

# AS SERIES

## Anti-Seize Lubricating Compounds

Used in these high performance applications:

- PUMPS
- VALVES
- SHAFTS
- DRIVES
- FLANGES
- FITTINGS
- MOTOR MOUNTS
- ADAPTORS
- CAM ROLLERS
- GUIDES
- VALVE STEMS
- GLAND PLATES
- PRESS FITS
- KEYWAYS
- BEARINGS
- FASTENERS
- PUGS
- DIES
- PUNCHES
- DRILLS
- TAPS
- STUDS
- BOLTS
- GEARS
- PULLEYS
- CHAIN
- LIFTS
- COUPLINGS

The **AS SERIES** represents the highest quality products for protecting machinery and equipment. These products offer the ultimate in protection and significant cost savings in both MRO and OEM applications. The **AS SERIES** of anti-seize products is compounded using the highest quality, heat resistant lubricants. Combine this with fine metallic particles and graphite, produces an extreme pressure lubricating compound that prevents galling, galvanic pitting, friction, corrosion, water wash out, and cold welding. These anti-seize compounds help provide constant, uniform, torque tension, speed assembly and disassembly, are non hardening, and will not drip. The **AS SERIES** products will greatly reduce costly and time consuming maintenance operations.



**Tech Tip**  
Innovative packaging to meet any need or requirement you may have. From 1cc to 55 gallon drums.



**SPECIFIC GRAVITY**  
**WEIGHT PER GALLON**  
**PENETRATION**  
**OIL SEPARATION**  
**FLASH POINT**  
**COLOR**  
**FRICITION COEFFICIENT**

<b>AS SERIES</b>							
<b>AS 201 PREMIUM</b> A copper, aluminum, and graphite compound, formulated to lubricate and protect threads, connections, flanges and other metal parts from rust, galling, and seizing. Temperature performance to +2,000° F, resist galvanic attack.	1.20	10 lb.	320-350'	<1%	450° F	Aluminum	.10
<b>AS 202 COPPER</b> Prevents against corrosion, rust, galling, seizing, pitting. Provides lubricating properties to threaded parts, with temperature resistance to +1,800° F.	1.20	10 lb.	320-350'	<1%	450° F	Copper	.10
<b>AS 203 NICKEL</b> Ideal for high temperature applications up to +2,600° F and when dissimilar metals are being joined. Excellent for stainless fittings and harsh environments.	1.20	10 lb.	320-350'	<1%	450° F	Nickel	.10

Packaging: Anti-seize products are available in 5 ounce brush top cans, 8 ounce brush top cans, 12.5 ounce aerosol cans, 1 pound brush top cans, 2.5 brush top cans, 8 pound cans, and 42 pound pails. Special packaging is available upon request.

## **FLEX SILICONE SERIES**

**Used in these  
high performance  
applications:**

APPLIANCES  
AUTOMOTIVE TRIM  
NAME PLATES  
SIGNS  
SIGN LETTERS  
SEALING DEVICES  
DUCTWORK  
COMPRESSORS  
GEARBOXES  
PUMPS  
FLASHING VENTS  
ELECTRICAL BOXES  
MARINE HOUSINGS  
TRUCK CABS  
PIPE JOINTS  
OVENS  
REFRIGERATION EQUIPMENT  
ELECTRICAL EQUIPMENT  
CIRCUIT BOARDS  
REGULATORS  
JUNCTION BOXES  
TOYS  
WHEEL COVERS

The **FLEX SILICONE SERIES** is designed to meet a wide variety of industrial bonding and sealing applications. While each sealant has unique characteristics that make it particularly suited to certain applications, there are some properties common to all the products because of the silicone compounds used. The **FLEX SILICONE SERIES** is extremely versatile and bonds to a wide range of similar and dissimilar materials. All of the **FLEX SILICONE SERIES** are designed to provide good adhesion and sealing properties for many assembly applications. They are used on glass, ceramics, masonry, wood, painted surfaces, metal and plastics. These products offer maximum flexibility, provide a positive seal, and excellent high/low end temperature stability.



