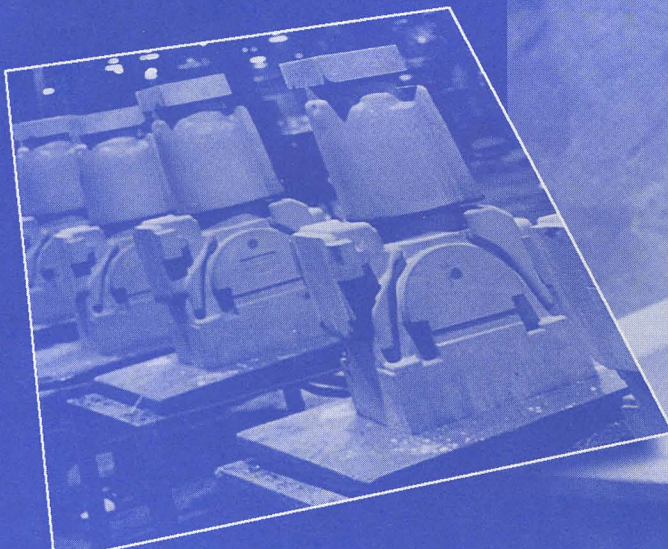
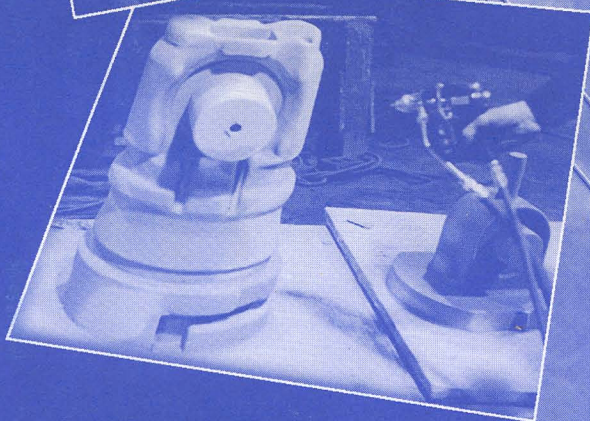
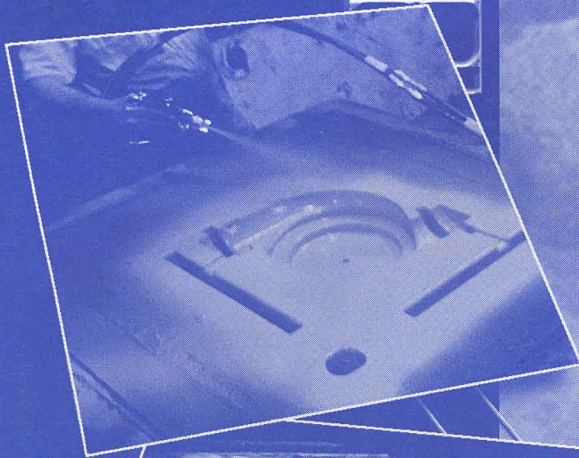


**Proprietary
Spray
Systems
For All
Foundry
Coatings**



Armour Spray Systems, Inc.



Armour Spray Systems, Inc.

210 HAYES DRIVE • CLEVELAND, OHIO 44131 • (216)398-3838 • FAX 398-0862

Introduction

Armour Spray Systems Inc. stands ready to assist you in all your coating application needs and problems – Automatic Spray Stations, Special Wand Extensions, Multiple Gun Pump Systems, and Robotics.

The versatility and dependability of our systems surpass all other products on the market. **Armour** systems are designed and manufactured to operate in a trouble-free manner, day after day, in the demanding Foundry Industry. Careful engineering and the finest heavy-duty materials of construction assure the efficiency, dependability and long life you have come to expect from all **Armour** equipment.

Z-Gun Advantages

- Handles any foundry coating – low or high solids.
- Practically maintenance free – no tip clogging.
- Material savings to 30%.
- Low pressure operation far below OSHA limits.
- Easily applies any coating to 100 Baume – 85% Solids.
- Equipment pay back as low as 3 months.



Exchange/Repair Program

Exchange/repair of Z-Guns, Air Motors and Champion Pumps, as easy as 1-2-3:

1. Call Armour and request a factory reconditioned exchange gun, motor, or pump.

2. Upon receipt of gun/motor/pump, **exchange** it with problem gun/motor/pump on your production line.
3. Return problem gun/motor/pump to Armour.

Upon receipt of your problem gun, motor, or pump, Armour will:

1. Factory recondition it.
2. Invoice you for the **repair**.
3. Place this gun/motor/pump on Armour's shelf for the next customer who requests an exchange/repair.

☆ Complete systems are also available on an exchange/repair basis.

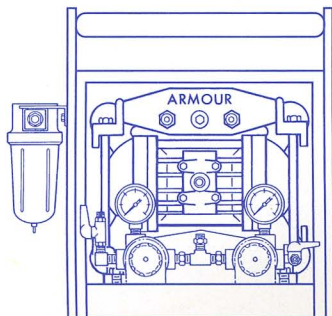
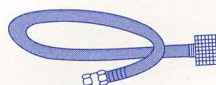
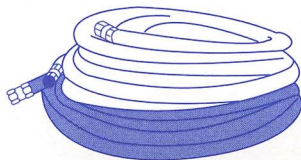
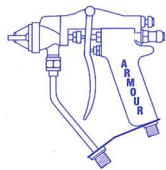
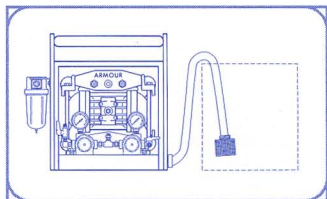
Special Notes:

- Shipment requests for replacement parts made before 5PM EST will be shipped same day via UPS.
- Visit our web site at www.armourspray.com.

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Mold & Core Coatings 5-Gallon Pump Outfits



Model AR5-HVD

Portable Spray System for use with your 5-gallon pail of material.

Includes pump, air control, and air filter mounted to carrying case, 40" siphon/flush hose assembly, 30' paired hose assembly, and Model FCV-100 Z-Gun. For use with 80-95 Baume coating.

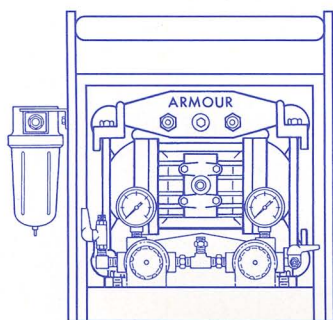
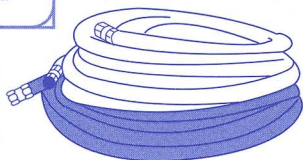
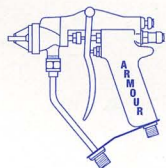
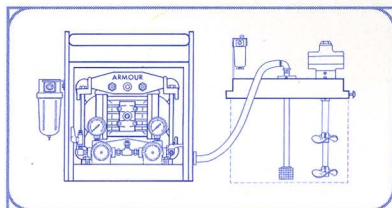
Gun Options

Gun Model #	Recommended Usage	Model #
FCV-70	60-80 Baume	AR5-HVD-70
FCV-50	40-70 Baume	AR5-HVD-50

Multiple gun capability

Different hose lengths available

For gun extensions see page 21



Model AR5A-5525

Portable Spray System with 5-Gallon Cover Mixer for use with your 5-gallon pail of material. Cover minimizes evaporation while the mixer maintains proper suspension.

Includes pump, air control, air filter, and quick flush manifold mounted to carrying case with 5-gallon cover mixer, 40" flush hose assembly, 30' paired hose assembly, 5' supply hose, air mixer hose, and Model FCV-100 Z-Gun. For use with 80-95 Baume coating.

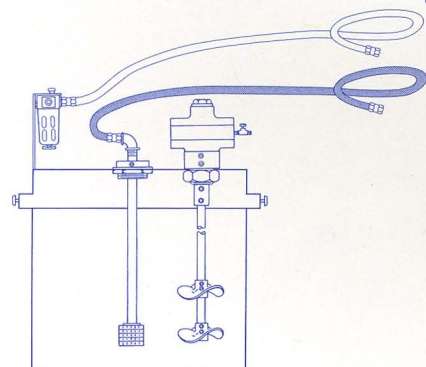
Gun Options

Gun Model #	Recommended Usage	Model #
FCV-70	60-80 Baume	AR5A-5525-70
FCV-50	40-70 Baume	AR5A-5525-50

Multiple gun capability

Different hose lengths available

For gun extensions see page 21



- Same day exchange/repair for Z-Guns and pumps, full outfit exchange/repair available.
- For maximum trouble free performance match your Z-Gun to your coating – consult Armour when in doubt.
- Outfits shown are for water & alcohol based washes only. Please specify if your wash differs, we offer a variety of options.
- For variations on these basic systems, please see pages 22-23

Mold & Core Coatings 55-Gallon Pump Outfits

Model AR5A-1000

Portable Spray System for use with your 55-gallon drum of material.

Includes pump, air control, air filter, and quick flush manifold mounted to carrying case, with 60" siphon hose with 36" supply pipe and strainer, 40" flush hose assembly, 30' paired hose assembly, and Model FCV-100 Z-Gun. For use with 80-95 Baume coating.

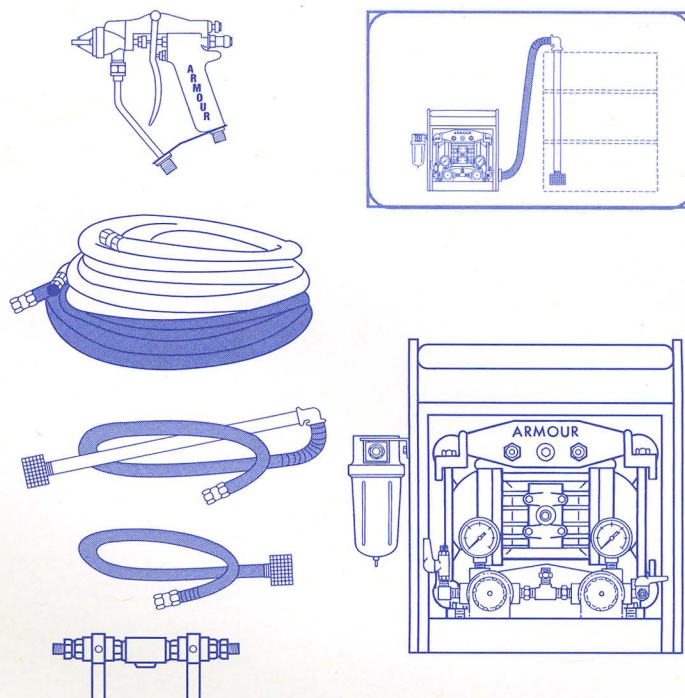
Gun Options

Gun Model #	Recommended Usage	Model #
FCV-70	60-80 Baume	AR5A-1000-70
FCV-50	40-70 Baume	AR5A-1000-50

Multiple gun capability

Different hose lengths available

For gun extensions see page 21



Model AR55-HVD

55-Gallon Cover Outfit for use with your 55-gallon drum of material.

