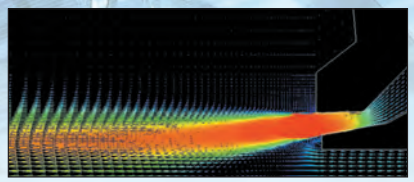
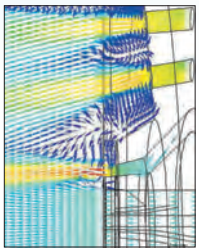
HAND SPRAY GUNS

State-of-the-art Hand Spray Gun based on customer satisfaction



New atomizing system
Improving the spray finishing by optimum air flow



High transfer efficiency
Heavy duty
Excellent handling

Realizing high quality paint film by optimum spraying paint volume.

Stable air flow vastly realizes the prevention of air pressure lost.

Reduction of paint consumption, and small air consumption in saving energy.

Optimum air flow brings the reduction of paint adhesion to air cap set.

Easy handling with optimum weight balance and light weight.

Reduction of trigger load, and improvement of usability with lower resistance packing.

Waterborne compatibility.

Improvement of parts durability.

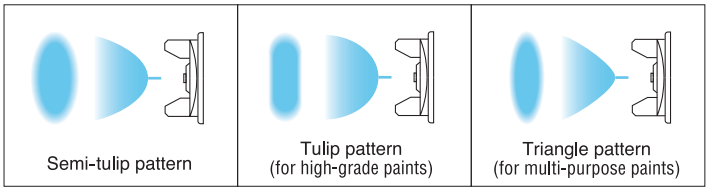
Addition of Semi-tulip pattern.

Each nozzle bore size has its own air cap set.

Air cap sets for suction, gravity, and pressure type are interchangeable in the same fluid nozzle bore size.

Special air cap designed specifically for touch-up work (F110-S13ST, F110-S15ST, F110-G13ST, F110-G15ST)
Designed specifically for touch-up work to provide the ideal spray for painting small to medium-sized areas.

Special air cap 10PMAS is ideal for spraying pressure at 0.4MPa(58PSI) in the line painting.
Stainless steel passage for waterborne compatibility. (F110-P0810PMAS, F110-P10PMAS)
Designated specially for line painting work to provide beautiful finishing in higher atomization and wider pattern width.



F110 Series (Small spray guns)