Need a  
sample of any  
of our products? Just  
call 1-800-552-0299

**Tech  
Tip**



**COLOR**

**VISCOSITY**

**TEMP RANGE**

**HARDNESS**

**TAC FREE**

**PACKAGING**

**FLEX SILICONE SERIES – One Part Silicones**

<p><b>FLEX 1100</b> Multi-purpose silicone for use in numerous bonding and sealing applications. (Acetoxy)</p>	Clear, Black, Blue, White, Aluminum	Non-Sag Gel	-85 to 450° F	30 Shore A	15-20 Min.	10.3 oz. cart 4.5 gal pail 55 gal. drum
<p><b>FLEX 1200</b> Low odor silicone, neutral cure sealant, fast curing, used in many of the same applications as FLEX 1100. (Oxime)</p>	Clear, White	Non-Sag Gel	-85 to 450° F	28 Shore A	15-20 Min.	10.3 oz. cart 4.5 gal pail 55 gal. drum
<p><b>FLEX 1300</b> High performance, high temperature adhesive/sealant. Continuous temperature resistance to 500° F, intermittent to 600° F. (Acetoxy)</p>	Red	Non-Sag Gel	-85 to 500° F	30 Shore A	15-20 Min.	10.3 oz. cart 4.5 gal pail 55 gal. drum

Packaging: Flex Silicone products are available in 3 ounce tubes, 10.3 ounce cartridges, 5 gallon pails, and 55 gallon drums. Special packaging is available upon request.



# **DISPENSING SOLUTIONS**

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Reliable, consistent, and dependable are just a few features that characterize our dispensing systems. **ADHESIVE SYSTEMS, INC.** provides dispensing application solutions through our staff of technical application specialist. These solutions range from hand held applicators to fully automated systems, microprocessor controllers, precision dispensing valves, and a complete family of accessories. By taking all the guesswork out of the application process through precision dispensing, finished product quality is greatly improved, faster production rates are achieved, waste is reduced, and assembly personnel have minimum contact with the material. Our staff of technical application specialists provide an effective and efficient results orientated approach, specifically engineered for your specific application.



## **AUTOMATIC DISPENSING** Application Solutions

**Reduce cost, improve quality,  
through precision dispensing.**

**Tech Tip**  
Our Application Engineers can evaluate your application and make product recommendations at your facility. Call 1-800-552-0299 to arrange a visit.

### **DS99025 Complete Manual Dispensing System**

- Easy to use
- Versatile
- Operates off air pressure only
- Hand-held applicator
- Dispense directly from one pound bottle



### **DS99003 Shot Valve**

Ideal for continuous micro shot applications. Adjustable for shot size and flow rate. Air actuated valve for semi or fully automated operation.

### **DS99030 Syringe System**

- Precise application of thin to paste-like material
- Solid state controller and timer
- Timed shot for precise dispensing with excellent repeatability
- Syringe system



### **DS99050 Complete Valve System**

- Precise metering and flow control
- Positive shut-off valve with adjustable diaphragm
- All wetted parts made of Teflon
- Excellent repeatability
- Time shot controller
- 1 quart to 5 gallon material reservoir



### **DS99004 Diaphragm Valve**

Excellent for precision dispensing. The work horse for dispensing cyanoacrylates, UV's, and anaerobics. Positive shut off, no seals, adjustable fluid-flow control, easy cleaning, on line serviceability, cycle rates of up to 500 per minute, compact size and weight. Pneumatic operation allows for precise control, repeatability, and accuracy.

# DS99000 S/V DIGITAL CONTROLLER

## Reliable

## Dependable, Performance

## **EVERYTIME!**

- Easy to use
- Dispenses a wide range of single component adhesives
- Capable of dispensing 600 cycles per minute
- Timing range from 0.020 to 60,000
- Repeat tolerance +/- 0.001%
- LCD Digital Display
- Dispense modes both continuous and timed
- Foot pedal or finger switch operated
- Used with the DS99004 Diaphragm Valve or Syringe System



## PRESSURE TANKS

**DS99300 pressure reservoir** for 1 pound bottles of the **ADVANCE PERFORMANCE SERIES** and 250 ml **TORQUE SERIES** products.

**DS99305 pressure tank** for the 4.4 bottles. Larger size tank for less change outs of material.

**DS99310 pressure reservoir** for 250 cc and 1 pound bottles. See through acrylic chamber allows for monitoring of material. Chamber dimensions are 4" I.D. by 8" in height. Maximum pressure to 30 psi.

**DS99315 pressure reservoir** for 250 cc bottles and 1 pound bottles. Ideal for higher viscosity materials or larger volume dispensing. Chamber dimensions are 6" I.D. by 8.5" in height. Maximum pressure to 100 psi.

**DS99320 pressure reservoir** for 4.4 pound containers and 1 liter containers. Excellent for applications that require high flow volumes. Maximum pressure to 100 psi.