Includes pump, 5 hp agitator, air control, air filter, and oilers mounted to 55-gallon cover fitted to a pneumatic lift, with 40" flush hose assembly, 30' paired hose assembly, and Model FCV-100 Z-Gun, pressure dump line (not shown). For use with 80-95 Baume coating.

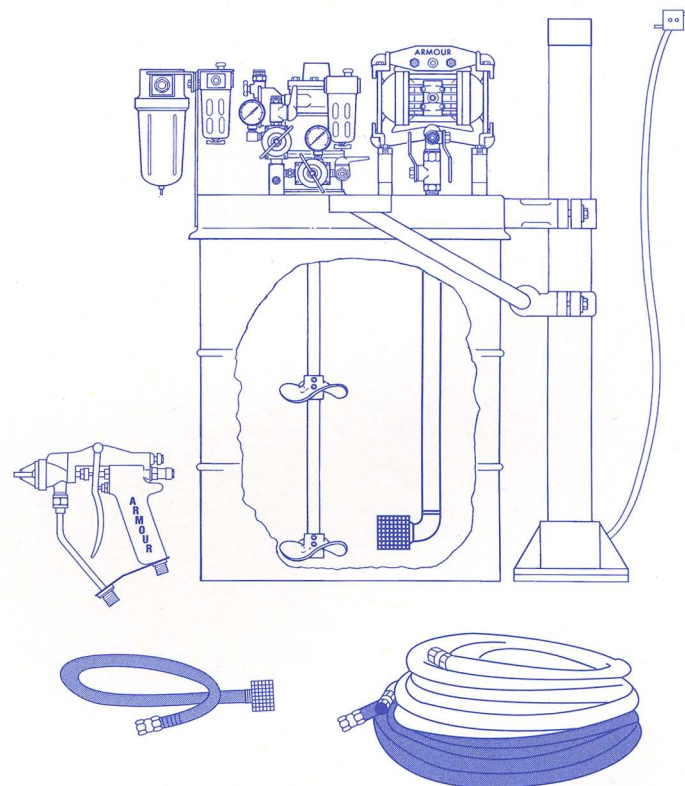
Gun Options

Gun Model #	Recommended Usage	Model #
FCV-70	60-80 Baume	AR55-HVD-70
FCV-50	40-70 Baume	AR55-HVD-50

Multiple gun capability

Different hose lengths available

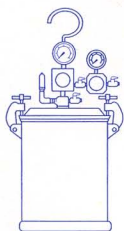
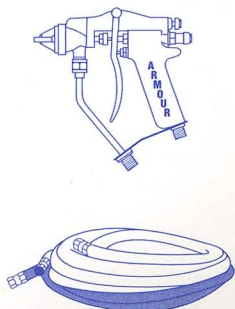
For gun extensions see page 21



- Same day exchange/repair for Z-Guns and pumps, full outfit exchange/repair available.
- For maximum trouble free performance match your Z-Gun to your coating – consult Armour when in doubt.
- Outfits shown are for water & alcohol based washes only. Please specify if your wash differs, we offer a variety of options.
- For variations on these basic systems, please see pages 22-23

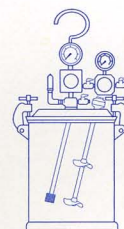
Mold & Core Coatings 2½ and 5-Gallon Tank Outfits, 1 and 2-Quart Cup Outfits

Standard With
AR2T-300L, AR2T-300A,
and AR5T-300A



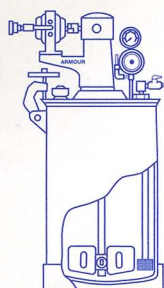
Model AR2T-300L

2½-Gallon Pressure Tank Outfit with 20' paired hose assembly and Model FCV-100 Z-Gun. For use with 80-95 Baume coating.



Model AR2T-300A

2½-Gallon Agitated Tank Outfit with 20' paired hose assembly and Model FCV-100 Z-Gun. For use with 80-95 Baume coating.



Model AR5T-300A

5-Gallon Agitated Tank Outfit with 20' paired hose assembly and Model FCV-100 Z-Gun. For use with 80-95 Baume coating.

Gun Options

Gun Model # Recommended Usage

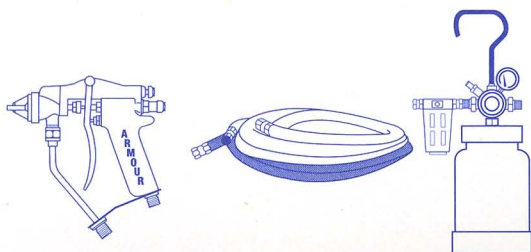
FCV-70 60-80 Baume

FCV-50 40-70 Baume

Multiple gun capability

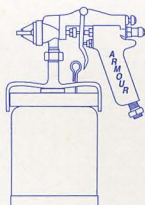
Different hose lengths available

For gun extensions see page 21



Model AR-D012-70

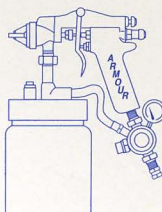
2-Quart Cup Outfit with Air Filter, 12' paired hose assembly, air filter, and Model FCV-70 Z-Gun. For use with 60-80 Baume coating.



Model FCV-50M-SC

1-Quart Siphon Cup with Model FCV-50 Z-Gun.

Use with standard air hose. For use with 40-70 Baume coating.



Model FCV-50-MPC

1-Quart Pressure Cup with Model FCV-50 Z-Gun.

Use with standard air hose. For use with 40-70 Baume coating.

- Same day exchange/repair for Z-Guns and pumps, full outfit exchange/repair available.
- For maximum trouble free performance match your Z-Gun to your coating – consult Armour when in doubt.
- Outfits shown are for water & alcohol based washes only. Please specify if your wash differs, we offer a variety of options.
- For variations on these basic systems, please see pages 22-23

Lost Foam 55-Gallon Pump and Tote Tank Outfits

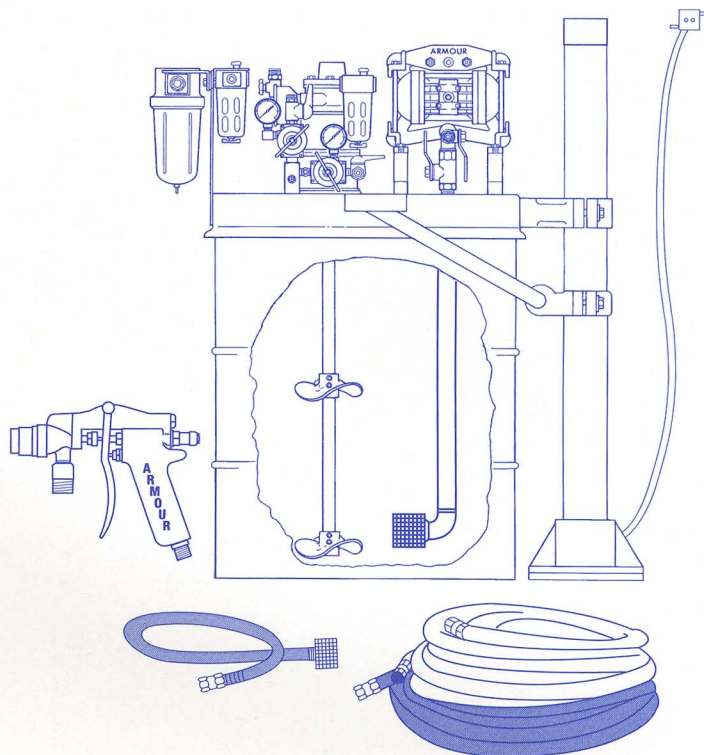
Model AR55-HVD-HVF

55-Gallon Cover Outfit for use with your 55-gallon drum of Lost Foam Coating.

Includes pump, 5hp agitator, air control, air filter, and oilers mounted to 55-gallon cover fitted to a pneumatic lift, with 40" flush hose assembly, 30' paired hose assembly, and Model HVF-100 Hi-volume Z-Gun.

Gun Options

Gun Model #	Recommended Usage	Model #
HVF-100	High Volume-Fan	AR55-HVD-HVF
HVC-100	High Volume-Conical	AR55-HVD-HVC
HVCC-100	High Volume-Carbide	AR55-HVD-HVCC
Multiple gun capability		



Model AR55-HVDT-HVF

Portable Pump Outfit for use with your tote tank of Lost Foam Coating.

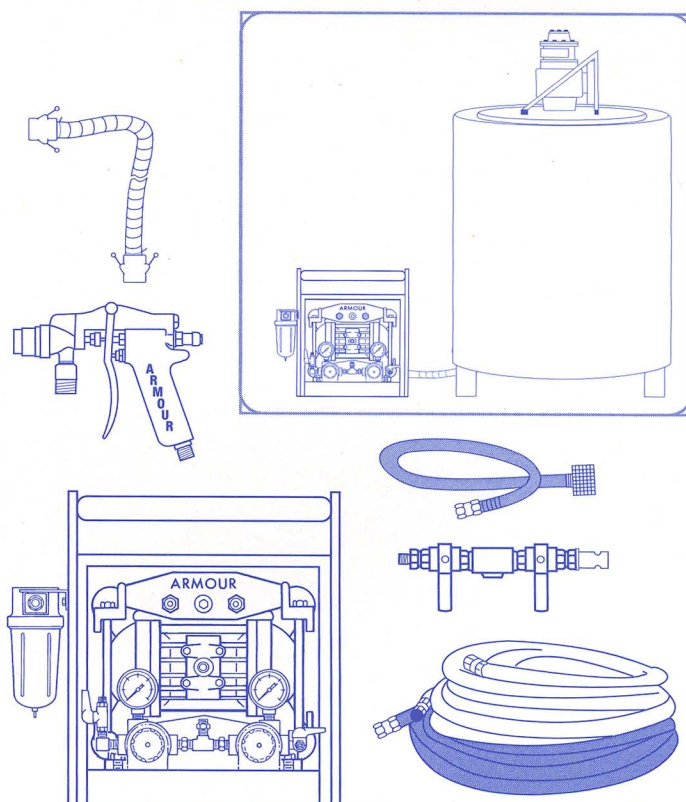
Includes pump, air control, and air filter mounted to carrying case, with quick flush manifold, quick disconnect siphon hose assembly, 30' paired hose assembly, and Model HVF-100 Hi-volume Z-Gun.

