



AG-361 & 2 Air Cap and Fluid Tip Selection Guide

C1

CONVENTIONAL



#C1 Air Cap:

Type:
Conventional
External Mix

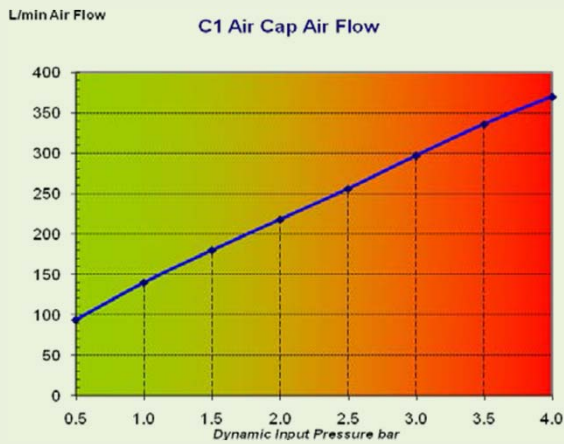
Used on Gun Type: JGA-HD & GFG-HD Suction, Pressure & Gravity Feed Spray Guns, AG361 & AG362 Automatic Guns

Used over Fluid Tips:	GFG-HD Fluid Needle	JGA-HD Suction Fluid Needle	JGA-HD Pressure Fluid Needle
PROC-230-085*	Not Available	Not Available	PRO-305-085-10*
PROC-230-10*	Not Available	Not Available	PRO-305-085-10*
PROC-230-12*	Not Available	Not Available	PRO-305-12-14*
PROC-230-14*	Not Available	Not Available	PRO-305-12-14*
PROC-220-14	GFGPRO-320	JGAPRO-330	JGAPRO-330
PROC-220-16	GFGPRO-320	JGAPRO-330	JGAPRO-330
PROC-220-18	GFGPRO-320	JGAPRO-330	JGAPRO-330

For AG-360 series automatic spray gun needles see page 62

Air Consumption Graph

(measured using JGA-HD gun with 1.4mm fluid Tip)



Typical Applications:

Wood, General Industrial, Metal, Adhesive, Plastic, Aerospace, Leather, Military, Decorative, Construction, Light Marine

Spray Pattern



Pattern Shape:
Long Ellipse

Design Target Distance:
200mm (8")

Approximate Fan Size:
270mm long x 65mm wide @
220 cc/min using 25 sec Din4
@ 200mm (8") Target
Distance

Typical Fluid Flow Specification:

Small to Medium scale application Air Cap.

150-250 ml/min

Viscosity Range Sprayed:

15 to 30 sec Din4

Material Supply:

Suction, Gravity or Pressure Feed

Original design specification:

High Quality metallic Topcoats, Suction/Gravity application
2.5 to 3.0 bar nominal handle inlet pressure

Materials of Construction

Electroless Nickel Plated Brass Air Cap

Part Number: PROC-120-C1-K Air Cap & Retaining Ring

Notes:

*Originally designed for pressure feed applications

CONVENTIONAL

C2

CONVENTIONAL

#C2 Air Cap:

Type:
Conventional
External Mix



**Used on
Gun Type:**

JGA-HD & GFG-HD Suction, Pressure & Gravity
Feed Spray Guns, AG361 & AG362 Automatic Guns

**Used over
Fluid Tips:**

PROC-230-085*
PROC-230-10*
PROC-230-12*
PROC-230-14*
PROC-220-14
PROC-220-16
PROC-220-18

**GFG-HD
Fluid Needle**

Not Available
Not Available
Not Available
Not Available
GFGPRO-320
GFGPRO-320
GFGPRO-320

**JGA-HD
Suction Fluid
Needle**

Not Available
Not Available
Not Available
Not Available
JGAPRO-330
JGAPRO-330
JGAPRO-330

**JGA-HD
Pressure Fluid
Needle**

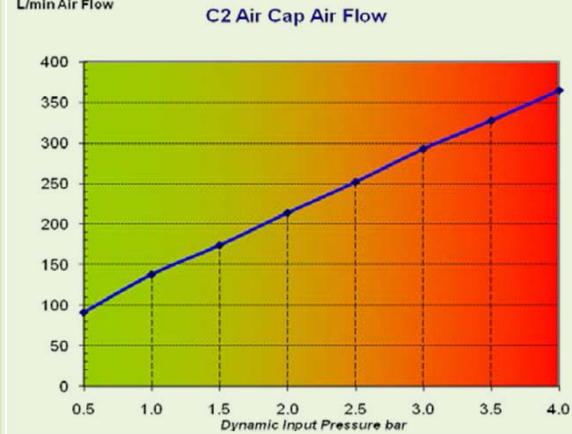
PRO-305-085-10*
PRO-305-085-10*
PRO-305-12-14*
PRO-305-12-14*
JGAPRO-330
JGAPRO-330
JGAPRO-330

For AG-360 series automatic spray gun needles see page 62

CONVENTIONAL

Air Consumption Graph

(measured using JGA-HD gun with 1.8mm fluid Tip)



Spray Pattern



Pattern Shape:
Short Ellipse

Design Target Distance:
200mm (8")

Approximate Fan Size:
250mm long x 70mm wide @
220 cc/min using 25 sec Din4
@ 200mm (8") Target
Distance

Typical Applications:

Wood, General Industrial, Metal, Ceramic, Vitreous Enamel, Lubricants, Adhesive, Plastic, Aerospace, Leather, Military, Decorative, Construction, Light Marine, Release Agent, Wax

Typical Fluid Flow Specification:

Small to Medium scale application Air Cap.