## Engineering Excellence

For technical information and support call **1-800-552-0299** or visit our website at

**[www.instantca.com](http://www.instantca.com)**



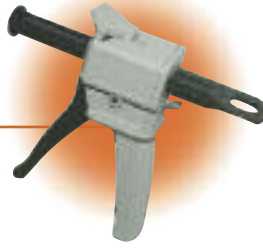
# Adhesive Systems, Inc.

## DISPENSING GUNS

Two Component Materials

### DS99500 50 Mil Manual Gun

Available with 1:1 plunger. Please specify if you need a 2:1 or 10:1 plunger.



### DS99500PG 50 Mil Pneumatic Gun

Available in ratio's for 1:1, 2:1



### DS99965 200 Mil Manual Gun

Available in ratio's for 1:1, 2:1, 4:1, and 10:1



### DS99505 200 Mil Pneumatic Gun

Available in ratio's for 1:1, 2:1



### DS99515 380 Mil Manual Gun

For 10:1 CoAxial



### DS99517 380 Mil Pneumatic Gun

For 10:1 CoAxial



### DS99510 400 Mil Manual Gun

Available in ratio's for 1:1, 2:1, 4:1, and 10:1



### DS99511 400 Mil Pneumatic Gun

Available in ratio's for 1:1, 2:1, 4:1, and 10:1



### DS99490 490 Mil Manual Gun

For 10:1 side by side



### DS99490PN 490 Mil Pneumatic Gun

For 10:1 side by side

# APPLICATION HELPERS



<b>DISPENSING TIPS, Stainless Steel dispensing Tips</b>													
PART NUMBER	COLOR	GAUGE	I.D. INCHES	I.D. MM	LENGTH INCHES		PART NUMBER	COLOR	GAUGE	I.D. INCHES	I.D. MM	LENGTH INCHES	
<b>DS14-5M</b>	99600	Alum	14	.063	1.60	.5	<b>DS21-1</b>	99616	Green	21	.020	50	1
<b>DS14-1M</b>	99601	Alum	14	.063	1.60	1	<b>DS22-5</b>	99617	Black	22	.016	.40	.5
<b>DS14-2M</b>	99602	Alum	14	.063	1.60	2	<b>DS22-1</b>	99618	Black	22	.016	.40	1
<b>DS15-5M</b>	99603	Alum	15	.054	1.37	.5	<b>DS22-1M</b>	99619	Alum	22	.016	.40	1
<b>DS15-1M</b>	99604	Alum	15	.054	1.37	1	<b>DS23-.25</b>	99620	Lt. Blue	23	.013	.33	.25
<b>DS15-1.5M</b>	99605	Alum	15	.054	1.37	1.5	<b>DS23-5</b>	99621	Lt. Blue	23	.013	.33	.5
<b>DS16-1M</b>	99606	Alum	16	.047	1.19	1	<b>DS23-1</b>	99622	Lt. Blue	23	.013	.33	1
<b>DS18-5</b>	99607	Pink	18	.033	.84	.5	<b>DS23-1M</b>	99623	Alum	23	.013	.33	1
<b>DS18-1</b>	99608	Pink	18	.033	.84	1	<b>DS25-5</b>	99624	Blue	25	.010	25	.5
<b>DS18-1M</b>	99609	Alum	18	.033	.84	1	<b>DS25-1M</b>	99625	Alum	25	.010	25	1
<b>DS18-1.5M</b>	99610	Pink	18	.033	.84	1.5	<b>DS26-.25</b>	99626	Beige	26	.010	25	.25
<b>DS19-5</b>	99611	Brown	19	.027	.69	.5	<b>DS26-.5</b>	99627	Beige	26	.010	25	.5
<b>DS19-1</b>	99612	Brown	19	.027	.69	1	<b>DS26-1</b>	99628	Beige	26	.010	25	1
<b>DS20-5</b>	99613	Yellow	20	.024	.61	.5	<b>DS27-.25</b>	99629	Grey	27	.008	20	.25
<b>DS20-1</b>	99614	Yellow	20	.024	.61	1	<b>DS27-.5/16</b>	99630	Grey	27	.008	20	.25
<b>DS21-5</b>	99615	Green	21	.020	.50	.5							

## STATIC MIXERS

**DS991018 8.5 inch static mixer**, luer lock style for 490 mil kits.



**DS99550 6 inch static mixer**, luer lock style for 50 mil kits.



**DS99202** for 400 mil kits.



**DS99560 needle adapter for static mixers.** Allows the use of dispensing tips for more accurate and precise application.