Gun Options

Gun Model #	Recommended Usage	Model #
HVF-100	High Volume-Fan	AR55-HVDT-HVF
HVC-100	High Volume-Conical	AR55-HVDT-HVC
HVCC-100	High Volume-Carbide	AR55-HVDT-HVCC

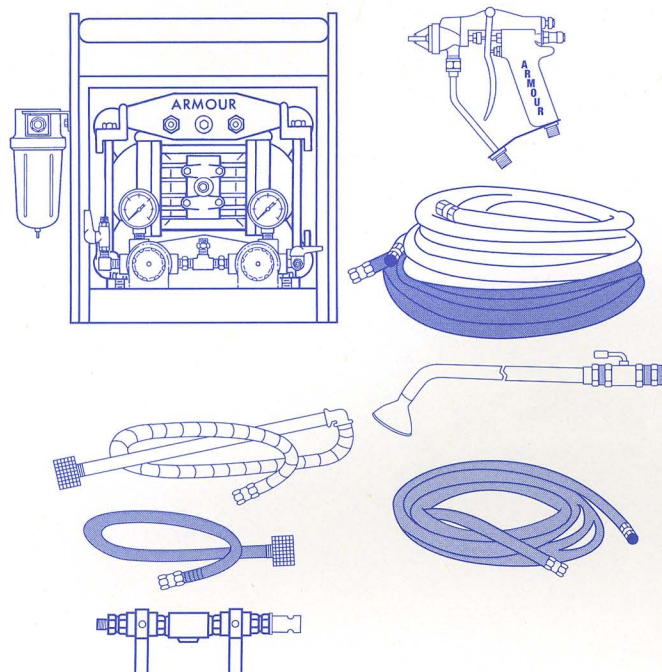
Multiple gun capability

See page 17 for Tote Tank mixers available



- Same day exchange/repair for Z-Guns and pumps, full outfit exchange/repair available.
- For maximum trouble free performance match your Z-Gun to your coating – consult Armour when in doubt.
- Outfits shown are for water & alcohol based washes only. Please specify if your wash differs, we offer a variety of options.
- For variations on these basic systems, please see pages 22-23

Combination Spray/Flow Coat 5 and 55-Gallon Pump Outfits



Model AR5-HVD-FC3

Portable Combination Spray/Flow Coating System for use with your 55-gallon drum of material.

Includes pump, air control, and air filter, carrying case, siphon hose with strainer, quick flush manifold, 30' paired hose assembly, Model FCV-100 Z-Gun, Model FCW-3-SV 3' flow coating wand, and 25' supply hose assembly. For use with 80-95 Baume coating.

Gun Options

Gun Model #	Recommended Usage	Model #
FCV-70	60-80 Baume	AR5-HVD-FC3-70
FCV-50	40-70 Baume	AR5-HVD-FC3-50

Multiple gun capability

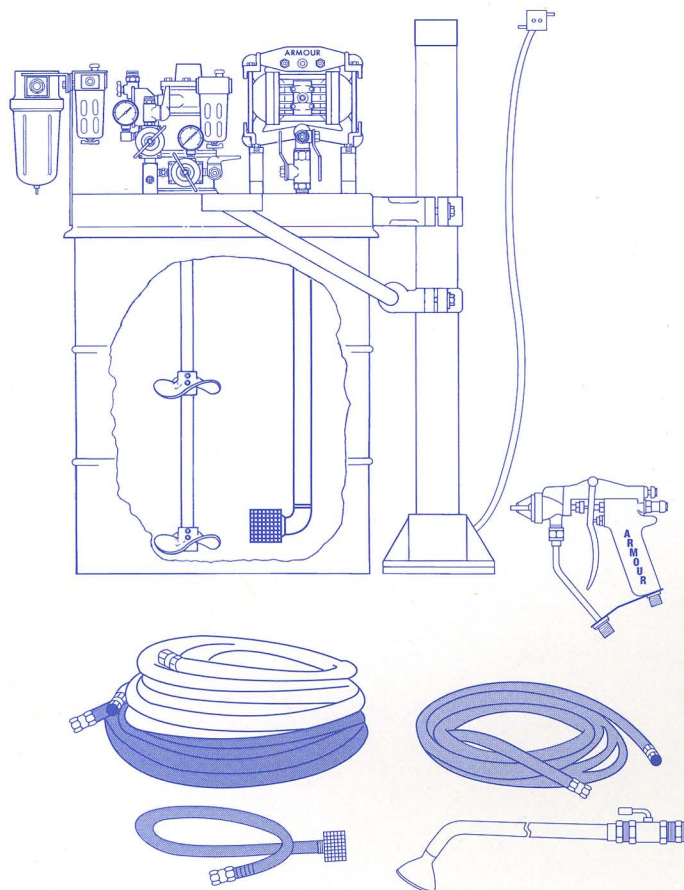
Wand Length Options

Model #	Length	Model #	Length
FCW-1-SV	1'	FCW-4-SV	4'
FCW-2-SV	2'	FCW-5-SV	5'
FCW-3-SV	3'	FCW-6-SV	6'

Different hose lengths available

For gun extensions see page 21

Recirculation system available



Model AR55-HVD-FC3

55-Gallon Cover Outfit for use with your 55-gallon drum of material.

Includes pump, agitator, air control, air filter, and oilers mounted to 55-gallon cover fitted to a pneumatic lift, 30' paired hose assembly with Model FCV-100 Z-Gun and Model FCW-3-SV 3' flow coating wand with 25' supply hose assembly. For use with 80-95 Baume coating.

Gun Options

Gun Model #	Recommended Usage	Model #
FCV-70	60-80 Baume	AR55-HVD-FC3-70
FCV-50	40-70 Baume	AR55-HVD-FC3-50

Multiple gun capability

Wand Length Options

Model #	Length	Model #	Length
FCW-1-SV	1'	FCW-4-SV	4'
FCW-2-SV	2'	FCW-5-SV	5'
FCW-3-SV	3'	FCW-6-SV	6'

Different hose lengths available

For gun extensions see page 21

Recirculation systems available

- Same day exchange/repair for Z-Guns and pumps, full outfit exchange/repair available.
- For maximum trouble free performance match your Z-Gun to your coating – consult Armour when in doubt.
- Outfits shown are for water & alcohol based washes only. Please specify if your wash differs, we offer a variety of options.
- For variations on these basic systems, please see pages 22-23

Combination Spray/Flow Coat Tote Tank Outfits

Model AR5-HVD-FC3-T

Portable Combination Spray/Flow Coating System for use with your tote tank of material.

Includes pump, air control, air filter, carrying case, quick disconnect siphon hose assembly, quick flush manifold with flush hose, Model FCV-100 Z-Gun, 30' paired hose assembly, Model FCW-3-SV 3' flow coating wand, and 25' supply hose assembly. For use with 80-95 Baume coating.

Gun Options

Gun Model #	Recommended Usage	Model #
FCV-70	60-80 Baume	AR55FST-70
FCV-50	40-70 Baume	AR55FST-50

Multiple gun capability

Wand Length Options

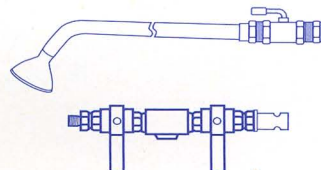
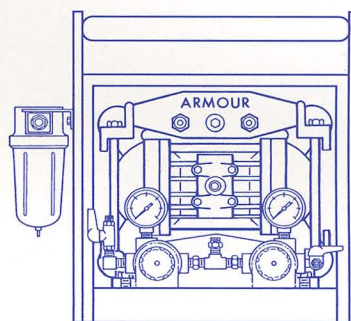
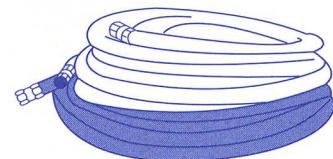
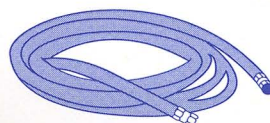
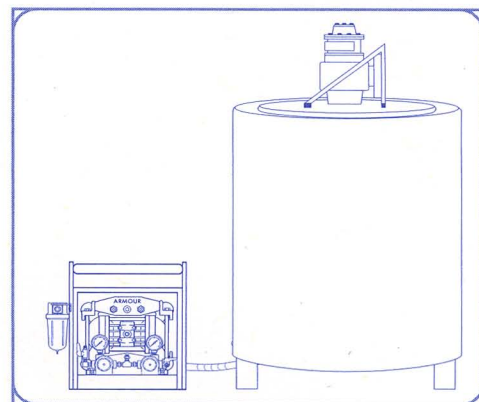
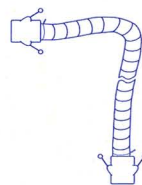
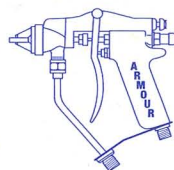
Model #	Length	Model #	Length
FCW-1-SV	1'	FCW-4-SV	4'
FCW-2-SV	2'	FCW-5-SV	5'
FCW-3-SV	3'	FCW-6-SV	6'

Different hose lengths available

For gun extensions see page 21

See page 17 for Tote Tank mixers available

Recirculation system available



Flow Coating 55-Gallon Pump Outfit

Model AR5-FC-3

Portable Flow Coating System for use with your 55-gallon drum of material.

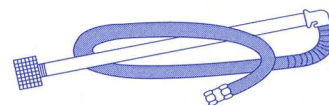
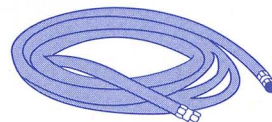
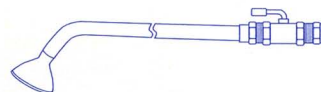
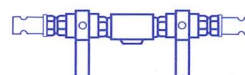
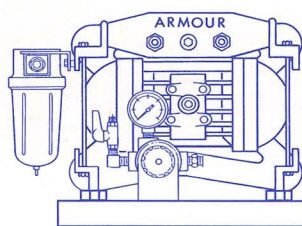
Includes pump, air control, and air filter mounted to base, includes siphon hose assembly with pipe and strainer, quick flush manifold, 25' supply hose assembly, and Model FCW-3-SV 3' flow coating wand.

