

Airless

statfield
equipments



High Performance Coating



Ultimate Protection

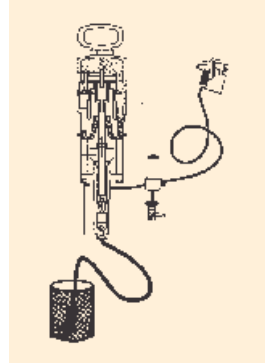


Airless Painting Equipments

Statfield Equipments, leaders in powder coating and liquid painting in India, offer airless painting equipment for high performance protective coating and painting requirements of the railway, shipping, construction and heavy machinery industries. Creative R&D, innovative approach, Indigenised, sturdy designs, inbuilt efficiencies, cost-effectivity and prompt service are the hall-marks of Statfield; hall-marks that have kept Statfield in a leading position for four decades and running.

Principle

Equipment operates by compressing paint at high pressure and by passing through tip. The jet emerges as fine spray from the nozzle. The pumps depending on application and model develop pressure in between 90-480 bar. Surface finishing on the article is achieved by following parameters; Viscosity, Particle size, Product pressure and size of the tip.



Airless equipment in comparison to conventional spray gun has following advantages

- Output of airless spray gun is 3 to 5 times faster as output is 100% paint compared 5% paint output in conventional gun.
- Paint attraction rate is about 10-20 % more than conventional gun.
- Solvent/thinner saving is reduced by 20% as viscous paint can be handle by airless painting.

High Performance Equipments - Sarita & Sagar



Sarita



Sagar

Salient Features:

- Can handle highly viscous paints
- Excellent coating speed
- High film build-up in a single pass
- Very less over spray

Applications:

- Anti-corrosive coatings for ship / off-shore platforms
- Railways
- Structural fabrication
- Bridges
- Dam gates
- Automobiles
- Transformers
- Pipelines
- Scaffolding etc.
- Airoplane

Selecting an Airless Equipment

Paint	Atomising Pre kg/cm ²	Substrate	Viscosity			Sangam	Sagar V	Sarita	Sagar IV	Sagar	Sagar III	Sagar II	Sagar VII
			Low	Med	High	4169	52517	4305	54011	54509	55507	56805	57505
Zinc-rich Primer	50	Metal	↑				●						
Chassis Black	80	Car Body	↕			●	●	●					
Anticorrosive	100	Steel		↑		□	□	●	●	●	●	●	
Syn Resin	100	Wood				□	□	●	●	●	●	●	
Urethane Resin	100	Wood				□	□	●	●	●	●	●	
Ship's Bottom	100	Ship				□	□	●	●	●	●	●	
Epoxy Resin	120	Metal		↑			□	□	□	●	●	●	
Acrylic	120	Metal					□	□	□	●	●	●	
Chlorinated Rubber	150	Ship					□	□	□	●	●	●	
Epoxy Coal Tar	150	Ship					□	□	□	●	●	●	

● : Most Suitable

□ : Suitable but subject to trial

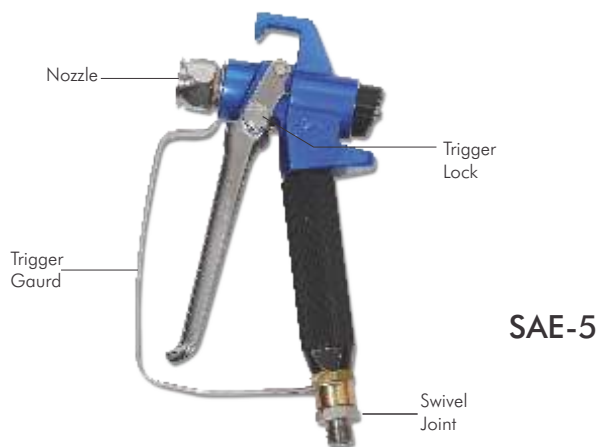
Airless Accessories

Airless Spray Gun - SAE - 5

This Airless Spray Gun has proven its performance in varieties of applications and therefore SAE-% is known to be Painter's First Choice

Salient Features:

- Paint path is internal & safe
- For safety, trigger guard & trigger lock are provided to avoid accidental spraying
- To ensure longer life, cartridge type packing is provided
- Extra fine mesh filter is provided inside the gun to avoid nozzle clogging
- Light weight & well-balanced construction for easy handling
- For maintenance, an easy access to fluid needle packing from outside
- Swivel joint for ease of manoeuvrability



Technical Specifications

Parameters	Sangam 4169	Sagar V 52517	Sarita 4305	Sagar IV 54011	Sagar 54509	Sagar III 55507	Sagar II 56805	Sagar VII 57505
Max. Fluid Output*	9.0	17.0	5.0	11.4	9.0	7.0	5	5
Max. Fluid Pressure (kg/cm ²)	104 +/-15	162 +/-13	195 +/-15	293 +/-22	293 +/-22	358 +/-27	440 +/-34	487 +/-37.5
Pressure Ratio	16:1	25:1	30:1	40:1	45:1	55:1	68:1	75:1
Max. Op. Air Pr. (kg/cm ²)	7	7	7	7	7	7	7	7
Fluid Outlet	1/4"(Male)	3/8"(Male)	1/4"(Male)	1/4"(Male)	1/4"(Male)	1/4"(Male)	1/4"(Male)	1/4"(Male)
Air Inlet	1/4"(Female)	3/4" (Female)	1/4" (Male)	3/4" (Female)	3/4" (Female)	3/4" (Female)	3/4" (Female)	3/4" (Female)

*Ltrs/min +/- 5%, based on water at maximum pressure Note : Other ratio pumps are also available on request.