Model No.	Paint feed system	Nozzle bore mm(in)	Standard air cap	Spraying pressure MPa(PSI)	Spraying distance mm(in)	Air consumption L/min(cfm)	Paint spraying volume mL/min	Maximum effective pattern width mm(in)	Pattern shape	Required compressor output kW	Weight g (lbs)(oz)	Standard paint cup
F110-P08P	Pressure	0.8(0.031)	08P	0.25(36)	200(7.874)	220(7.8)	180	230(9.055)	Tulip	1.5 or more	293 (0.65) (10.3)	Paint pressure feed tanks, diaphragm paint pumps
F110-P10P		1.0(0.039)	10P			230(8.1)	245	240(9.449)				
F110-P13P		1.3(0.051)	13P			280(9.9)	310	270(10.630)				
F110-P15P		1.5(0.059)	15P			290(10.2)	330	275(10.827)				
F110-P0810PMAS		0.8(0.031)	10PMAS	0.4(58)	300(11.811)	340(12.0)	175	245(9.646)			301 (0.66) (10.6)	
F110-P10PMAS		1.0(0.039)	10PMAS			340(12.0)	230	260(10.236)				
F110-S10	Suction	1.0(0.039)	10	0.25(36)	200(7.874)	110(3.9)	90	130(5.118)	Triangle	0.4 or more	293 (0.65) (10.3)	7SB 10SB-2 7SLB 10SLB-2
F110-S13		1.3(0.051)	13			140(4.9)	130	160(6.230)		0.75 or more		
F110-S15		1.5(0.059)	15			160(5.6)	160	170(6.693)				
F110-S20		2.0(0.079)	20			175(6.2)	210	185(7.283)				
F110-S10T	Suction	1.0(0.039)	10T	0.2(29)	200(7.874)	170(6.0)	75*	160(6.230)*	Tulip	1.5 or more	293 (0.65) (10.3)	7SB 10SB-2 7SLB 10SLB-2
F110-S13T		1.3(0.051)	13T			200(7.1)	125*	180(7.087)*				
F110-S15T		1.5(0.059)	15T			215(7.6)	150*	185(7.283)*				
F110-S20T		2.0(0.079)	20T			225(7.9)	180*	210(8.268)*				
F110-S13ST	Suction	1.3(0.051)	13ST	0.25(36)	200(7.874)	215(7.6)	150	160(6.230)	Semi-Tulip	1.5 or more	293 (0.65) (10.3)	7SB, 10SB-2 7SLB, 10SLB-2
F110-S15ST		1.5(0.059)	15ST			225(7.9)	180	170(6.693)				
F110-G10	Gravity	1.0(0.039)	10	0.25(36)	200(7.874)	110(3.9)	95	140(5.512)	Triangle	0.4 or more	293 (0.65) (10.3)	1G-2U, 2GD, 4GD 4GF-U, 4GB-U 4GPA-U, 4G-TA
F110-G13		1.3(0.051)	13			140(4.9)	150	170(6.693)		0.75 or more		
F110-G15		1.5(0.059)	15			160(5.6)	180	180(7.087)				
F110-G20		2.0(0.079)	20			175(6.2)	260	195(7.677)				
F110-G10T	Gravity	1.0(0.039)	10T	0.2(29)	200(7.874)	170(6.0)	90*	180(7.087)*	Tulip	1.5 or more	293 (0.65) (10.3)	1G-2U, 2GD, 4GD 4GF-U, 4GB-U 4GPA-U, 4G-TA
F110-G13T		1.3(0.051)	13T			200(7.1)	160*	210(8.268)*				
F110-G15T		1.5(0.059)	15T			215(7.6)	180*	215(8.465)*				
F110-G20T		2.0(0.079)	20T			225(7.9)	235*	240(9.449)*				
F110-G13ST	Gravity	1.3(0.051)	13ST	0.25(36)	200(7.874)	215(7.6)	180	180(7.087)	Semi-Tulip	1.5 or more	293 (0.65) (10.3)	1G-2U, 2GD, 4GD 4GF-U, 4GB-U 4GPA-U, 4G-TA
F110-G15ST		1.5(0.059)	15ST			225(7.9)	205	190(7.480)				
F110-G08R	Gravity	0.8(0.031)	08R	0.25(36)	200(7.874)	75(2.6)	55	35(1.378)	Round	0.4 or more	293 (0.65) (10.3)	1G-2U, 2GD, 4GD 4GF-U, 4GB-U 4GPA-U, 4G-TA
F110-G25R		2.5(0.098)	25R			155(5.5)	320	50(1.969)		1.5 or more		

- Paint viscosity should be 20 seconds for lacquer enamel using a Meiji model V-1 viscosity cup.
- Feed pressure should be 0.08MPa(12PSI) for P types.
- The values marked with ⋆ should be obtained using automotive refinishing paint with a paint viscosity of 12 seconds and a Meiji model V-1 viscosity cup.
- Air and paint inlet : G1/4
- Left handed type is available in F110-G type. For more information, please contact your local distributor or us.

Air cap selection guide for F110 series

Air cap		10	13	15	20	13ST	15ST	10T	13T	15T	20T	08P	10P	13P	15P	08R	25R
Nozzle bore mm	0.8	○	○	○	○	○	○	○	○	○	○	—	○	○	○	—	○
	1.0	—	○	○	○	○	○	—	○	○	○	○	—	○	○	○	○
	1.3	×	—	○	○	—	○	×	—	○	○	×	×	—	○	×	○
	1.5	×	○	—	○	○	—	×	○	—	○	×	×	○	—	×	○
	2.0	×	○	○	—	○	○	×	○	○	—	×	×	○	○	×	○
	2.5	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	—

- Suction and gravity type are interchangeable for pressure type and vice versa.
- Spraying paint volume and air consumption are adjusted by changing air cap set and fluid nozzle.
- Mark ○ stands for interchangeable.

F110-P

F110-S
with 7SB paint cup

F110-G
with 4GD paint cup

F110-GR
with 4GD paint cup

F-ZERO-P
Special air cap Type P comes from automotive refinishing gun F-Zero in finer atomization system. Realizing ideal atomization and wider pattern in smaller air consumption.

F210-P

F210-S
with 10SC paint cup

*Paint cup should be ordered separately.