Wand Length Options

Model #	Length	Model #	Length
FCW-1-SV	1'	FCW-4-SV	4'
FCW-2-SV	2'	FCW-5-SV	5'
FCW-3-SV	3'	FCW-6-SV	6'

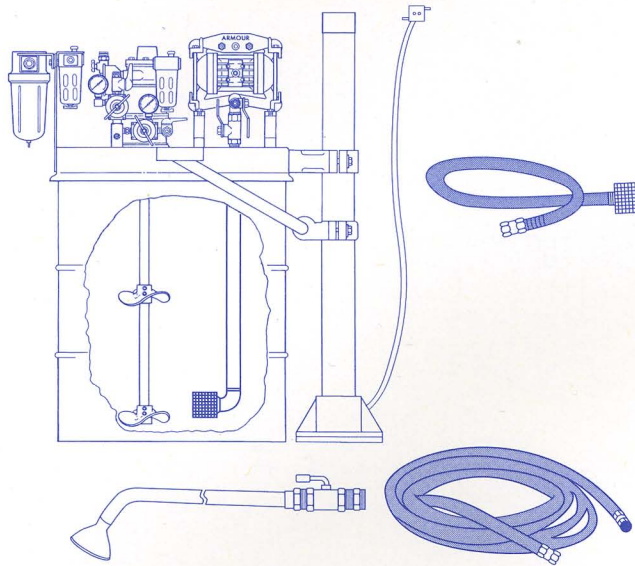
Different hose lengths available

Recirculation system available



- Same day exchange/repair for Z-Guns and pumps, full outfit exchange/repair available.
- For maximum trouble free performance match your Z-Gun to your coating – consult Armour when in doubt.
- Outfits shown are for water & alcohol based washes only. Please specify if your wash differs, we offer a variety of options.
- For variations on these basic systems, please see pages 22-23

Flow Coating 55-Gallon Pump and Tote Tank Outfits



Model AR55-FC-3

55-Gallon Flow Coating Cover Outfit for use with your 55-gallon drum of material.

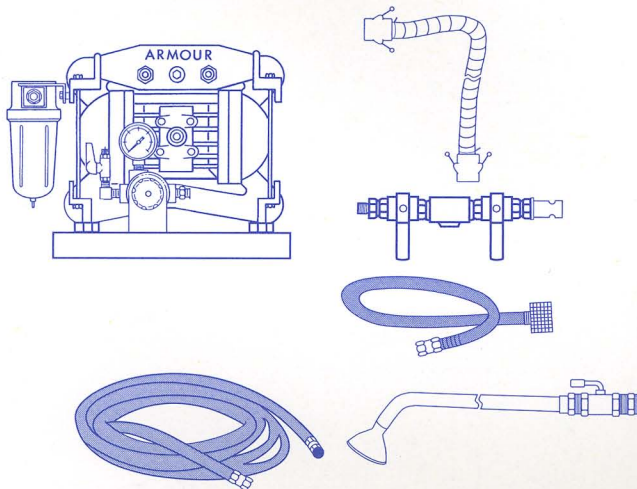
Includes pump, agitator, air control, air filter, and oilers mounted to 55-gallon cover fitted to a pneumatic lift, 40" flush hose with strainer, 25' supply hose assembly and Model FCW-3-SV 3' flow coating wand.

Wand Length Options

Model #	Length	Model #	Length
FCW-1-SV	1'	FCW-4-SV	4'
FCW-2-SV	2'	FCW-5-SV	5'
FCW-3-SV	3'	FCW-6-SV	6'

Different hose lengths available

Recirculation system available



Model AR5-FCT-3

Portable Flow Coating System for use with your tote tank of material.

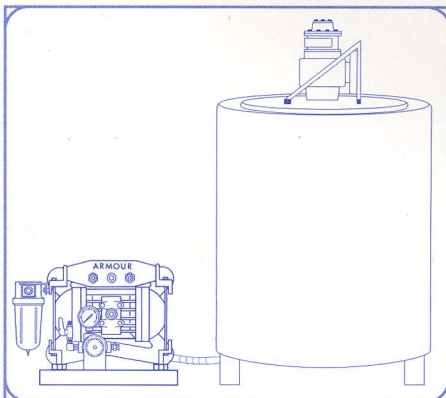
Includes pump, air control, air filter, and quick flush manifold mounted to base, quick disconnect siphon hose assembly, 25' supply hose assembly, and Model FCW-3-SV 3' flow coating wand.

Wand Length Options

Model #	Length	Model #	Length
FCW-1-SV	1'	FCW-4-SV	4'
FCW-2-SV	2'	FCW-5-SV	5'
FCW-3-SV	3'	FCW-6-SV	6'

Different hose lengths available

Recirculation system available



- Same day exchange/repair for Z-Guns and pumps, full outfit exchange/repair available.
- For maximum trouble free performance match your Z-Gun to your coating – consult Armour when in doubt.
- Outfits shown are for water & alcohol based washes only. Please specify if your wash differs, we offer a variety of options.
- For variations on these basic systems, please see pages 22-23

Release Agents 5-Gallon Pump Outfits

Model AR5A5-RA-30

Portable Spray System with 5-gallon cover mixer for use with your 5-gallon pail of material. Cover minimizes evaporation while the mixer maintains proper suspension.

Includes pump, air control, air filter, and carrying case with 5-gallon cover mixer, 40" flush hose assembly, 30' paired hose assembly, and Model FCV-30 Z-Gun.

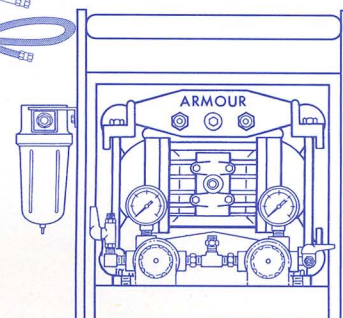
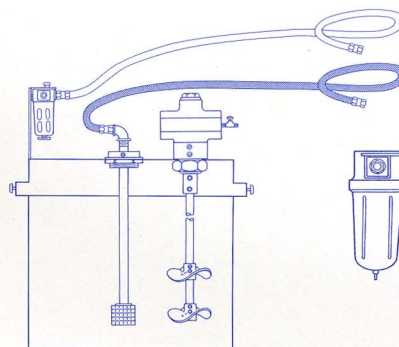
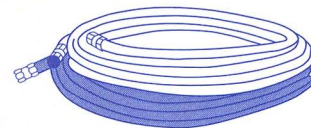
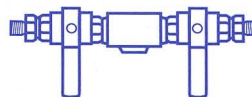
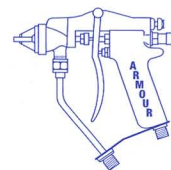
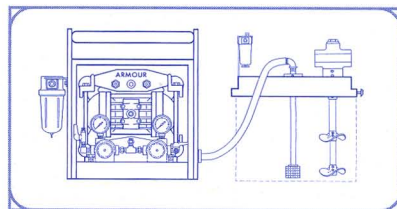
Gun Options

Gun Type	Specifications	Model Number
FCV-30	Fan Pattern, Fine Mist	Standard
FCV-20	Fan Pattern, Very Fine Mist	AR5A5-RA-20
CCV-30	Conical Pattern, Fine Mist	AR5A5-RA-C30
CCV-20	Conical Pattern, Very Fine Mist	AR5A5-RA-C20

Multiple guns supported

Different hose lengths available

For gun extensions see page 21



Model AR5-RAC-30

Portable Spray System with 5-gallon cover for use with your 5-gallon pail of material.

Includes pump, air control, air filter, and supply pipe with strainer mounted to 5-gallon cover, includes 30" paired hose assembly and Model FCV-30 Z-Gun.

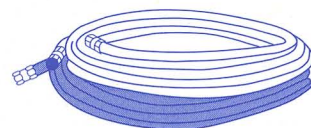
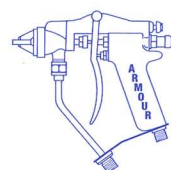
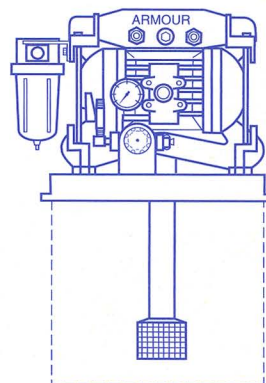
Gun Options

Gun Type	Specifications	Model Number
FCV-30	Fan Pattern, Fine Mist	Standard
FCV-20	Fan Pattern, Very Fine Mist	AR5-RAC-20
CCV-30	Conical Pattern, Fine Mist	AR5-RAC-C30
CCV-20	Conical Pattern, Very Fine Mist	AR5-RAC-C20

Multiple guns supported

Different hose lengths available

For gun extensions see page 21

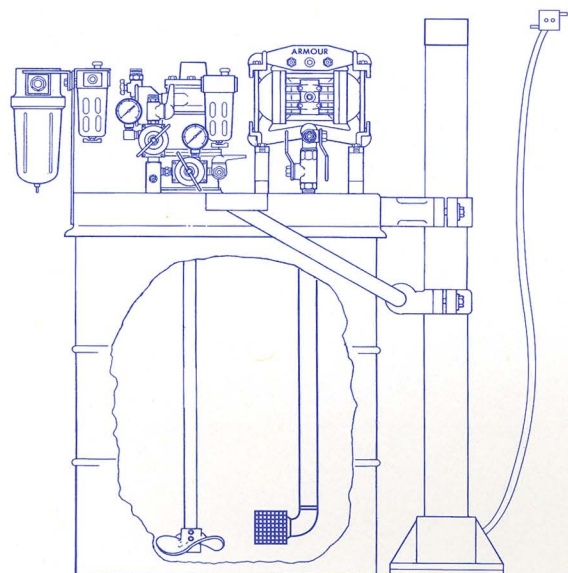


Multiple station design available, please call Armour for specifications and model numbers.



- Same day exchange/repair for Z-Guns and pumps, full outfit exchange/repair available.
- For maximum trouble free performance match your Z-Gun to your coating – consult Armour when in doubt.
- Outfits shown are for water & alcohol based washes only. Please specify if your wash differs, we offer a variety of options.
- For variations on these basic systems, please see pages 22-23

Release Agents 55-Gallon Pump Outfit



Model AR55-RA-30

55-Gallon Cover Outfit for use with your 55-gallon drum of material.

Includes pump, 5 hp agitator, air control, air filter, and oilers mounted to 55-gallon cover fitted to a pneumatic lift, with 40" flush hose assembly, 30' paired hose assembly, and Model FCV-30 Z-Gun, pressure dump line (not shown).

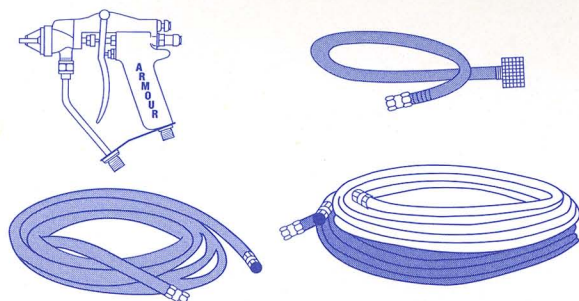
Gun Options

Gun Type	Specifications	Model #
FCV-30	Fan Pattern, Fine Mist	Standard
FCV-20	Fan Pattern, Very Fine Mist	AR55-RA-20
CCV-30	Conical Pattern, Fine Mist	AR55-RA-C30
CCV-20	Conical Pattern, Very Fine Mist	AR55-RA-C20

Multiple guns supported

Different hose lengths available

For gun extensions see page 21



Multiple station design available, please call the Factory for specifications and model numbers.