# Adhesive Systems, Inc.

## PLASTIC FLEXIBLE DISPENSING TIPS

(Flexible polypropylene tips/polypropylene locking hub)



	PART NUMBER	COLOR	GAUGE	I.D. INCHES	I.D. MM	LENGTH INCHES
	<b>DS15P-1.5</b>	Grey	15	.054	1.37	1.5
	<b>DS16P-1.5</b>	Brown	16	.047	1.19	.5
	<b>DS18P-1.5</b>	Pink	18	.033	0.89	1.5
	<b>DS20P-1.5</b>	Yellow	20	.24	.061	1.5
	<b>DS22P-1.5</b>	Black	22	.012	0.30	1.5
	<b>DS25P-1.5</b>	Red	25	.010	0.25	1.5

## HIGH DENSITY POLYETHYLENE DISPENSING TIPS

(High density polyethylene tips/locking hub, taper tip)



	<b>DS14HD-1.25</b>	Tan	14	.063	1.60	1.25
	<b>DS16HD-1.25</b>	Grey	16	.047	1.19	1.25
	<b>DS18HD-1.25</b>	Green	18	.033	0.84	1.25
	<b>DS20HD-1.25</b>	Pink	20	.024	0.61	1.25
	<b>DS22HD-1.25</b>	Blue	22	.016	0.40	1.25

## PLASTIC FLEXIBLE DISPENSING TIPS

	99665	Clear	2.50			
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PART NUMBER

DESCRIPTION

SIZE

## DISPENSING BOTTLES, SYRINGES & RELATED ITEMS

<b>99800</b>	1 oz. low density applicator bottle with luer lock cap.	1 oz.
<b>99804</b>	4 oz. low density applicator bottle with luer lock cap.	4 oz.
<b>99806</b>	1 oz. high density applicator bottle with nozzle cap.	1 oz.
<b>99807</b>	2 oz. high density applicator bottle with nozzle cap.	2 oz.
<b>99801</b>	Luer lock cap 1 oz.	
<b>99805</b>	Luer lock cap 4 oz.	
<b>99810</b>	10cc syringe with polyethylene plunger	
<b>99811</b>	20cc syringe with polyethylene plunger	
<b>99812</b>	35cc syringe with polyethylene plunger	

# *Bringing people and products together...*

## **IT ALL BEGINS WITH A CHALLENGE ...**

...a need for a creative solution to your assembly requirements. When you're breaking new ground in assembly technology...when you feel the need for guidance and support in an engineered adhesive...when you tackle new applications in your plant...or if you just want to check on the best and most comprehensive approach to meeting your adhesive requirements...**ADHESIVE SYSTEMS, INC.** is the answer.

## **EXCELLENCE, INNOVATION, AND COMMITMENT ...**

...are the roots of our corporate philosophy. Our success and growth is proof that those who know us and use our products and services believe in our dedication to provide our customers the best in high performance engineered adhesives. Through the quality and technology of our products we have exceeded where others have failed and raised the standard of performance for engineered adhesives.

## **SUCCESS IS A WAY OF LIFE ...**

...at **ADHESIVE SYSTEMS**. Our number one goal is to the success and satisfaction of you, our valued customer. It is our staff's on-going commitment to work closely with you, to listen to your requirements, and offer a broad range of products and services capable of fulfilling your specific needs. We welcome the opportunity to work with you.



**Adhesive Systems, Inc.**

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**E-mail:** [asisupport@instantca.com](mailto:asisupport@instantca.com)

We have kept in mind the needs and concerns of design, production, and material engineers. Our products offer you increased design capability, efficient methods of assembly, and a wide cross-section of materials to choose from. This ensures a strong, reliable, quality product by combining all phases of product engineering into a better overall, efficient design.



**Adhesive Systems, Inc.**

9411 Corsair Road  
Frankfort, Illinois 60423

**Telephone** (800) 552-0299

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**Web Sites:**

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**E-mail:** [asisupport@instantca.com](mailto:asisupport@instantca.com)

**An ISO 9001:2008 Certified Company**

## IMPORTANT NOTICE

**NON-WARRANTY:**

Information contained herein is based on tests we believe to be reliable and accurate. It is offered in good faith for the benefit of the consumer. The Company shall not be liable for any injury, loss, or damage in the use of its chemical products since the conditions of use are beyond our control. In every case we urge and recommend the user conduct tests to determine to their own satisfaction that the product is of acceptable quality and is suitable for their particular purpose under their own operating conditions. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent. These products are for industrial use only.

