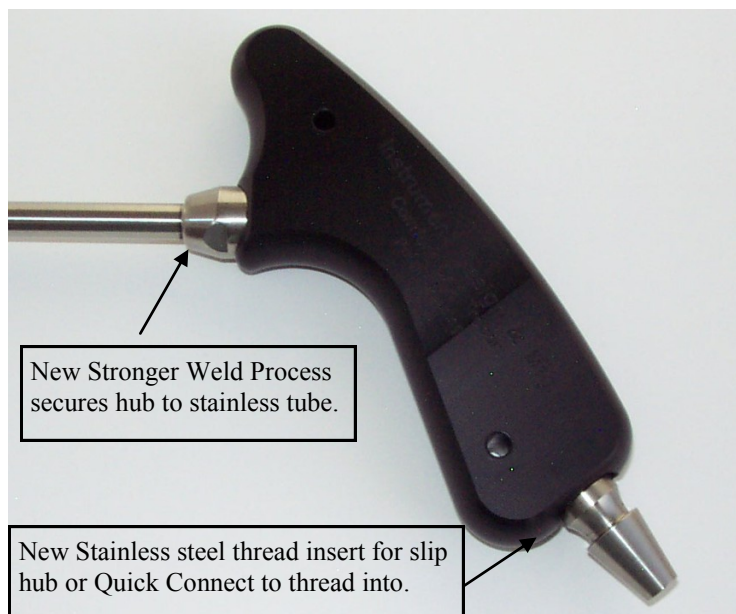
Introducing the first real change in a Trocar Grip. The New Comfort Grip Trocar™ by Instrument Design & Mfg. Co. is the first truly ergonomic grip on the market. The light weight plastic grip sits comfortably in the palm of your hand. The entire palm of the hand is used to grip the Trocar unlike standard grips where the fingers must be gripped tightly to securely hold the Trocar. The shape of the Comfort Grip is engineered so the straight line force of the shaft centers on the strongest part of the hand. These features greatly reduces hand fatigue. Trocars features 3 pairs of holes and standard 4 sided double slotted Trocar point. Our Comfort Grip Trocars are available with a slip hub connection or our new Side Button Quick Connect fitting.

### Available In These Popular Sizes:

TROCG312-16	5/16" x 16"
TROCG312-18	5/16" x 18"
TROCG375-16	3/8" x 16"
TROCG375-18	3/8" x 18"
TROCG375-20	3/8" x 20"

### Replacement Trocar Points:

5/16" uses TP6416  
3/8" uses TP6408



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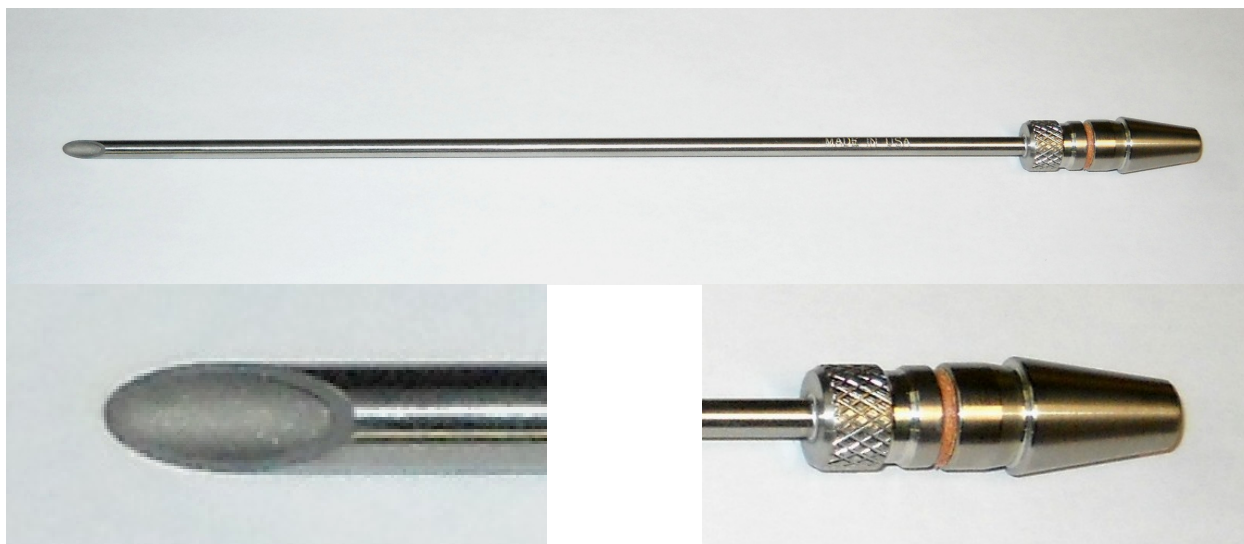
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## 5/32" x 8" Hypo / Infant Trocar

TRO6010SH :

All Stainless Steel construction with ground angle point, 12-32 male thread and a removable slip hub



## Trocar Button Tool

TRO1128:

Trocar Button Tool fits most trocar buttons. Features easy twist round shape with a flat to prevent rolling off table.