- Same day exchange/repair for Z-Guns and pumps, full outfit exchange/repair available.
- For maximum trouble free performance match your Z-Gun to your coating – consult Armour when in doubt.
- Outfits shown are for water & alcohol based washes only. Please specify if your wash differs, we offer a variety of options.
- For variations on these basic systems, please see pages 22-23

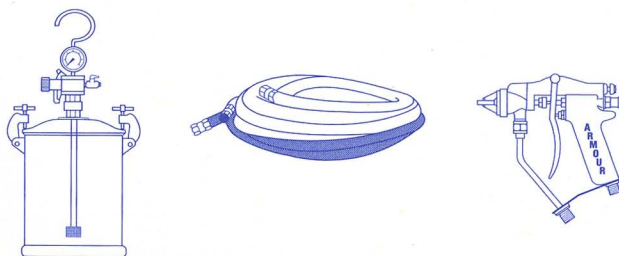
Release Agents 2 and 5-Gallon Tank Outfits

Model AR2T-221L-30

2-Gallon Pressure Tank with 20' paired hose assembly and Model FCV-30 Z-Gun. Sprays a fan pattern of fine mist.

Options

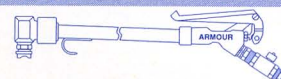
Wand	Recommended Usage	Model #
WA-3690	Fan - Low Air	AR2T-221L-W36
R1036	Conical - High Air	AR2T-221L-R36



Options



R1036



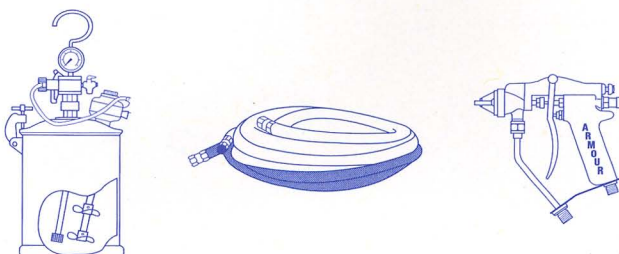
WA-3690

Model AR2T-221A-30

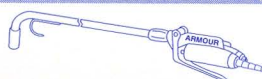
2-Gallon Agitated Tank with 20' paired hose assembly and Model FCV-30 Z-Gun. Sprays a fan pattern of fine mist.

Options

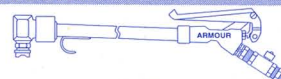
Wand	Recommended Usage	Model #
WA-3690	Fan - Low Air	AR2T-221A-W36
R1036	Conical - High Air	AR2T-221A-R36



Options



R1036



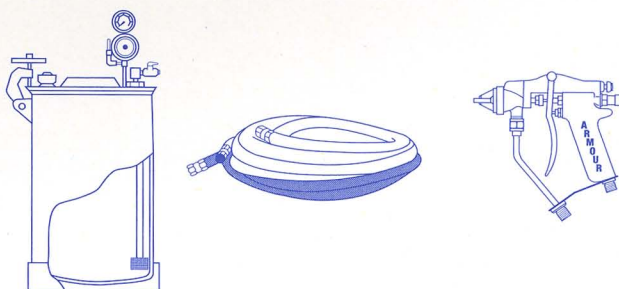
WA-3690

Model AR5T-501L-30

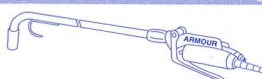
5-Gallon Pressure Tank with 20' paired hose assembly and Model FCV-30 Z-Gun. Sprays a fan pattern of fine mist.

Options

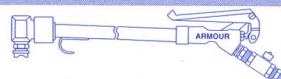
Wand	Recommended Usage	Model #
WA-3690	Fan - Low Air	AR5T-501L-W36
R1036	Conical - High Air	AR5T-501L-R36



Options



R1036



WA-3690



- Same day exchange/repair for Z-Guns and pumps, full outfit exchange/repair available.
- For maximum trouble free performance match your Z-Gun or wand to your coating – consult Armour when in doubt.
- Outfits shown are for water & alcohol based washes only. Please specify if your wash differs, we offer a variety of options.
- For variations on these basic systems, please see pages 22-23

Release Agents 5-Gallon Tank and 2-Quart Cup Outfits

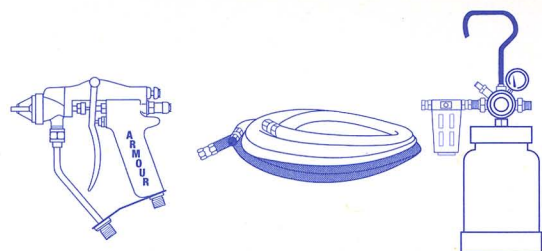
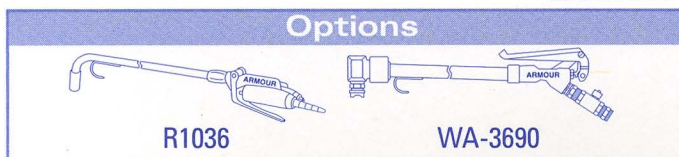


Model AR5T-501A-30

5-Gallon Agitated Tank with 20' paired hose assembly and Model FCV-30 Z-Gun. Sprays a fan pattern of fine mist.

Options

Wand	Recommended Usage	Model #
WA-3690	Fan - Low Air	AR5T-501A-W36
R1036	Conical - High Air	AR5T-501A-R36

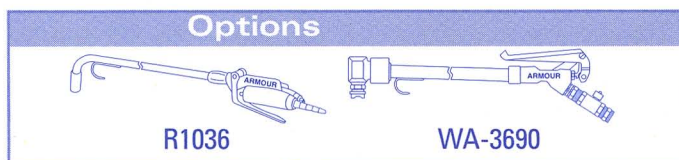


Model AR2Q-1230

2-Quart Cup with 12' paired hose assembly and Model FCV-30 Z-Gun. Sprays a fan pattern of fine mist.

Options

Wand	Recommended Usage	Model #
WA-3690	Fan - Low Air	AR2Q-1230-W36
R1036	Conical - High Air	AR2Q-1230-R36



For Models on Both Pages

Gun Options

Gun Type	Specifications	Model #
FCV-20	Fan Pattern, Very Fine Mist	
CCV-30	Conical Pattern, Fine Mist	
CCV-20	Conical Pattern, Very Fine Mist	
Different hose lengths available		
For gun extensions see page 21		

Wand Length Options

Model #	Length	Model #	Length
Low Air Wands			
WA-1290	1'	WA-4890	4'
WA-2490	2'	WA-6090	5'
WA-3690	3'	WA-7290	6'
High Air Wands			
R1012	1'	R1048	4'
R1024	2'	R1060	5'
R1036	3'	R1072	6'

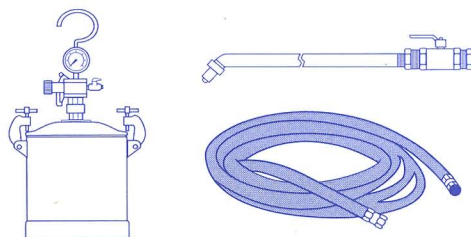


- Same day exchange/repair for Z-Guns and pumps, full outfit exchange/repair available.
- For maximum trouble free performance match your Z-Gun or wand to your coating – consult Armour when in doubt.
- Outfits shown are for water & alcohol based washes only. Please specify if your wash differs, we offer a variety of options.
- For variations on these basic systems, please see pages 22-23

Metal Cleaners 2½ and 5-Gallon Tank Outfits

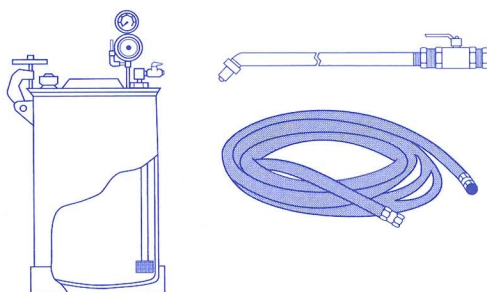
Model AR2T-AMC-A48R

2½-Gallon Pressure Tank with 20' supply hose assembly and Model WA-A48R 4' wand.



Model AR5T-AMC-A48R

5-Gallon Pressure Tank with 20' supply hose assembly and Model WA-A48R 4' wand.



Wand Length Options-Fan Spray

Model #	Length	Model #	Length
WA-A12	1'	WA-A48	4'
WA-A24	2'	WA-A60	5'
WA-A36	3'	WA-A72	6'

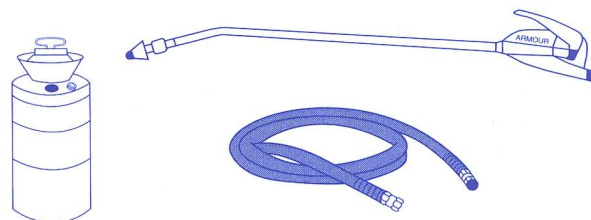
Wand Length Options-Conical Spray

Model #	Length	Model #	Length
WA-A12R	1'	WA-A48R	4'
WA-A24R	2'	WA-A60R	5'
WA-A36R	3'	WA-A72R	6'

Parting Agents 1-Gallon Tank Outfit

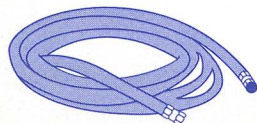
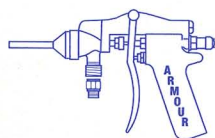
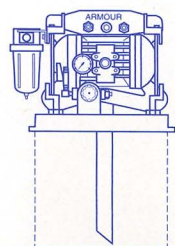
Model SP1-18W

1-Gallon SS Tank with 5' fluid hose assembly and Model #850 18" wand, includes fan spray nozzle.



- Same day exchange/repair for Z-Guns and pumps, full outfit exchange/repair available.
- For maximum trouble free performance match your Z-Gun or wand to your coating – consult Armour when in doubt.
- Outfits shown are for water & alcohol based washes only. Please specify if your wash differs, we offer a variety of options.
- For variations on these basic systems, please see pages 22-23

Glue/Adhesives 5 and 55-Gallon Outfits



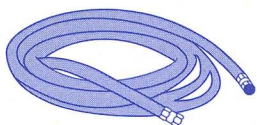
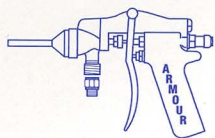
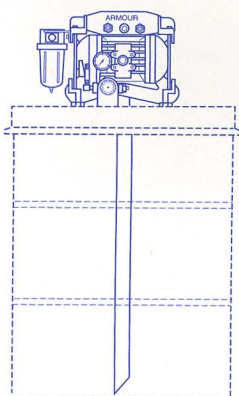
Model AR5-NGA-HVGA

Portable spray system mounted to 5-gallon cover which you place on your pail of acetone-based glue.

