



DUX Pressure Feed Gun

INSPIRED BY FORMULA THREE RACE CAR ENGINES.

After more than 5 years of research and development, DUX has reinvented the spray gun from the inside out. By incorporating our patented airflow technology, originally used in Formula Three race car engines, we've developed the most innovative breakthrough in spray gun technology in nearly 80 years.

For the first time, operators can spray nearly any type of fluid, onto nearly any surface with a single gun – while reducing coatings usage and improving finish quality.

IT PRACTICALLY PAYS FOR ITSELF AFTER JUST ONE JOB.

With transfer efficiency improvements of at least 15-40% over HVLP and other leading spray technologies, the DUX Pressure Feed spray gun simply saves you money. In fact, the coatings savings are so significant the gun often pays for itself in the first month of use. The spray gun uses DUX's patented airflow technology to reduce booth fog and blowback from the target – the two leading causes of coating waste. When more material reaches the target, less is released into the air and trapped in booth air filters and on disposable masking materials. In turn, this reduces your consumables costs and hazardous waste disposal fees. In fact, the DUX gun's precision application reduces the need for masking in the first place, substantially decreasing preparation labor costs.

What's more, DUX's superior atomization technology enhances finish quality, thereby increasing your competitive advantage – while delivering a better product for your customers.

TECHNOLOGY THAT'S EASY TO USE AND EASY ON US.

Most pressure feed spray guns incorporate a front-heavy body design with fluid hose connections near the tip of the gun. Over the course of a long work day, the extra weight causes arm fatigue and uneven spray patterns that impact finish quality. The DUX gun, however, is designed with much shorter air passages, an upright handle, and fluid and air connections located at the base of the gun. This creates a lighter, more compact and balanced gun that's easier to maneuver in small spaces.

As previously mentioned, lower operating pressures result in massive reductions in unhealthy paint booth fog and overspray. This drastically improves the work environment by eliminating paint build up on operators' skin and clothing, and floors are no longer coated with a slippery film of wasted material. The way we see it, clearer air isn't just a regulatory mandate, it's the responsible thing to do for your employees and our environment.

IMMEDIATE ROI

- > Reduced coating usage
- > Decreased cleanup costs
- > Faster production times
- > Energy savings

EASY TO USE

- > Ergonomic design
- > Lightweight and balanced
- > Reduced booth fog and overspray

AIR QUALITY COMPLIANCE

- > Drastic reductions in VOC emissions
- > Reduced HazMat clean-up & disposal
- > AQMD compliant by definition

ADVANCED TECHNOLOGY

- > Laminar airflow
- > Low pressure with high velocity
- > Exceptional atomization
- > Outstanding utility across coatings and applications

THE DESIGN ISN'T IT'S ONLY STUNNING FEATURE.

See for yourself. Compare the DUX spray gun to any other spray equipment on the market. You'll find that most competing technologies incorporate angular twists and turns within the air passage, along with long travel distance between the air inlet and air cap. As a result, longer distances and more restrictive air passages create friction and severe air turbulence. Bottom line — it's hard to control and shape air at the air cap when it's out of control inside the gun.

With the DUX spray gun, you'll never have that problem. It is designed with smooth sweeping air passages, fewer obstructions, and shorter distance between the inlet and air cap. The result is minimal air pressure loss through the spray gun and extremely organized and controllable airflow.

ORDERING INFORMATION

Selection of the proper fluid tip and air cap for your particular application depends on many factors. Please contact your DUX Distributor or DUX Customer Service for recommended configurations and set-up parameters.

