



Pump filter (H)

Error codes (B)

Power switch (C)

Pressure control knob (D)

Spray/prime valve (E)



Spray tip (F)

Gun filter (G)

Hose (A)

Suction tube connection (I)

Suction tube (J)

Inlet strainer (K)

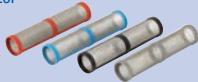
General Inspection

- Use the appropriate size filters for the material sprayed
- Check all hoses for internal build-up, cracks, kinks, holes, blisters, abrasions and exterior damage to hose cover
- Check all gun components for cracks or leaks and ensure that they are properly attached
- Give your sprayer an annual general service check at an Graco Authorized Service Distributor

Quick Reference Guide Pump & Gun Filters

Pump

FinishPro™ 390/395, ST™, STX™,
ST Max™, FieldLazer™

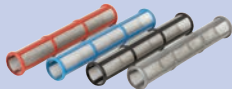


Filter

30 mesh (grey)	246425
60 mesh (black)	246384
100 mesh (blue)	246382
200 mesh (red)	246383

Part Number

Ultra® Max, GMax™,
EH/GH, Mark V™, Mark X™
HydraMax™



30 mesh (grey)	244071
60 mesh (black)	244067
100 mesh (blue)	244068
200 mesh (red)	244069

190ES™, ST™ PRO

60 mesh (black)	243080
100 mesh (blue)	243081
200 mesh (red)	243226



Gun

Contractor™ II
FTx-E™ II



Filter

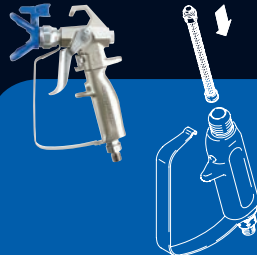
60 mesh (black)	287032
100 mesh (blue)	287033

Part Number

Contractor™
FTx-E™



50 mesh (blue)	218131
100 mesh (red)	218133



Symptom	What to check	What to do
Motor does not run	Power switch	Put power switch “ON” (C)
	Pressure setting	Turn pressure Control knob clockwise to increase pressure. (D)
	Electricity supply	Check electricity plug Check electric cord & extension cord for damages
Pump does not cycle	Error codes on the display (B)	Contact a Graco Authorised Service Distributor
Pump does not prime	Spray/prime valve (black valve) is in SPRAY position (pointing to the hose)	Turn Spray/prime valve (black valve) to PRIME position (pointing down)(E)
	Air in paint pump	Open prime valve to purge air from paint pump (E)
	Clogged inlet strainer	Clean inlet strainer (K)
	Loose suction tube	Tighten suction tube (I)
	Lower ball stuck on seat	Take a small hammer and hit moderately the connection of the suction tube (I). After a few seconds the ball should loosen and the pump starts working. If not, clean lower ball and seat.
	Lower ball not sealing on down stroke	Check the following - dirty , worn or scarred lower ball and seat (J) - inlet strainer not being used (K)
	Paint leaks down outside of pump	Packings need to be changed (I) Contact a Graco Authorised Service Distributor

Quick Reference Guide Tips & Guards

RAC X™



246215 (7/8")
246437 (11/16")



FFAxxx
Dyes to lacquers,
varnish & enamels

OR



PAAxxx
Lacquers to latex
& emulsions

OR



HDAxxx
Latex to texture
materials

OR



WAXxxx (60 cm fan)
Latex to elastomerics
& mastics

RAC 5™



243161 (7/8")
243263 (11/16")



262xxx
Lacquers to latex
& emulsions

OR



LL5xxx
Striping paint

Flat Tip



220251 (7/8")
220255 (11/16")



269xxx - 163xxx (odd)
Lacquers to latex
& emulsions

FF Flat Tip



220247 (7/8")
220249 (11/16")



163xxx (even)
Lacquers, varnishes, urethanes
& other fine finish materials

Symptom	What to check	What to do
Sprayer doesn't have enough pressure at the gun or pressure drops off	Paint pail is empty	Refill paint pail. Reprime sprayer
	Spray tip is clogged	Unclog spray tip. (F) a. Point arrow shaped handle to UNCLOG position (backward). b. Aim gun at piece of scrap or cardboard. Pull trigger to clear clog. Reposition tip forward.
	Spray tip is worn	Replace spray tip (F)
	Filters are clogged	Clean or replace filters (G) + (H) + (K)
	Material too thick or not strained properly	Thin, mix and strain material Operate without filter
	Wrong size filter mesh	Switch to larger mesh filters (larger in size, less in number) (G) + (H)
	Hose too long and/or wrong size diameter	Check sprayer manual for correct size hose (H)
	Pump check valves are dirty or damaged	Contact a Graco Authorised Service Distributor
	Spray/Prime valve (E) is worn or obstructed with debris	Contact a Graco Authorised Service Distributor

Recommended Tips & Filters



	Ink	Varnish	Lacquers	Stains	Urethanes - Acrylics	Acrylics - Emulsions	Emulsions	Emulsions	Block filler	Intumescent	Texture material for spray applications										NEW 1 st digit X5 =fan width*	WORN Time to change!
		110	112	114	115		119	121													5 cm	3 cm
	208	210	212	214	215	217	219	221	223	225					235						10 cm	7 cm
	308	310	312	314	315	317	319	321	323	325	327		331								15 cm	10 cm
		410	412	414	415	417	419	421	423	425	427	429		433	435	439	443		451	455	20 cm	15 cm
		510	512	514	515	517	519	521	523	525	527	529	531	533	535		543		551	555	25 cm	20 cm
		610	612	614	615	617	619	621	623	625	627	629	631	633	635			645		655	30 cm	25 cm
								721	723	725		729			735						35 cm	30 cm
					815	817	819	821			827		831	833	835						40 cm	35 cm
						917									935						45 cm	40 cm
pump filter	200 mesh		100 mesh		60 mesh			30 mesh			none											
gun filter	100 mesh		100 mesh		60 mesh			none														

* at 30 cm spraying distance

Symptom	What to check	What to do
Bad quality spray pattern	Pressure is set too low	Turn pressure control knob clockwise to increase pressure (D)
	Spray tip is clogged	Unclog spray tip. (F) a.) Point arrow shaped handle to UNCLOG position (backward). b.) Aim gun at piece of scrap or cardboard. Pull trigger to clear clog. Reposition tip forward.
	Spray tip is too large or worn	Replace tip (F)
	Pump and/or gun filter is clogged	Clean or replace filter (G) + (H)
	Coat is too thick	Move gun faster Make sure gun is far enough from surface Choose a tip with smaller hole size Choose tip with wider fan
	Coat is too thin	Move gun slower Make sure gun is close enough to surface Choose tip with large hole size Choose tip with narrower fan
	Varying pattern while spraying	Pressure control is worn (D) Contact a Graco Authorised Service Distributor



TIP:

“How to avoid premature wear of packings & valves:”

- Always leave Pump Armor™ in the unit for storage
- Clean inlet strainer regularly
- Prime sprayer with prime valve
- Relieve pressure at gun
- Clean the unit regularly
- Keep lubricated with TSL