Includes pump, air control, air filter and supply tube mounted to 5-gallon cover with 10' supply hose assembly and Model HVGA glue gun.

Model AR5-WCP-HVGA

Same as Model AR5-NGA-HVGA, for water-based glue.



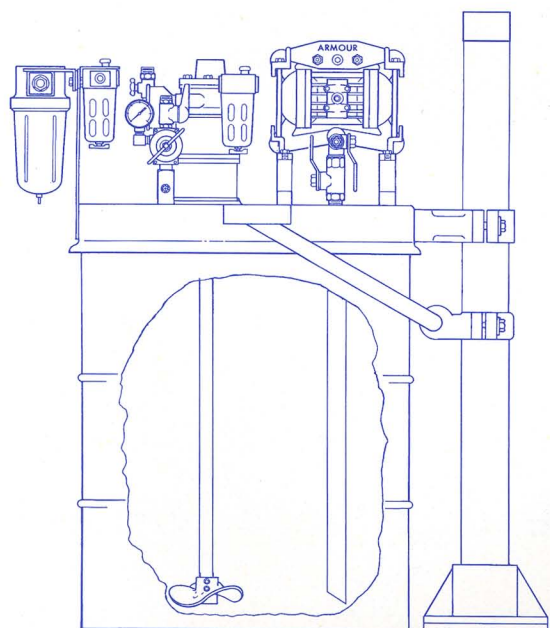
Model AR5G-NGA-HVGA

55-Gallon Spray System for use with your 55-gallon drum of acetone-based glue.

Includes air control, air filter and supply tube mounted to pump with 10' supply hose assembly and Model HVGA glue gun.

Model AR5G-WCP-HVGA

Same as Model AR5G-NGA-HVGA, for water-based glue.



Model AR55-NGA-HVGA

55-Gallon Cover Outfit for use with your 55-gallon drum of acetone-based glue.

Includes pump, air control, air filter, and 5 hp agitator mounted to 55-gallon cover fitted to a pneumatic lift with 10' supply hose assembly and Model HVGA glue gun.

Model AR55-WCP-HVGA

Same as Model AR55-NGA-HVGA, for water-based glue.

Gun Options For All Glue Models

Gun Type	Specifications	Model #
HVGA	1/2" Bead, Heavy Viscosity	Standard
HVGA-70	1/2" Bead, Medium Viscosity	
HVGA-50	1/2" Bead, Light Viscosity	
GA-1000	1/4" Bead	
GA-1001	1/4" Bead, with Control Knob	
Multiple guns supported		
Different hose lengths available		



- Same day exchange/repair for Z-Guns and pumps, full outfit exchange/repair available.
- For maximum trouble free performance match your Z-Gun to your glue—consult Armour when in doubt.
- Outfits shown are for water & acetone based glues only. Please specify if your wash differs, we offer a variety of options.
- For variations on these basic systems, please see pages 22-23

55-Gallon Cover Mixers

Model HDA-555

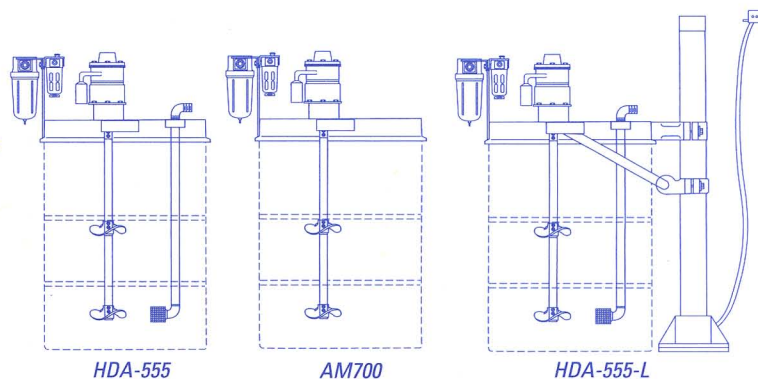
5 hp Heavy Duty Cover Mixer with air filter, oiler and supply tube. Comes standard with $\frac{7}{8}$ " diameter stainless steel shaft and 7" stainless steel props.

Model AM700

5 hp Heavy Duty Cover Mixer with air filter and oiler. Comes standard with $\frac{7}{8}$ " diameter stainless steel shaft and 7" stainless steel props.

Model HDA-555-L

5 hp Heavy Duty Cover Mixer with air filter, oiler and supply tube with pneumatic lift. Comes standard with $\frac{7}{8}$ " diameter stainless steel shaft and 7" stainless steel props.



Cover Mixer Options

Angled Shafts, Prop Sizes from 7" to 18"

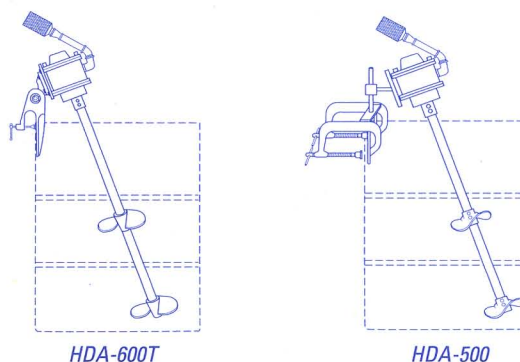
55-Gallon Side-Mounted Mixers

Model HDA-600T

5 hp Heavy Duty Side Mounted Mixer with adjustable C-Clamp. Comes standard with $\frac{7}{8}$ " diameter stainless steel shaft and 7" stainless steel props.

Model HDA-500

5 hp Heavy Duty Side Mounted Mixer with double C-Clamp. Comes standard with $\frac{7}{8}$ " diameter stainless steel shaft and 7" stainless steel props.



Side-Mounted Mixer Options

Prop Sizes from 7" to 18"

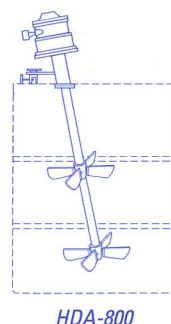
55-Gallon Bung-Hole Mixers

Model HDA-800

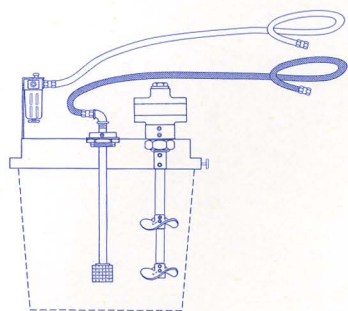
Heavy Duty Bung-Hole Mixer.

Bung-Hole Mixer Options

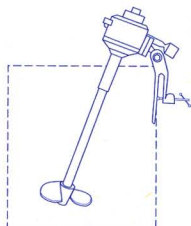
Four lobe collapsible props Comes standard with stainless steel shaft and stainless steel props.



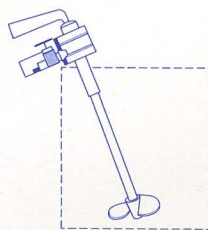
5-Gallon Mixers



Model 5CA-7600



Model 5CC-7700



Model 5CH-7800

Model 5CA-7600

5-Gallon Cover Mixer for use with your 5-gallon pail of material.

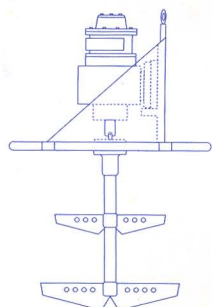
Model 5CC-7700

5-Gallon Side Mounted Mixer with C-Clamp for use with your 5-gallon pail of material.

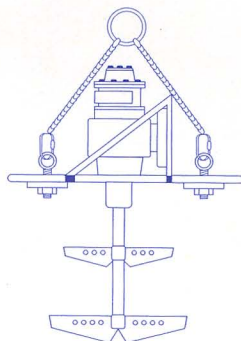
Model 5CH-7800

5-Gallon Hand-Held Mixer for use with your 5-gallon pail of material.

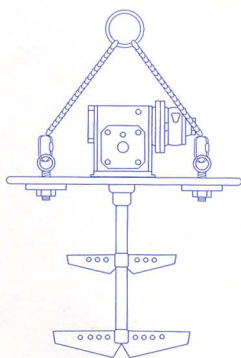
Tote Tank Mixers



Model 201S-5QC



Model 201S-5HMSS



Model 201S-HSS

Model 201S-5HMSS

5 hp Tote Tank Mixer with harness assembly. Comes standard with stainless steel shaft and paddles.

Model 201S-5QC

5 hp Quick Change Tote Tank Mixer. Comes standard with stainless steel shaft and paddles.

Model 201S-HSS

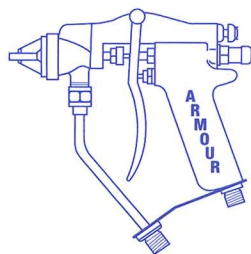
1 1/2 hp Tote Tank Mixer with harness assembly. Comes standard with stainless steel shaft and paddles.

Electrical drives available, consult Armour
Poly Tank mixers available, consult Armour

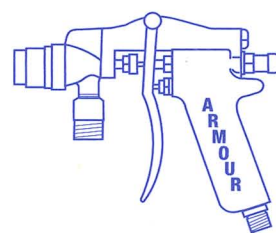
Guns for Mold & Core Coatings and Lost Foam

Fan Pattern

Gun Model #	Recommended Usage	Spray
FCV-100	70-95 Baume	Fan - 2" to 14"
FCV-70	60-80 Baume	Fan - 2" to 14"
FCV-50	40-70 Baume	Fan - 2" to 14"



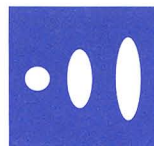
FCV Gun



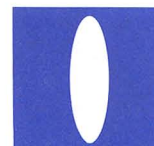
HVF Gun

High Volume Fan

Gun Model #	Recommended Usage	Spray
HVF-100	70-95 Baume	Fan - 14" to 16"
HVF-70	60-80 Baume	Fan - 14" to 16"
HVF-50	40-70 Baume	Fan - 14" to 16"



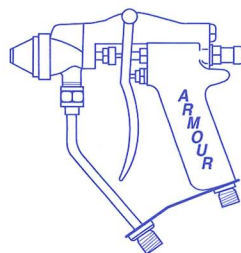
Spray Pattern



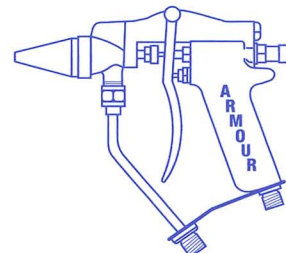
Spray Pattern

Conical Pattern

Gun Model #	Recommended Usage	Spray
CCV-100	70-95 Baume	Conical - 3" to 5"
CCV-70	60-80 Baume	Conical - 3" to 5"
CCV-50	40-70 Baume	Conical - 3" to 5"