100-350 ml/min

Viscosity Range Sprayed:

15 to 30 sec Din4

Material Supply:

Suction, Gravity or Pressure Feed

Original design specification:

General Purpose Top coat and Primer Applications
2.5 – 4.0 bar nominal handle inlet pressure

Materials of Construction

Electroless Nickel Plated Brass Air Cap

Part Number: PROC-120-C2-K Air Cap & Retaining Ring

Notes:

*Originally designed for pressure feed applications

C3

CONVENTIONAL

CONVENTIONAL



#C3 Air Cap:

Type:
Conventional
External Mix

Used on Gun Type: JGA-HD Pressure Feed Spray Guns, AG361 & AG362 Automatic Guns

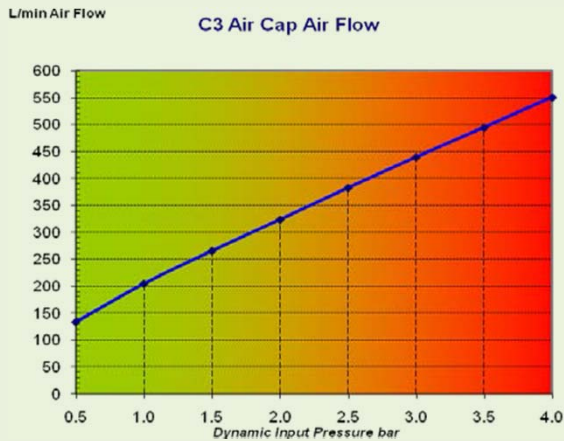
Used over Fluid Tips: **JGA-HD Pressure Fluid Needle**

PROC-230-085*	PRO-305-085-10*
PROC-230-10*	PRO-305-085-10*
PROC-230-12*	PRO-305-12-14*
PROC-230-14*	PRO-305-12-14*
PROC-220-14	JGAPRO-330
PROC-220-16	JGAPRO-330
PROC-220-18	JGAPRO-330

For AG-360 series automatic spray gun needles see page 62

Air Consumption Graph

(measured using JGA-HD gun with 1.4mm fluid Tip)



Spray Pattern



Pattern Shape:
Straight Side/Tapered Ends

Design Target Distance:
250mm (10")

Approximate Fan Size:
360mm long x 70mm wide @
400 ml/min using 25 sed Din4
@ 200mm (8") Target
Distance

290mm long x 65mm wide @
240 ml/min using 25 sec Din4
@ 200mm (8") Target
Distance

Typical Applications:

Wood, General Industrial, Metal, Ceramic, Vitreous Enamel, Lubricants, Adhesive, Plastic, Aerospace, Military, Decorative, Construction, Light Marine, Release Agent, Wax

Typical Fluid Flow Specification:

Medium to Large scale application Air Cap.

250-600 ml/min

Viscosity Range Sprayed:

15 to 40 sec Din4

Material Supply:

Pressure Feed

Original design specification:

Solventbased coatings
2.5 – 4.0 bar nominal air inlet pressure

Materials of Construction

Electroless Nickel Plated Brass Air Cap

Part Number: PROC-120-C3-K Air Cap and retaining ring

Notes:

*Originally designed for pressure feed applications

C62

CONVENTIONAL

#C62 Air Cap:

Type:
Conventional
External Mix



Used on Gun Type:

AG-361E Pressure Feed Automatic Spray Gun and PRO Lite E Ceramic Hand Gun

Used over Fluid Nozzles:

PRO-250-28
PRO-250N-28
PRO-250C-28

PRO Lite E Fluid Needle

PRO-350-28
PRO-350N-28
PRO-350C-28

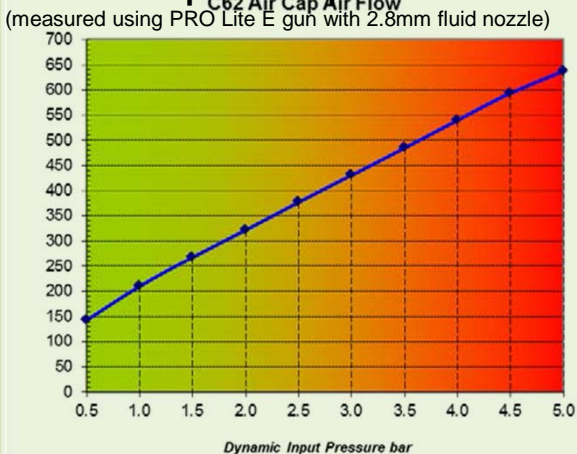
Construction

Stainless Steel
Nitride Hardened Stainless Steel
Stainless Steel with Tungsten Carbide insert

CONVENTIONAL

For AG-361E automatic spray gun needles see page 62

Air Consumption Graph



Spray Pattern



Pattern Shape:

Straight Side/Tapered Ends

Design Target Distance:
305mm (12")

Approximate Max Fan Size:

490mm long x 110mm wide @
2200 ml/min using 1.7kg/Ltr
Glaze @ 305mm (12") Target
Distance

520mm long x 140mm wide @
3000 ml/min using 1.7kg/Ltr
Glaze @ 305mm (12") Target
Distance

Typical Applications:

Ceramic, Vitreous Enamel, Adhesive, Release Agent, Wax

Typical Fluid Flow Specification:

Medium to Large scale application Air Cap.