F-ZERO Series (Small spray guns)

Model No.	Paint feed system	Nozzle bore mm(in)	Standard air cap	Spraying pressure MPa(PSI)	Spraying distance mm(in)	Air consumption L/min(cfm)	Paint spraying volume mL/min	Maximum effective pattern width mm(in)	Pattern shape	Required compressor output kW	Weight g(lbs)(oz)	Standard paint cup
F-ZERO-P08	Pressure	0.8(0.031)	Type P	0.2(29)	200(7.874)	240(8.5)	160	220(8.661)	Tulip	1.5 or more	295 (0.65) (10.4)	Paint pressure feed tanks, diaphragm paint pumps
F-ZERO-P10		1.0(0.039)				240(8.5)	250	280(11.024)				
F-ZERO-P13		1.3(0.051)				230(8.1)	340	320(12.598)				

- Paint viscosity should be 20 seconds for lacquer enamel using a Meiji model V-1 viscosity cup.
- Feed pressure should be 0.08MPa(12PSI) for P types.
- Air and paint inlet : G1/4

F210 Series (Large spray guns)

Model No.	Paint feed system	Nozzle bore mm(in)	Standard air cap	Spraying pressure MPa(PSI)	Spraying distance mm(in)	Air consumption L/min(cfm)	Paint spraying volume mL/min	Maximum effective pattern width mm(in)	Pattern shape	Required compressor output kW	Weight g(lbs)(oz)	Standard paint cup
F210-P12P	Pressure	1.2(0.047)	12P	0.25(36)	250(9.843)	335(11.8)	530	350(13.780)	Tulip	2.2 or more	391 (0.86) (13.8)	Paint pressure feed tanks, diaphragm paint pumps
F210-P15P		1.5(0.059)	15P			345(12.2)	880	370(14.567)				
F210-P20P		2.0(0.079)	20P			375(13.2)	1,280	400(15.748)				
F210-P25P		2.5(0.098)	25P			410(14.5)	1,710	420(16.535)		3.7 or more		
F210B-P30P		3.0(0.118)	30P			420(14.8)	1,940	440(17.323)				
F210-S15	Suction	1.5(0.059)	15	0.25(36)	250(9.843)	170(6.0)	205	220(8.661)	Triangle	1.5 or more	391 (0.86) (13.8)	10SC 10SLB
F210-S20		2.0(0.079)	20			220(7.8)	285	280(11.024)		2.2 or more		
F210-S25		2.5(0.098)	25			275(9.7)	350	300(11.811)				
F210B-S30		3.0(0.118)	30			320(11.3)	360	300(11.811)		3.7 or more		
F210-S15T	Suction	1.5(0.059)	15T	0.25(36)	250(9.843)	250(8.8)	220	300(11.811)	Tulip	2.2 or more	391 (0.86) (13.8)	10SC 10SLB
F210-S20T		2.0(0.079)	20T			280(9.9)	265	310(12.205)				
F210-S25T		2.5(0.098)	25T			335(11.8)	325	320(12.598)		3.7 or more		

- Paint viscosity should be 20 seconds for lacquer enamel using a Meiji model V-1 viscosity cup.
- Feed pressure should be 0.08MPa(12PSI) for P types.
- The paint spraying volume and maximum effective pattern width indicated for T types should be determined using urethane-based automotive repair paint with a viscosity of 12 seconds and a Meiji model V-1 viscosity cup.
- Air inlet : G1/4, paint inlet : G3/8

Air cap selection guide for F210 series

Air cap		15	20	25	30	15T	20T	25T	12P	15P	20P	25P	30P
Nozzle bore mm	1.2	○	○	○	○	○	○	○	—	○	○	○	○
	1.5	—	○	○	○	—	○	○	○	—	○	○	○
	2.0	×	—	○	○	○	—	○	○	○	—	○	○
	2.5	×	○	—	○	×	○	—	×	×	○	—	○
	3.0	×	×	○	—	×	○	○	×	×	×	○	—

- Suction type in the same nozzle size are interchangeable for pressure type and vice versa.
- Spraying paint volume and air consumption are adjusted by changing air cap set and fluid nozzle.
- Mark ○ stands for interchangeable.

HAND SPRAY GUNS

F410 Series

High performance Well-balanced Beautiful finishing

Beautiful finishing in thin and uniform paint film with wider spraying pattern.

Reducing spray air pressure to 0.25MPa. (36PSI).

Well balanced body of weight only 415g (0.91lbs, 14.6oz).

Ergonomic curved grip.

Reduction of trigger load with lower resistance packing.

Beautiful gun body with chrome plating for long lasting and easy maintenance.

Wide range model which can satisfy any demands.

Stainless steel passage for waterborne compatibility.

CE and Atex certifications approved.

HVLP type also available from fluid nozzle orifice of 1.3-1.5mm(0.051-0.059in).

F410-G
with 6CP paint cup

*Paint cup should be ordered separately.