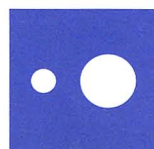
CCV Gun



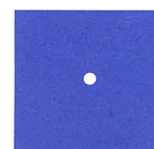
CCV-ELB Gun

Extended Conical

Gun Model #	Recommended Usage	Spray
CCV-ELB-100 Pattern	70-95 Baume	Very Tight
CCV-ELB-70 Pattern	60-80 Baume	Very Tight
CCV-ELB-50 Pattern	40-70 Baume	Very Tight



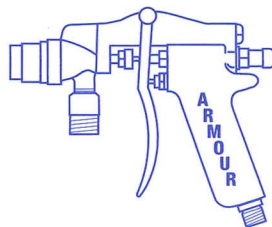
Spray Pattern



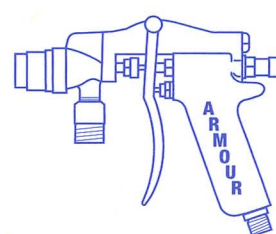
Spray Pattern

High Volume Conical

Gun Model #	Recommended Usage	Spray
HVC-100	70-95 Baume	Conical - 4" to 6"
HVC-70	60-80 Baume	Conical - 4" to 6"
HVC-50	40-70 Baume	Conical - 4" to 6"



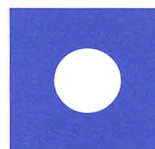
HVC Gun



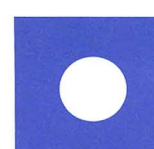
HVCC Gun

High Volume-Carbide Tip

Gun Model #	Recommended Usage	Spray
HVCC-100	70-95 Baume	Conical - 4" to 6"
HVCC-70	60-80 Baume	Conical - 4" to 6"
HVCC-50	40-70 Baume	Conical - 4" to 6"

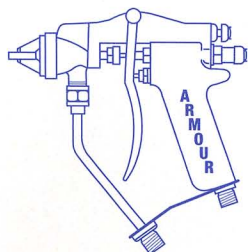


Spray Pattern

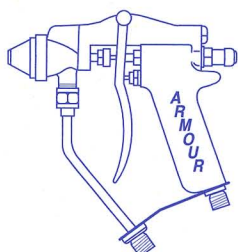


Spray Pattern

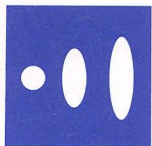
Guns for Release Agents



FCV Gun



CCV Gun



Spray Pattern



Spray Pattern

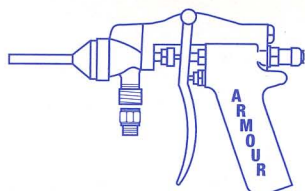
Fan Pattern

Gun Model #	Recommended Usage	Spray
FCV-30	Fine Mist	Fan - 2" to 14"
FCV-20	Very Fine Mist	Fan - 2" to 14"

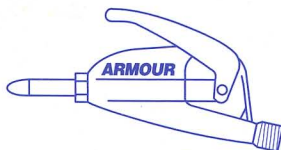
Conical Pattern

Gun Model #	Recommended Usage	Spray
CCV-30	Fine Mist	Conical - 2" to 14"
CCV-20	Very Fine Mist	Conical - 2" to 14"

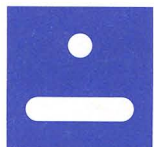
Guns for Glue



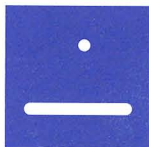
HVGA Gun



GA Gun



Bead Pattern



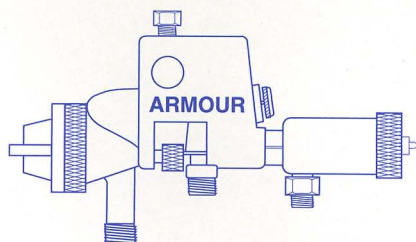
Bead Pattern

Specifications

Gun Model #	Recommended Usage	Bead
HVGA-100	Heavy Viscosity	1/2" Bead
HVGA-70	Medium Viscosity	1/2" Bead
HVGA-50	Light Viscosity	1/2" Bead
GA-1000		1/4" Bead
GA-1001	With Control Knob	1/4" Bead

Consult Armour to match gun to your material.

Automatic Gun



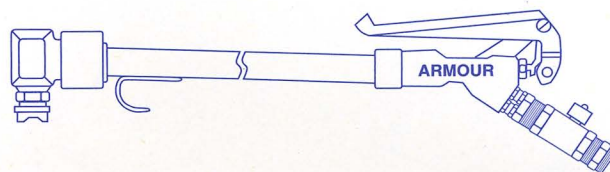
Fan Pattern

Gun Model #	Recommended Usage	Spray
FCV-AS	70-95 Baume	Fan - 2" to 14"
FCV-A70S	60-80 Baume	Fan - 2" to 14"
FCV-A50S	40-70 Baume	Fan - 2" to 14"
FCV-A40S	Release Agent	Fan - 2" to 14"
FCV-A30S	Release Agent	Fan - 2" to 14"
FCV-A20S	Release Agent	Fan - 2" to 14"

Wands

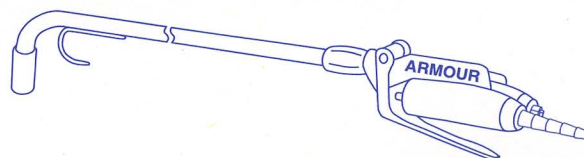
Release Agent Fan Spray - Low Air

Wand Model #	Recommended Usage	Length
WA-1290	90° Spray Wand Air & Fluid	12"
WA-2490	90° Spray Wand Air & Fluid	24"
WA-3690	90° Spray Wand Air & Fluid	36"
WA-4890	90° Spray Wand Air & Fluid	48"
WA-6090	90° Spray Wand Air & Fluid	60"
WA-7290	90° Spray Wand Air & Fluid	72"



Release Agent Conical Spray - High Air

Wand Model #	Recommended Usage	Length
R1012	90° Spray Wand Air & Fluid	12"
R1024	90° Spray Wand Air & Fluid	24"
R1036	90° Spray Wand Air & Fluid	36"
R1048	90° Spray Wand Air & Fluid	48"
R1060	90° Spray Wand Air & Fluid	60"
R1072	90° Spray Wand Air & Fluid	72"



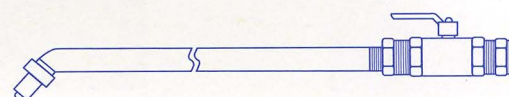
Metal Cleaner Fan Spray

Wand Model #	Recommended Usage	Length
WA-A12	45° Spray Wand, Fluid Only	12"
WA-A24	45° Spray Wand, Fluid Only	24"
WA-A36	45° Spray Wand, Fluid Only	36"
WA-A48	45° Spray Wand, Fluid Only	48"
WA-A60	45° Spray Wand, Fluid Only	60"
WA-A72	45° Spray Wand, Fluid Only	72"



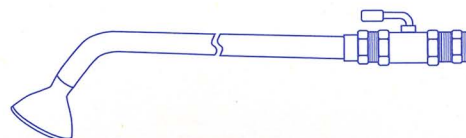
Metal Cleaner Conical Spray

Wand Model #	Recommended Usage	Length
WA-A12R	45° Spray Wand, Fluid Only	12"
WA-A24R	45° Spray Wand, Fluid Only	24"
WA-A36R	45° Spray Wand, Fluid Only	36"
WA-A48R	45° Spray Wand, Fluid Only	48"
WA-A60R	45° Spray Wand, Fluid Only	60"
WA-A72R	45° Spray Wand, Fluid Only	72"



Flow Coating Wand - Single Valve

Wand Model #	Recommended Usage	Length
FCW-1-SV	Fluid only	12"
FCW-2-SV	Fluid only	24"
FCW-3-SV	Fluid only	36"
FCW-4-SV	Fluid only	48"
FCW-5-SV	Fluid only	60"
FCW-6-SV	Fluid only	72"

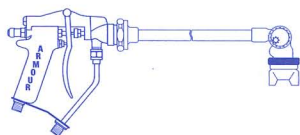


Parting Agents Wand Fan Spray

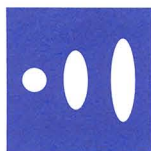
Wand Model #	Recommended Usage	Length
850	Fluid Only	18"



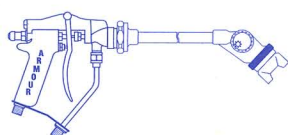
Z-Gun Extensions



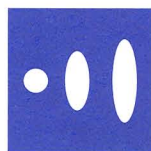
X-A90



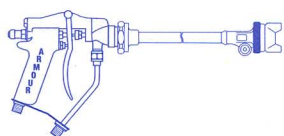
Spray Pattern



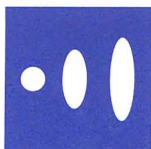
X-A45



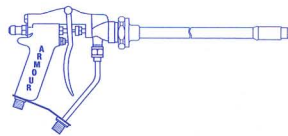
Spray Pattern



X-STR



Spray Pattern



X-CIR



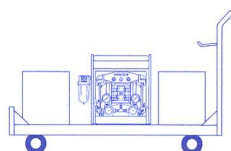
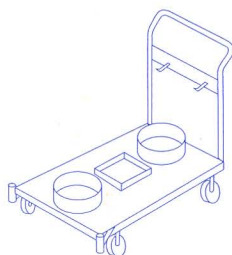
Spray Pattern

Specifications

Model #	Extension Type	Lengths Available
X-A90	90° Angled Extension	6" - 96"
X-A45	45° Angled Extension	6" - 96"
X-STR	Straight Extension	6" - 96"
X-CIR	360° Circular Extension	6" - 96"

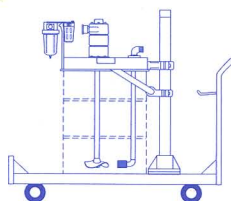
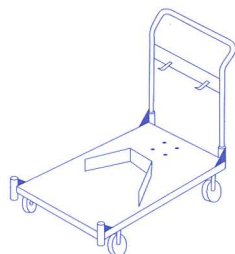
Longer extensions available on request.

Carts



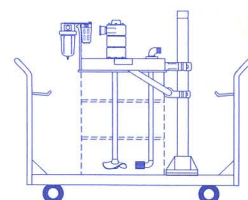
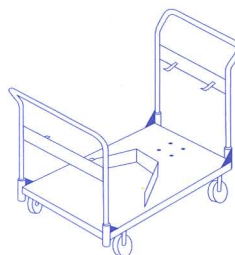
Model 400-C

Heavy Duty 4-Wheel Cart for use with 5-gallon outfalls.



Model 455-C

Heavy Duty 4-Wheel Cart for use with 55-gallon outfalls.



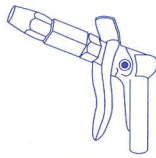
Model 455-CM

Heavy Duty 2-Handle 4-Wheel Cart for use with 55-gallon outfalls.