1000-3500 ml/min

Viscosity Range Sprayed:

1.5 – 1.8 kg/Lt

Material Supply:

Pressure Feed

Original design specification:

Ceramic & Enamel waterbased coatings
3.0 – 7.0 bar nominal air inlet pressure

Materials of Construction

Electroless Nickel Plated Brass Air Cap

Part Number: PROC-120-C62 Air Cap and retaining ring

Notes:

C64

CONVENTIONAL

CONVENTIONAL



#C64 Air Cap:

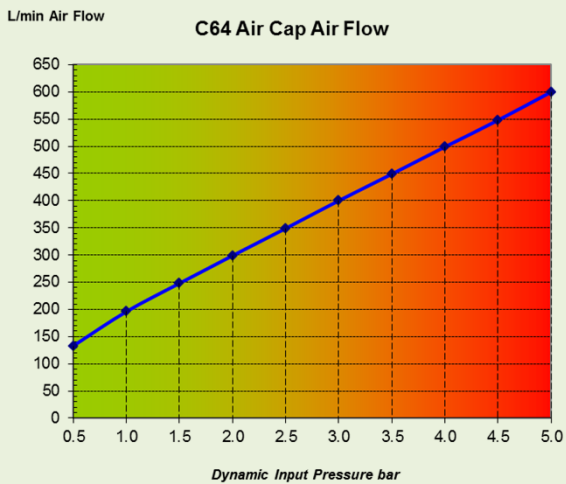
Type:
Conventional
External Mix

Used on Gun Type: AG-361E Pressure Feed Automatic Spray Gun and PRO Lite E Ceramic Hand Gun

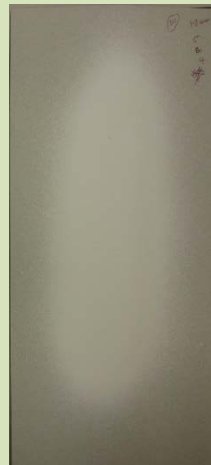
Used over Fluid Nozzles:	PRO Lite E Fluid Needle	Construction
PRO-250-22 PRO-250N-22 PRO-250C-22	PRO-350-22 PRO-350N-22 PRO-350C-22	Stainless Steel Nitride Hardened Stainless Steel Stainless steel with Tungsten Carbide insert

Air Consumption Graph

(measured using PRO Lite E gun with 2.2mm fluid nozzle)



Spray Pattern



Pattern Shape:
Elliptical

Design Target Distance:
305mm (12")

Approximate Max Fan Size:
430mm long x 140mm wide @
1800 ml/min using 1.7kg/Ltr
Glaze @ 305mm (12") Target
Distance

450mm long x 150mm wide @
2400 ml/min using 1.7kg/Ltr
Glaze @ 305mm (12") Target
Distance

Typical Applications:

Ceramic, Vitreous Enamel, Adhesive, Release Agent, Wax

Typical Fluid Flow Specification:

Medium to Large scale application Air Cap.
1000-2500 ml/min

Viscosity Range Sprayed:

1.5 – 1.8 kg/Lt

Fluid Supply: Pressure Feed

Original design specification:

Ceramic & Vitreous Enamel, Sanitaryware
3.0 – 6.0 bar nominal air inlet pressure

Materials of Construction

Electroless Nickel Plated Brass Air Cap

Part Number: PROC-120-C64 Air Cap and retaining ring

Notes:

C67

CONVENTIONAL

#C67 Air Cap:

Type:
Conventional
External Mix



Used on Gun Type: AG-361E Pressure Feed Automatic Spray Gun and PRO Lite E Ceramic Hand Gun

Used over Fluid Nozzles:

PRO-250-18
PRO-250N-18
PRO-250C-18

PRO-250-14
PRO-250N-14

PRO Lite E Fluid Needle

PRO-350-18
PRO-350N-18
PRO-350C-18

PRO-350-14
PRO-350N-14

Construction

Stainless Steel
Nitride Hardened Stainless Steel
Stainless Steel with Tungsten Carbide insert

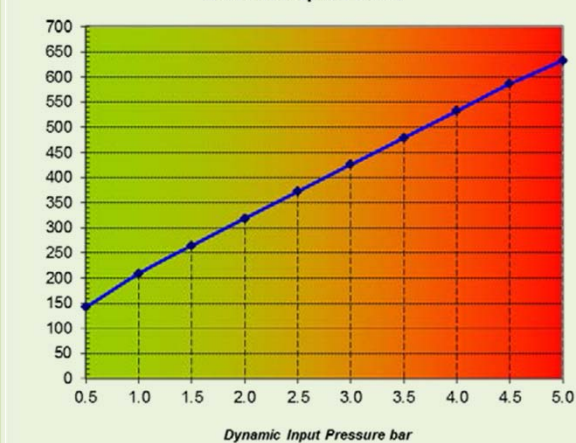
Stainless Steel
Nitride Hardened Stainless Steel

For AG-361E automatic spray gun needles see page 62

CONVENTIONAL

Air Consumption Graph

(measured using PRO Lite gun with 1.8mm fluid nozzle)



Spray Pattern



Pattern Shape:

Long Ellipse

Design Target Distance:
305mm (12")

Approximate Max Fan Size:
500mm long x 120mm wide @
900 ml/min using 1.7kg/Ltr Glaze
@ 305mm (12") Target Distance

500mm long x 120mm wide @
1300 ml/min using 1.7kg/Ltr
Glaze @ 305mm (12") Target
Distance

Typical Applications:

Ceramic, Vitreous Enamel, Adhesive, Release Agent, Wax

Typical Fluid Flow Specification:

Medium to Large scale application Air Cap.