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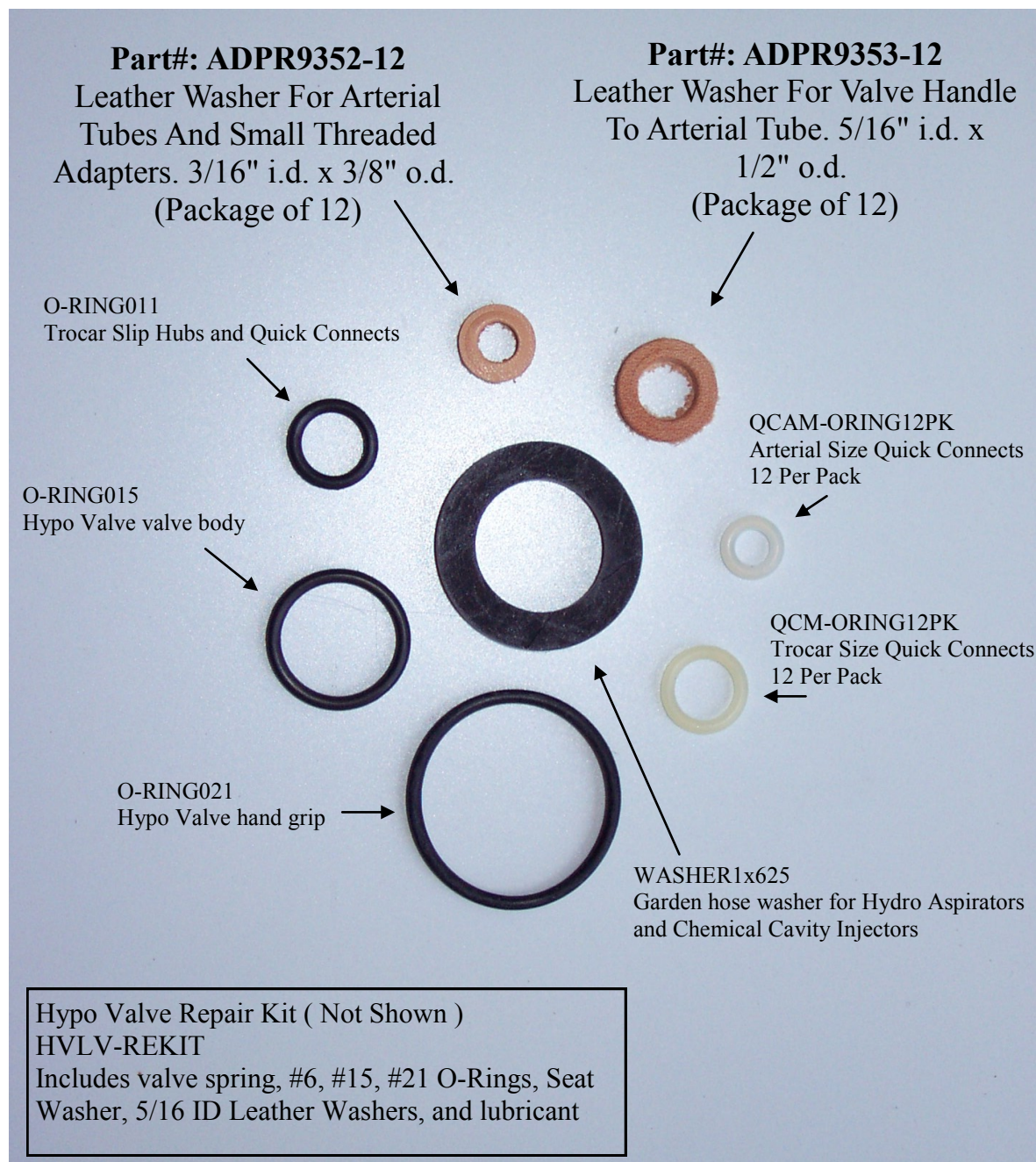
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## O RINGS & WASHERS



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## Misc. Repair Parts

Repair parts are available through your distributor. Should you need assistance determining which replacement parts you need or correct part numbers please feel free to contact us.



Drive Pin for Drivers:

DVR1040     Injector Needle Driver™

DVRCL1030   Classic Injector Needle Driver™



Drive Pin Spring:

DVR1050     Fits Both Drivers



Spring Clip:

DVR1200     Fits Both Drivers

Barrel:

DVR2010     For Injector Needle Driver



### **Not Shown**

DVRCL-BR-KIT	Classic Driver replacement balls and spring kit
DVR1120	Pawl Catch Spring
DVR1140	Pull Grip Spring ( Flat stainless 1/4" x 2" )

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