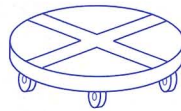
Miscellaneous



ZHA



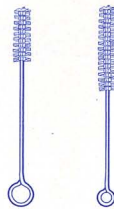
SJ-5



VB-554



B-6800



B-6810

ZHA

Z-Gun Hangar Assembly.

SJ-5

Siphon Jet Gun.

VB-554

Heavy Duty Vibrating 55-Gallon Dolly with 4 wheel casters.

B-6800

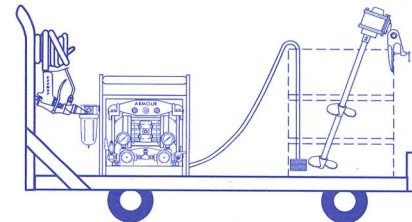
5-Piece Cleaning Brush Kit.

B-6810

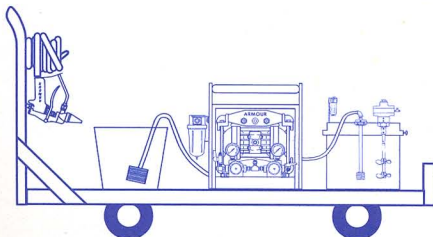
2-Piece Cleaning Brush Kit.

Application Variations and Customization

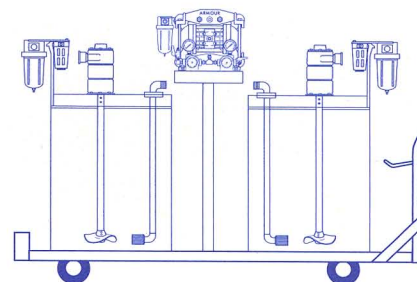
Armour Spray Systems, Inc. can customize our equipment to meet your needs. These two pages show some of the many variations we have produced for our customers. If you have a specific need or require a non-standard system contact our foundry. We will work with you to match the best equipment to your situation.



Model AR55Q Portable Pump Outfit with Model AG400 Side Mount Mixer and Model 455-C Heavy Duty Cart

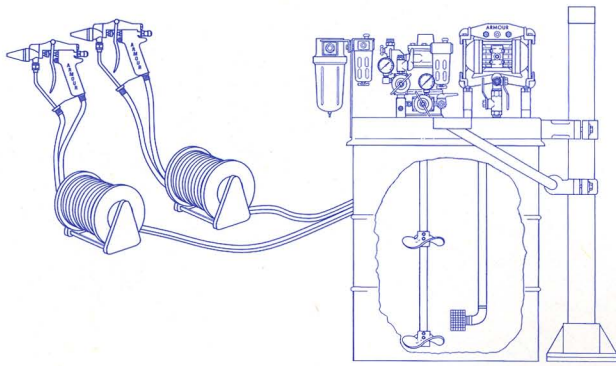


Model AR5M Portable Pump Outfit with Model 400-C Heavy Duty Cart

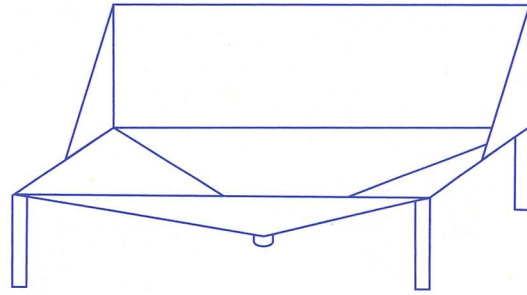


55-Gallon Dual Inlet Spray System with two 55-Gallon Cover Mixers and Cart with Bracket

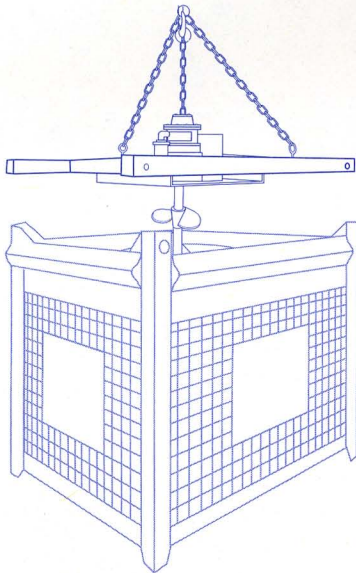
Application Variations and Customization



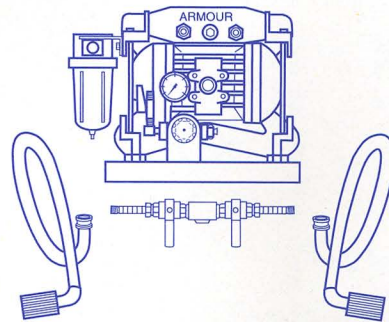
55-Gallon Dual Gun Pump Outfit with Hose Reels



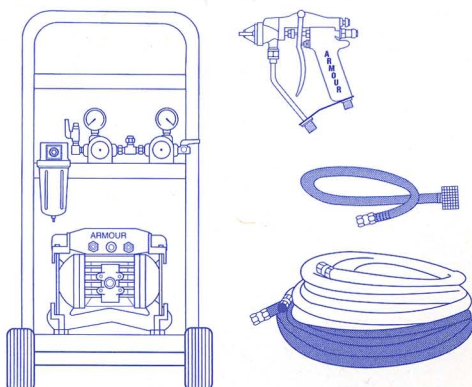
Flow Coating Collection Tray



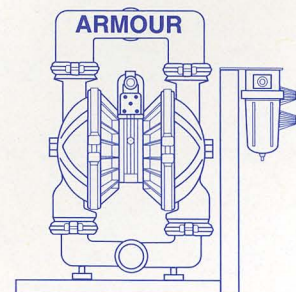
Tote Tank Mixer Variation



Portable Dual Inlet Flow Coating Outfit



Model AR5-HVD-HT-72 Portable Pump Outfit



Model 55-HVM2 2" Pump



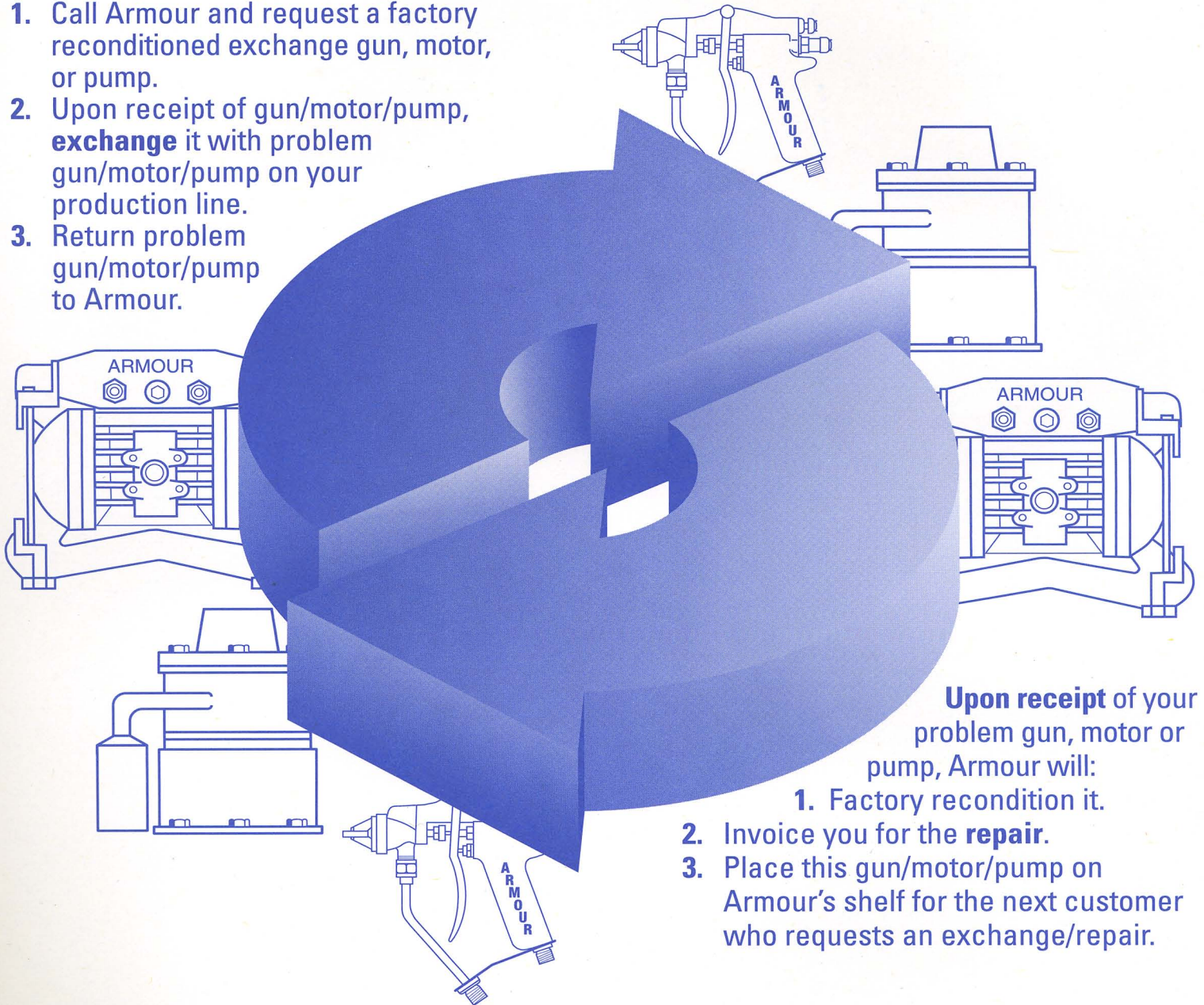
Armour Spray Systems, Inc.

210 HAYES DRIVE • CLEVELAND, OHIO 44131 • (216)398-3838 • FAX 398-0862

Exchange/Repair Program

Exchange/repair of Z-Guns, Air Motors and Champion Pumps, as easy as 1-2-3:

1. Call Armour and request a factory reconditioned exchange gun, motor, or pump.
2. Upon receipt of gun/motor/pump, **exchange** it with problem gun/motor/pump on your production line.
3. Return problem gun/motor/pump to Armour.



Upon receipt of your problem gun, motor or pump, Armour will:

1. Factory recondition it.
2. Invoice you for the **repair**.
3. Place this gun/motor/pump on Armour's shelf for the next customer who requests an exchange/repair.

Z-Gun Advantages

- Handles any foundry coating – low or high solids.
- Practically maintenance free – no tip clogging.
- Material savings to 30%.
- Low pressure operation far below OSHA limits.
- Easily applies any coating to 100 Baume – 85% Solids.
- Equipment pay back as low as 3 months.

Special Notes:

- Complete systems are also available on an exchange/repair basis.
- Visit our web site at www.armourspray.com.