900-1500 ml/min

Viscosity Range Sprayed:

1.5 – 1.7 kg/Lt

Material Supply:

Pressure Feed

Original design specification:

Ceramic & Vitreous Enamel, Sanitaryware
3.0 – 6.0 bar nominal air inlet pressure

Materials of Construction

Electroless Nickel Plated Brass Air Cap

Part Number: PROC-120-C67 Air Cap and retaining ring

Notes:

HV30

HVLP



#HV30 Air Cap

Type :
High Volume Low Pressure.
External Mix

Used on Gun Type: GTI Pro Lite Suction, Gravity & Pressure Hand Guns, AG361 & AG362 Automatic guns

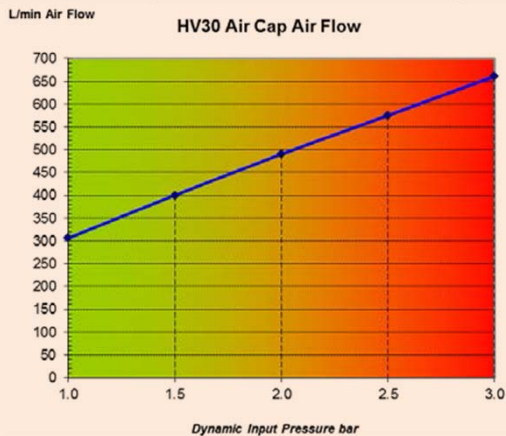
Used over Fluid Tips:	GTI Pro Lite Suction Fluid Needle	GTI Pro Lite Gravity Fluid Needle	GTI Pro Lite Pressure Fluid Needle
PRO-205-085*	Not Available	Not Available	PRO-320-085-10
PRO-205-10*	Not Available	Not Available	PRO-320-085-10
PRO-205-12*	Not Available	Not Available	PRO-320-12-14
PRO-205-14*	Not Available	Not Available	PRO-320-12-14
PRO-205-16*	Not Available	Not Available	PRO-320-16-18
PRO-205-18*	Not Available	Not Available	PRO-320-16-18
PRO-205-20*	Not Available	Not Available	PRO-320-20-22
PRO-205-22*	Not Available	Not Available	PRO-320-20-22
PRO-200-12	Not Available	PRO-301	Not Available
PRO-200-13	Not Available	PRO-301	Not Available
PRO-200-14	Not Available	PRO-301	Not Available
PRO-200-16	PRO-325	PRO-303	Not Available
PRO-200-18	PRO-325	PRO-303	Not Available
PRO-200-20	PRO-325	PRO-303	Not Available

HVLP

FOR AG-360 series automatic spray gun needles see page 62

Air Consumption Graph

(Measured using GTI Lite G with 1.3mm Fluid Tip)



Spray Pattern



Pattern Shape:

Long Ellipse

Design Target Distance:

200mm (8")

Approximate Fan Size:

315mm long x 70mm wide @ 200 ml/min 25 sec. Din 4

Typical Applications:

Wood, General Industrial, Metal, Plastic, Aerospace, Leather, Military, Decorative, Construction, Light Marine

Typical Fluid Flow Specification:

Small to Medium scale application Air Cap.

160 – 200 ml/min

Viscosity Range Sprayed:

15 to 25 sec Din 4

Fluid Supply: Suction, Gravity & Pressure Feed

Original design specification:

Solventbased & Waterbased coatings. Long Elliptical pattern, Small to medium production. 2bar dynamic inlet Pressure

Materials of Construction

Electroless Nickel Plated Brass Air Cap and Aluminium Retaining Ring

Part Number: PRO-102-HV30-K (Cap & Retaining Ring).

Notes:

*Internal profile originally designed for Pressure Feed Applications

R40

TRANS-TECH

#TE40 Air Cap:

Type:
Trans-Tech Compliant
External Mix



**Used on
Gun Type:**

GTI Pro Lite Pressure Hand Gun, AG361 & AG362
Automatic guns

**Used over
Fluid Tips:**

PRO-205-085*
PRO-205-10*
PRO-205N-10*
PRO-205-12*
PRO-205-14*
PRO-205N-14*
PRO-205-16*
PRO-205-18*
PRO-205N-18*
PRO-205-20*
PRO-205-22*
PRO-205N-22*

**GTI Pro Lite Pressure
Fluid Needle**

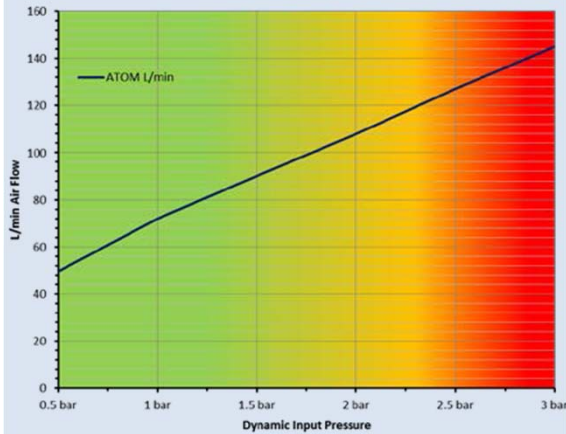
PRO-320-085-10
PRO-320-085-10
PRO-320N-085-10
PRO-320-12-14
PRO-320-12-14
PRO-320N-12-14
PRO-320-16-18
PRO-320-16-18
PRO-320N-15-18
PRO-320-20-22
PRO-320-20-22
PRO-320N-20-22

For AG-360 series automatic spray gun needles see page 62

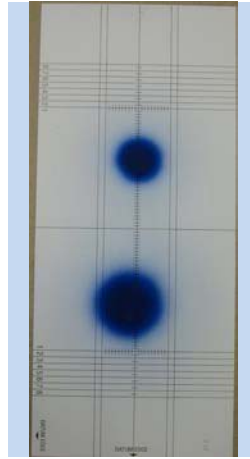
TRANS-TECH

Air Consumption Graph

(measured using GTI PRO Lite gun with 1.4mm fluid nozzle)