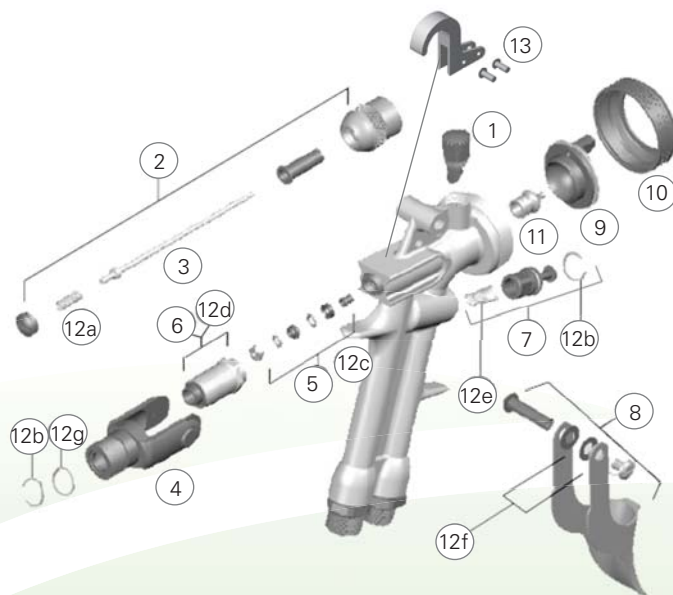
DUX PRESSURE FEED SPECIFICATIONS

| | |
|---|---|
| BODY MATERIAL | Investment Cast Aluminum |
| FLUID PASSAGE MATERIAL | Stainless Steel |
| AIR CAP MATERIAL | Anodized Aluminum |
| WEIGHT | 14.1 oz. |
| MAXIMUM ATOMIZING AIR INLET PRESSURE* | AO Air Cap: 10.5 psig A1 Air Cap: 10.7 psig A2 Air Cap: 11.0 psig |
| MAXIMUM FLUID INLET PRESSURE | 75 psig |
| AIR INLET | 1/4" NPS Male |
| FLUID INLET | 3/8" NPS Male |
| TRIGGER PRESSURE | 39.8 oz. |
| AIR CONSUMPTION (at 10 psi) | AO Air Cap: 8.9 scfm A1 Air Cap: 10.2 scfm A2 Air Cap: 11.0 scfm |
| MAX. USABLE FAN PATTERN (at 9" from target) | 14-16" |

* Maximum inlet pressure to maintain HVLP compliance (10 psi or less at the air cap)

| AIR CAPS | FLUID TIP SIZE | | | | | | | | |
|------------------------------|----------------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0.6mm | 0.8mm | 1.0mm | 1.2mm | 1.4mm | 1.6mm | 1.8mm | 2.0mm | 2.2mm |
| GENERAL PURPOSE (A1) AIR CAP | P1100-06 | P1100-08 | P1100-10 | P1100-12 | P1100-14 | P1100-16 | P1100-18 | P1100-20 | P1100-22 |
| LOW SOLIDS (A0) AIR CAP | P1000-06 | P1000-08 | P1000-10 | P1000-12 | P1000-14 | P1000-16 | P1000-18 | P1000-20 | P1000-22 |
| HIGH SOLIDS (A2) AIR CAP | P1200-06 | P1200-08 | P1200-10 | P1200-12 | P1200-14 | P1200-16 | P1200-18 | P1200-20 | P1200-22 |

DUX Pressure Feed Spray Gun



| No. | Part | Description | No. | Part | Description |
|-----|--------|--|--------------------|--------|-------------------------------|
| 1. | 310110 | Fan Control Assembly | 12. | 310171 | Wearable Parts Kit |
| 2. | 310116 | Fluid Control Assembly | | | Includes: |
| 3. | 310118 | Standard Fluid Needle | 12a. | | (1) Needle Spring |
| 4. | 310125 | Yoke | 12b. | | (1) Trigger Air Valve C-Clip |
| 5. | 310128 | Fluid Packing Kit | 12c. | | (1) Needle Packing Kit |
| 6. | 310126 | Yoke Spring Assembly | 12d. | | (1) Yoke Spring Assembly |
| 7. | 310159 | Air Valve Trigger Kit | 12e. | | (1) Trigger Spring |
| 8. | 310131 | Trigger Kit | 12f. | | (2) Washers |
| 9. | 310150 | A1 Air Cap General Purpose (Aluminum) | 12g. | | (1) Fluid Control O-ring |
| | 310151 | A1 Air Cap General Purpose (Stainless Steel) | | 310160 | Fluid Control O-ring 5-Pack |
| | 310149 | A0 Air Cap Low Solids (Aluminum) | 13. | 310239 | Hook Kit |
| | 310227 | A2 Air Cap High Solids (Aluminum) | Accessories | | |
| | 310230 | A1T Air Cap Tester | 310193 | | Air/Fluid Hose |
| | 310233 | AOT Air Cap Tester | 310207 | | 6" Fluid Hose Extension 3/8" |
| | 310232 | A2T Air Cap Tester | 310208 | | 6" Air Hose Extension 1/4" |
| 10. | 310156 | Air Cap Ring | 310225 | | 12" Fluid Hose Extension 3/8" |
| 11. | 310237 | Fluid Tip 0.4mm | 310226 | | 12" Air Hose Extension 1/4" |
| | 310250 | Fluid Tip 0.6mm | 310228 | | 18" Fluid Hose Extension 3/8" |
| | 310251 | Fluid Tip 0.8mm | 310229 | | 18" Air Hose Extension 1/4" |
| | 310252 | Fluid Tip 1.0mm | 310174 | | DUX 10mm Fluid Tip Driver |
| | 310253 | Fluid Tip 1.2mm | 310205 | | Spray Gun Lube (8 oz) |
| | 310254 | Fluid Tip 1.4mm | 310206 | | Spray Gun Lube (2 oz) |
| | 310255 | Fluid Tip 1.6mm | 310173 | | DUX Packing Tool |
| | 310256 | Fluid Tip 1.8mm | 310309 | | DUX Multi-Tool Wrench |
| | 310257 | Fluid Tip 2.0mm | 310187 | | 2 Quart Pressure Pot |
| | 310258 | Fluid Tip 2.2mm | 310184 | | 2.5 Gallon Pressure Pot |
| | | | 310177 | | 5 Gallon Pressure Pot |
| | | | 310175 | | Exterior Cleaning Brush |
| | | | 310176 | | Fluid Tube Cleaning Brush |



advanced research environmental atomization

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