Model No.	Paint feed system	Nozzle bore mm(in)	Standard air cap	Spraying pressure MPa(PSI)	Spraying distance mm(in)	Air consumption L/min(cfm)	Air pressure inside air cap Mpa(PSI)	Paint spraying volume mL/min	Maximum effective pattern width mm(in)	Pattern shape	Connection inlet	Weight g (lbs)(oz)	Standard paint cup
F410-G10EV	Gravity	1.0(0.039)	10EV	0.25 (36)	250 (9.843)	270(9.5)	–	115	200(7.874)	Tulip	for air : G1/4 for paint : G3/8	415 (0.91)(14.6)	6CP
F410-G12EV		1.2(0.047)	12EV			270(9.5)		160	220(8.661)				
F410-G13EV		1.3(0.051)	13EV			280(9.9)		190	240(9.449)				
F410-G14EV		1.4(0.055)	14EV			290(10.2)		205	245(9.646)				
F410-G15EV		1.5(0.059)	15EV			300(10.6)		235	250(9.843)				
F410-G18EV		1.8(0.071)	18EV			325(11.5)		295	285(11.221)				
F410-G20EV		2.0(0.079)	20EV			340(12.0)		315	330(12.992)				
F410-G25EV		2.5(0.098)	25EV			390(13.8)		385	340(13.386)				
F410-G10EVW	Gravity	1.0(0.039)	10EVW	0.25 (36)	250 (9.843)	315(11.1)	–	115	250 (9.843)	Tulip	for air : G1/4 for paint : G3/8	415 (0.91)(14.6)	6CP
F410-G12EVW		1.2(0.047)	12EVW			315(11.1)		160	280(11.024)				
F410-G13EVW		1.3(0.051)	13EVW			325(11.5)		195	300(11.811)				
F410-G14EVW		1.4(0.055)	14EVW			325(11.5)		215	310(12.205)				
F410-G15EVW		1.5(0.059)	15EVW			325(11.5)		245	320(12.598)				
F410-G13SP	Gravity	1.3(0.051)	SP	0.2 (29)	200 (7.874)	295(10.4)	–	155	300(11.811)	Tulip	for air : G1/4 for paint : G3/8	415 (0.91)(14.6)	6CP
F410-G14SP		1.4(0.055)						175	310(12.205)				
F410-G13HVLP	Gravity	1.3(0.051)	HVLP	0.2 (29)	200 (7.874)	385(13.6)	0.07(10)	135	265(10.433)	Tulip	for air : G1/4 for paint : G3/8	415 (0.91)(14.6)	6CP
F410-G14HVLP	Gravity	1.4(0.055)						140	270(10.629)				
F410-G15HVLP		1.5(0.059)						145	275(10.827)				

● Paint viscosity should be 20 seconds for lacquer enamel using Meiji V-1 viscosity cup.

AUTOMOTIVE REFINISHING SPRAY GUNS

FINER Series

finer
Light weight and balanced concept Spray Gun

FINER Ⅱ PLUS

Fine atomization and flat surfaces

Evolution model of FINER Ⅱ.

It is possible to spray wide range between touch-up & block paint due to adjusting spraying pattern width. New design of air cap and fluid nozzle realizes higher atomization.

FINER Ⅱ PLUS
with 4GF-U paint cup

FINER SPOT

Ideal for touch-up in small area. Simple and compact body realizes light weight.

FINER SPOT-G12
with 1G-2U paint cup

*Paint cup should be ordered separately.

Model No.	Paint feed system	Nozzle bore mm(in)	Spraying pressure MPa(PSI)	Spraying distance mm(in)	Air consumption L/min(cfm)	Paint spraying volume mL/min	Maximum effective pattern width mm(in)	Pattern shape	Required compressor output kW	Weight g (lbs)(oz)	Standard paint cup
FINER Ⅱ PLUS	Gravity	1.4(0.055)	0.2(29)	200(7.874)	220(7.8)	140	300(11.811)	Tulip	1.5 or more	295 (0.65)(10.4)	1G-2U, 2GD 4GD, 4GF-U, 4GB-U 4GPA-U, 4G-TA
FINER SPOT-G12		1.2(0.047)	0.15(22)	150(5.906)	80(2.8)	75	190(7.480)	Tulip	0.75 or more	167 (0.37)(5.9)	

● Paint viscosity should be 12 seconds for high solid 1k base using Meiji model V-1 viscosity cup. ● Air and paint inlet : G1/4.
● Left handed type is available in FINER Ⅱ PLUS. For more information, please contact your local distributor or us.