Spray Pattern



Pattern Shape:

Round

Design Target Distance:
200mm (8")

Approximate Max Fan Size:
70mm dia @ 240 ml/min using 30
sec Din 4 @ 200mm (8") target
distance

95mm dia @ 240 ml/min using 30
sec Din 4 @ 300mm (10") target
distance

Typical Applications:

Wood, General Industrial, Metal, Ceramic,
Vitreous Enamel, Lubricants, Adhesive,
Aerospace, Release Agent,

Typical Fluid Flow Specification:

Small scale application Air Cap.
100 – 250 ml/min

Viscosity Range Sprayed:
15 to 45 sec Din 4

Fluid Supply: Pressure Feed

**Original design
specification:**

Solventbased anti-corrosion coatings. Small to medium
production. 2 to 4 bar dynamic inlet Pressure

Materials of Construction

Electroless Nickel Plated Brass Air Cap
Anodized Aluminium Retaining Ring

Part Number: PRO-102-R40 Air Cap and retaining ring

Notes:

TE10

TRANS-TECH



#TE10 Air Cap:
Type:
 Trans-Tech Compliant
 External Mix

Used on Gun Type: GTI Pro Lite Suction, Gravity & Pressure Hand Guns, AG361 and AG362 Automatic guns

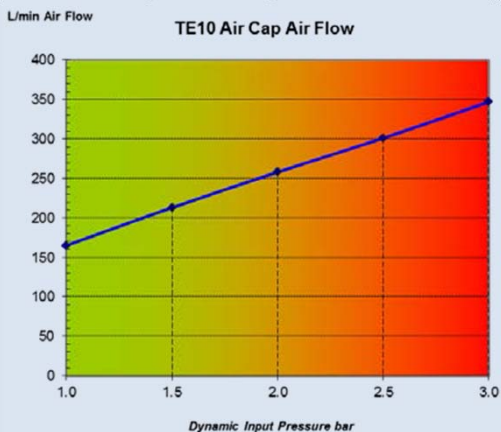
Used over Fluid Tips:	GTI Pro Lite Suction Fluid Needle	GTI Pro Lite Gravity Fluid Needle	GTI Pro Lite Pressure Fluid Needle
PRO-205-085*	Not Available	Not Available	PRO-320-085-10
PRO-205-10*	Not Available	Not Available	PRO-320-085-10
PRO-205-12*	Not Available	Not Available	PRO-320-12-14
PRO-205-14*	Not Available	Not Available	PRO-320-12-14
PRO-205-16*	Not Available	Not Available	PRO-320-16-18
PRO-205-18*	Not Available	Not Available	PRO-320-16-18
PRO-205-20*	Not Available	Not Available	PRO-320-20-22
PRO-205-22*	Not Available	Not Available	PRO-320-20-22
PRO-200-12	Not Available	PRO-301	Not Available
PRO-200-13	Not Available	PRO-301	Not Available
PRO-200-14	Not Available	PRO-301	Not Available
PRO-200-16	PRO-325	PRO-303	Not Available
PRO-200-18	PRO-325	PRO-303	Not Available
PRO-200-20	PRO-325	PRO-303	Not Available

TRANS-TECH

For AG-360 series automatic spray gun needles see page 62

Air Consumption Graph

(measured using GTI Lite G gun with 1.4mm fluid Tip)



Spray Pattern



Pattern Shape:
 Long Ellipse

Design Target Distance:
 200mm (8")

Approximate Fan Size:

300mm long x 70mm wide @ 200cc/min 25sec Din 4

Typical Applications:

Wood, General Industrial, Metal, Plastic, Aerospace, Leather, Military, Decorative, Construction, Light Marine

Typical Fluid Flow Specification:

Small to Medium scale application Air Cap.

150 – 200 ml/min

Viscosity Range Sprayed:

15 to 30 sec Din 4

Fluid Supply: Suction, Gravity & Pressure Feed

Original design specification:

Solventbased & Waterbased coatings. Long Elliptical pattern, Small to medium production 2bar dynamic inlet Pressure

Materials of Construction

Electroless Nickel Plated Brass Air Cap and Retaining Ring

Part Number: PRO-100-TE10-K (Cap & Retaining Ring).

Notes: *Internal profile designed for Pressure Feed Applications

TE20

TRANS-TECH

TRANS-TECH



#TE20 Air Cap:

Type:

Trans-Tech Compliant External Mix

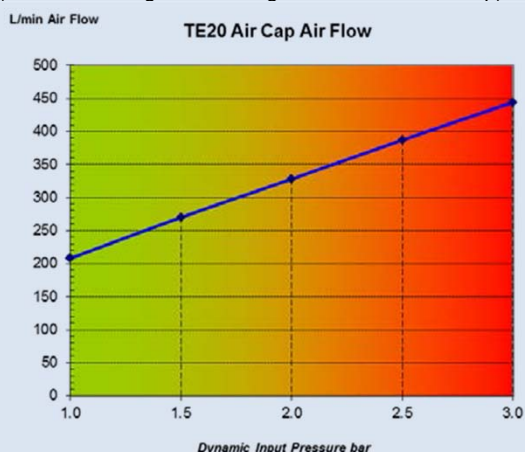
Used on Gun GTI Pro Lite Suction, Gravity & Pressure Hand Guns, AG361 & AG362 Automatic Guns