Special Applications:

- Non-woven fabric
- Rust prevention oil
- Food tin coating
- Roof coating

Air Assisted Airless Gun

- Safe Operation at 140 kg/cm² with Reversible System
- Provides "Soft" Spray Atomization to Match an HVLP Finish Coating Possible in Recesses & Cavities at High flow Rates
- Less Bounce Back thus lower booth maintenance and cleanup time



Auto Airless Spray Gun:

In mass production and where the paint consumption is very high, auto airless guns are used. These guns can be mounted on the reciprocator.



T-C (Turn Clean) Holder:

It facilitates an instant flush-out of the clogged nozzle tip without removing the tip from the gun. This saves down-time to a large extent.



Extension Pipes:

These can be attached to an airless gun to reach inaccessible & deep areas. Various lengths of pipes are available



Free Pattern Tip:

In this, the pattern width & fluid output can be easily adjusted and also, the clogged nozzle can be instantly flushed- just by rotating knob.



Fluid Hose:

Stainless steel & nylon on braided hoses with superior pulsation absorption capability & working pressure ranges up to 550 kg/cm² are available for high pressure applications.



Drum Press

This twin post ram mounted system is designed to transfer or extrude heavy viscous materials like sealers, adhesives, putty etc. The positive suction head in this system is provided by mounting the pump with disc which pressurises the material in container.



Airless Electrostatic System

This is the winning combination of Airless system & Electrostatic system delivering high build-up in a single pass & savings due to wrap-around effect & edge coverage.

Airless Nozzles Selection Table

Airless Nozzles Selection Chart Orifice Size - Inches

IN	(MM)	0.0005	0.007	0.009	0.011	0.013	0.015	0.017	0.019	0.021	0.023	0.025	0.027	0.029	0.031	0.033	0.035	0.039	0.043	0.045	0.051	0.055	
2--3	(50-75)	105	107	109	111	113	115	117	119	121													
4--5	(100-125)	205	207	209	211	213	215	217	219	211	223	225	227	229	231	233	235						
6--7	(150-175)	305	307	309	311	313	315	317	319	321	323	325	327	329	331			339	343				
8--9	(200-225)	405	407	409	411	413	415	417	419	421	423	425	427	429	431	433	435			445	451	455	
10--11	(250-275)		507	509	511	513	515	517	519	521	523	525	527	529	531			539	543				
12--13	(300-325)			609	611	613	615	617	619	621	623	625	627	629	631	633	635			645	651	655	
14--15	(350-375)				711	713	715	717	719	721	723	725	727	729	731			739	743				
16-18	(400-450)					813	815	817	819	821	823	825	827	829	831	833	835			845	851	855	
18-20	(450-500)						915	917	919	921	923	925	927	929	931			939	943				
20--22	(500-550)							1017	1019	1021	1023	1025	1027	1029	1031	1033	1035			1045	1051	1055	
Flow rate(gpm)		0.024	0.047	0.066	0.87	0.15	0.19	0.26	0.34	0.40	0.48	0.56	0.66	0.78	0.90	1.00	1.14	1.45	1.79	1.95	2.4	2.9	
Flow rate(lpm)		0.09	0.18	0.25	0.37	0.57	0.72	0.98	1.3	1.52	1.83	2.13	2.5	2.95	3.42	3.8	4.3	5.5	6.8	7.4	9.1	11	

Ovens : Electrical / Gas / Oil / IR

Generally electric fired ovens are selected for small batch size i.e. less heat load. For bigger batch size, oil fired or gas fired ovens are recommended. Heat exchanger gives advantage of indirect heating resulting in cleaner process and better curing quality.

Ovens are required for baking of paint. They are used in post treatment for superior finish.



Liquid Paintings Booths:

A Booth is critical for ensuring a similar in effected pollution free environment during painting. It is basically used to arrest over sprayed paint which is harmful to environment. It has to selected as per article size & paint consumption.

Types of booth:

Water Wash Type • Side Draft



- Suitable for small / medium Articles
- Suitable for paint consumption more then 15 lits / doy.
- Best for pollution free environment
- Sludge formation is done in ground watertank.

Water Wash Type • Down Draft



- Suitable for very big jobs.
- Painter moves around the article.
- Over spray is directed downward.
- Sludge formation is in underground pit.

Dry Back • Side Draft



- Suitable for very less paint consumption (less than 15 lit/day)
- Paint is separated on metallic filters.

We reserve the right to modify / change the above data / specifications without prior notice.

statfield
equipments

Statfield Equipments Pvt. Ltd.

S. No. 1073/1,2,3 Mutha Road, Pirangoot, Pune- 412 111 (India)
Tel.: +91-20-22922180-82 Fax: +91-20-66524695 E-mail: sales@statfieldequipments.com

City Office: 9-10, Laxman Villa, Near Jog Hospital, Paud Road, Pune- 411 038.
Tel.: +91-20-25431450, 25447147 Fax: +91-20-25432349.