Used over Fluid Tips:	GTI Pro Lite Suction Fluid Needle	GTI Pro Lite Gravity Fluid Needle	GTI Pro Lite Pressure Fluid Needle
PRO-205-085*	Not Available	Not Available	PRO-320-085-10
PRO-205-10*	Not Available	Not Available	PRO-320-085-10
PRO-205-12*	Not Available	Not Available	PRO-320-12-14
PRO-205-14*	Not Available	Not Available	PRO-320-12-14
PRO-205-16*	Not Available	Not Available	PRO-320-16-18
PRO-205-18*	Not Available	Not Available	PRO-320-16-18
PRO-205-20*	Not Available	Not Available	PRO-320-20-22
PRO-205-22*	Not Available	Not Available	PRO-320-20-22
PRO-200-12	Not Available	PRO-301	Not Available
PRO-200-13	Not Available	PRO-301	Not Available
PRO-200-14	Not Available	PRO-301	Not Available
PRO-200-16	PRO-325	PRO-303	Not Available
PRO-200-18	PRO-325	PRO-303	Not Available
PRO-200-20	PRO-325	PRO-303	Not Available

For AG-360 series automatic spray gun needles see page 62

Air Consumption Graph

(measured using GTI Lite G gun with 1.3mm fluid Tip)



Spray Pattern



Pattern Shape:

Long Ellipse

Design Target Distance:

200mm (8")

Approximate Fan Size:

290mm long x 60mm wide @ 200 ml/min 25 sec Din 4

Typical Applications:

Wood, General Industrial, Metal, Plastic, Aerospace, Leather, Military, Decorative, Construction, Light Marine

Typical Fluid Flow Specification:

Small to Medium scale application Air Cap. 150 – 200 ml/min

Viscosity Range Sprayed:

15 to 30 sec Din 4

Fluid Supply: Suction, Gravity & Pressure Feed

Original design specification:

Solventbased & Waterbased coatings. Long Elliptical pattern, Small to medium production 2bar dynamic inlet Pressure

Materials of Construction

Electroless Nickel Plated Brass Air Cap and Retaining Ring

Part Number: PRO-100-TE20-K (Cap & Retaining Ring).

Notes:

*Internal profile originally designed for Pressure Feed Applications

TE30

TRANS-TECH

TRANS-TECH



#TE30 Air Cap:

Type:

Trans-Tech Compliant
External Mix

Used on Gun Type: GTI Pro Lite Pressure Hand Guns
AG361 & AG362 Automatic guns

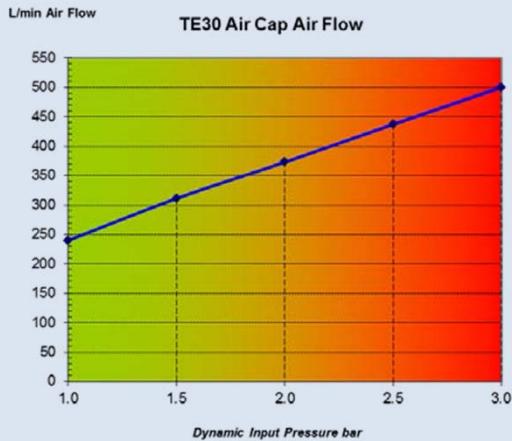
Used over Fluid Tips: **GTI Pro Lite Pressure Fluid Needle**

PRO-205-085*	PRO-320-085-10
PRO-205-10*	PRO-320-085-10
PRO-205-12*	PRO-320-12-14
PRO-205-14*	PRO-320-12-14
PRO-205-16*	PRO-320-16-18
PRO-205-18*	PRO-320-16-18
PRO-205-20*	PRO-320-20-22
PRO-205-22*	PRO-320-20-22

For AG-360 series automatic spray gun needles see page 62

Air Consumption Graph

(measured using GTI Lite P gun with 1.4mm fluid Tip)



Spray Pattern



Pattern Shape:
Short Ellipse

Design Target Distance:
200mm (8")

Approximate Fan Size:
300mm long x 80mm wide @ 280 ml/min 20 sec Din 4

Typical Applications:

Wood, General Industrial, Metal, Ceramic, Vitreous Enamel, Lubricants, Adhesive, Plastic, Aerospace, Military, Decorative, Construction, Light Marine, Release Agent

Typical Fluid Flow Specification:

Small to Medium scale application Air Cap.
200 – 300 ml/min

Viscosity Range Sprayed:

15 to 30 sec Din 4

Fluid Supply: Pressure Feed

Original design specification:

Solventbased & Waterbased coatings. Medium Elliptical pattern, Small to medium production 2-3 bar dynamic inlet Pressure

Materials of Construction

Electroless Nickel Plated Brass Air Cap and Retaining Ring

Part Number: PRO-100-TE30-K (Cap & Retaining Ring).

Notes:

*Internal profile originally designed for Pressure Feed Applications

TE40

TRANS-TECH

TRANS-TECH



#TE40 Air Cap:

Type:

Trans-Tech Compliant
External Mix

Used on Gun Type: GTI Pro Lite Pressure Hand Guns
AG361 & AG362 Automatic guns

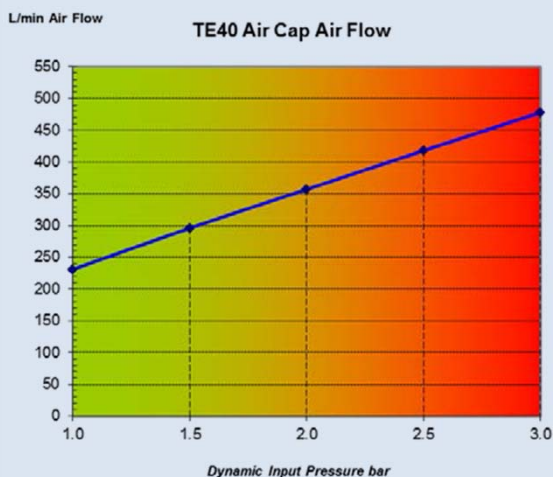
Used over Fluid Tips: **GTI Pro Lite Pressure Fluid Needle**

PRO-205-085*	PRO-320-085-10
PRO-205-10*	PRO-320-085-10
PRO-205-12*	PRO-320-12-14
PRO-205-14*	PRO-320-12-14
PRO-205-16*	PRO-320-16-18
PRO-205-18*	PRO-320-16-18
PRO-205-20*	PRO-320-20-22
PRO-205-22*	PRO-320-20-22

For AG-360 series automatic spray gun needles see page 62

Air Consumption Graph

(measured using GTI Lite P gun with 1.4mm fluid Tip)



Spray Pattern



Pattern Shape:

Straight sides/tapered ends

Design Target Distance:

250mm (10")

Approximate Fan Size:

380mm long x 80mm wide @ 320 ml/min 20 sec Din 4

Typical Applications:

Wood, General Industrial, Metal, Ceramic, Vitreous Enamel, Lubricants, Adhesive, Plastic, Aerospace, Military, Decorative, Construction, Light Marine, Release Agent,

Typical Fluid Flow Specification:

Small to Medium scale application Air Cap.
250 – 400 ml/min

Viscosity Range Sprayed:

15 to 35 sec Din 4

Fluid Supply: Pressure Feed

Original design specification:

Solventbased & Waterbased coatings. Small to medium production. 2 to 4 bar dynamic inlet Pressure

Materials of Construction

Electroless Nickel Plated Brass Air Cap and Retaining Ring

Part Number: PRO-100-TE40-K (Cap & Retaining Ring).

Notes:

*Internal profile originally designed for Pressure Feed Applications

TE50

TRANS-TECH

TRANS-TECH



#TE50 Air Cap:

Type:

Trans-Tech Compliant
External Mix

Used on Gun Type: GTI Pro Lite Pressure Hand Guns
AG361 & AG361 Automatic guns

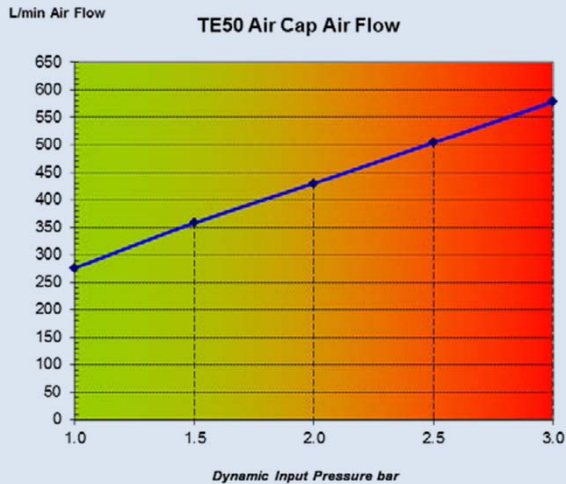
Used over Fluid Tips: **GTI Pro Lite Pressure Fluid Needle**

PRO-205-085*	PRO-320-085-10
PRO-205-10*	PRO-320-085-10
PRO-205-12*	PRO-320-12-14
PRO-205-14*	PRO-320-12-14
PRO-205-16*	PRO-320-16-18
PRO-205-18*	PRO-320-16-18
PRO-205-20*	PRO-320-20-22
PRO-205-22*	PRO-320-20-22

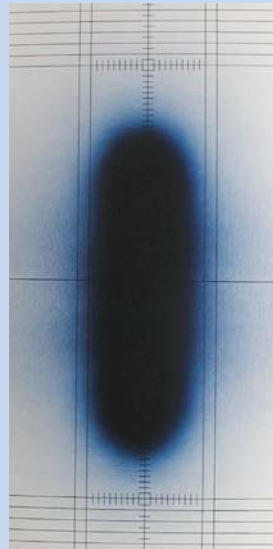
For AG 300 series automatic spray gun needles see page 62

Air Consumption Graph

(measured using GTI Lite P gun with 1.4mm fluid Tip)



Spray Pattern



Pattern Shape:

Straight sides/tapered ends

Design Target Distance:

200mm (8")

Approximate Fan Size:

300mm long x 95mm wide @ 300 ml/min 20 sec Din 4

Typical Applications:

General Industrial, Metal, Ceramic, Vitreous Enamel, Adhesive, Plastic, Aerospace, Military, Decorative. Construction.

Typical Fluid Flow Specification:

Medium to high scale application Air Cap.
250 – 400 ml/min

Viscosity Range Sprayed:

20 to 45 sec Din 4

Fluid Supply:

Pressure Feed

Original design specification:

Solventbased & Waterbased coatings. Medium to high production. 2 to 4 bar dynamic inlet Pressure

Materials of Construction

Electroless Nickel Plated Brass Air Cap and Aluminium Retaining Ring

Part Number: PRO-102-TE50-K (Cap & Retaining Ring).

Notes:

*Internal profile originally designed for Pressure Feed Applications

AG361, AG361E & AG362 FLUID NEEDLES & TIPS

THE AG361 AND AG362 AUTOMATIC SPRAY GUNS UTILISE COMMON AIR CAPS AND FLUID TIPS. HOWEVER THE FLUID NEEDLES ARE INDIVIDUAL TO EACH SPECIFIC GUN BODY DESIGN. USE THE FOLLOWING TABLE TO DOUBLE CHECK THAT PART NUMBERS FOR THESE COMPONENTS ARE CORRECT.

Air Cap Part Number	Used over Fluid Tips:	Hole Size:	AG361 Fluid Needle	AG362 Fluid Needle
PROC-120-C1	PROC-215-085	0.85mm	SPA-361-085-10	SPA-362-085-10
PROC-120-C2	PROC-215N-085	0.85mm	SPA-361N-085-10	SPA-362N-085-10
PROC-120-C3	PROC-215-10	1.0mm	SPA-361-085-10	SPA-362-085-10
	PROC-215N-10	1.0mm	SPA-361N-085-10	SPA-362N-085-10
	PROC-215-12	1.2mm	SPA-361-12-14	SPA-362-12-14
	PROC-215N-12	1.2mm	SPA-361N-12-14	SPA-362N-12-14
	PROC-215-14	1.4mm	SPA-361-12-14	SPA-362-12-14
	PROC-215N-14	1.4mm	SPA-361N-12-14	SPA-362N-12-14
	PROC-215-16	1.6mm	SPA-361-16-18	SPA-362-16-18
	PROC-215N-16	1.6mm	SPA-361N-16-18	SPA-362N-16-18
	PROC-215-18	1.8mm	SPA-361-16-18	SPA-362-16-18
	PROC-215N-18	1.8mm	SPA-361N-16-18	SPA-362N-16-18
PRO-100-HV30	PRO-205-085	0.85mm	SPA-361-085-10	SPA-362-085-10
PRO-100-TE10	PRO-205N-085	0.85mm	SPA-361N-085-10	SPA-362N-085-10
PRO-100-TE20	PRO-205-10	1.0mm	SPA-361-085-10	SPA-362-085-10
PRO-100-TE30	PRO-205N-10	1.0mm	SPA-361N-085-10	SPA-362N-085-10
PRO-100-TE40	PRO-205-12	1.2mm	SPA-361-12-14	SPA-362-12-14
PRO-102-TE50	PRO-205N-12	1.2mm	SPA-361N-12-14	SPA-362N-12-14
PRO-102-R40	PRO-205-14	1.4mm	SPA-361-12-14	SPA-362-12-14
	PRO-205N-14	1.4mm	SPA-361N-12-14	SPA-362N-12-14
	PRO-205-16	1.6mm	SPA-361-16-18	SPA-362-16-18
	PRO-205N-16	1.6mm	SP-361N-16-18	SPA-362N-16-18
	PRO-205-18	1.8mm	SPA-361-16-18	SPA-362-16-18
	PRO-205N-18	1.8mm	SP-361N-16-18	SPA-362N-16-18
	PRO-205-20	2.0mm	SPA-361-20-22	SPA-362-20-22
	PRO-205N-20	2.0mm	SPA-361N-20-22	SPA-362N-20-22
	PRO-205-22	2.2mm	SPA-361-20-22	SPA-362-20-22
	PRO-205N-22	2.2mm	SPA-361N-20-22	SPA-362N-20-22
PROC-120-C62	PRO-250-28	2.8mm	SPA-360-28	Not Available
	PRO-250N-28	2.8mm	SPA-360N-28	Not Available
PROC-120-C64	PRO-250C-28	2.8mm	SPA-360C-28	Not Available
	PRO-250-22	2.2mm	SPA-360-22-18	Not Available
	PRO-250N-22	2.2mm	SPA-360N-22-18	Not Available
PROC-120-C67	PRO-250C-22	2.2mm	SPA-360C-22-18	Not Available
	PRO-250-18	1.8mm	SPA-360-22-18	Not Available
	PRO-250N-18	1.8mm	SPA-360N-22-18	Not Available
	PRO-250C-18	1.8mm	SPA-360C-22-18	Not Available
	PRO-250-14	1.4mm	SPA-360-22-18	Not Available
	PRO-250N-14	1.4mm	SPA-360N-22-18	Not Available

Notes:

S designation denotes High Grade Stainless Steel

N designation denotes Nitride hardened

C designation denotes Tungsten carbide (Carballoy)

F. Spray Pattern Faults and Troubleshooting



Split Spray Pattern
A C E H J



Split Spray Pattern
A C E H J



Burst Pattern
F K



Banana
L M



Centre Heavy
B D F I K



Centre Heavy
F G



One end heavy
L M

- A.** Horn Air Pressure too high
- B.** Horn air Pressure too low
- C.** Air Input Pressure to gun too high
- D.** Air Input Pressure to gun too low
- E.** Fluid flow too low
- F.** Fluid flow too high
- G.** Fluid flow too high for Fluid Tip size used
- H.** Fluid Viscosity too low for air Pressure used
- I.** Fluid Viscosity too high
- J.** Wrong Air Cap selected – lower fluid flow version required
- K.** Wrong Air Cap Selected – Higher fluid flow version required
- L.** Hole in Air Cap partially blocked or damaged
- M.** Fluid Tip hole or front face partially blocked or damaged

- Decrease using control knob
- Increase using control knob or regulator Pressure
- Decrease regulator Pressure
- Increase
- Increase fluid flow – larger Tip or increase Pressure
- Decrease fluid flow – smaller Tip decrease Pressure
- Decrease fluid flow or increase Fluid Tip size
- Increase viscosity or decrease air Pressure
- Decrease viscosity or increase air Pressure
- Select alternative Air Cap
- Select alternative Air Cap
- Clean or replace Air Cap
- Clean or replace Fluid Tip

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