

# Panther

## PRODUCT INFORMATION



### CORROSION CONTROL

P100H

P200C

### GLUE

P100G

### ZINC

P200Z

### AIR CAP AND FLUID NOZZLE CHART

| PANTHER<br>model no. | AIR CAP              | AIR CAP<br>RING | FAN<br>CONTROL | FLUID NOZZLE TIP | NEEDLE  |
|----------------------|----------------------|-----------------|----------------|------------------|---------|
| P100H                | 21-1095T             | 21-1001         | 60-1502        | 31-0214 1.4mm    | 40-1100 |
|                      |                      |                 |                | 31-0215 1.5mm    |         |
|                      |                      |                 |                | 31-0216 1.6mm    |         |
|                      |                      |                 |                | 31-0217 1.7mm    |         |
| P100G                | 21-2266T             | INCLUDED        | 60-1500        | 31-0618 1.8mm    | 40-1115 |
| P200C                | 22-2064T<br>22-2062T | INCLUDED        | 60-1500        | 32-0618 1.8mm    | 40-1218 |
|                      |                      |                 |                | 32-0622 2.2mm    | 40-1222 |
|                      |                      |                 |                | 32-0628 2.8mm    | 40-1228 |
| P200Z                | 22-2064T<br>22-2062T | INCLUDED        | 60-1500        | 32-2118Z 1.8mm   | 40-1218 |
|                      |                      |                 |                | 32-2122Z 2.2mm   | 40-1222 |
|                      |                      |                 |                | 32-2128 Z 2.8mm  | 40-1228 |

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# Operation and Maintenance Instructions for Panther Spray Guns

## Operation

1. Connect air supply hose at handle of gun.
2. Connect a pressurized fluid supply or paint siphon cup to the gun fluid inlet.
3. Fluid flow can be controlled using the fluid control knob, this restricts flow by limiting needle travel. It is best to control fluid flow by proper selection of fluid orifice size and use the fluid control knob to “fine tune flow rate.”

## Maintenance

IMPORTANT! Routine cleaning and maintenance is essential to insure proper gun operation.

Several states prohibit spraying solvent into the atmosphere and require the use of a covered gun cleaner.

1. If a gun cleaner is being used, connect and clean the gun in the gun cleaner according to the manufacturer's instructions.
2. If a gun cleaner is not being used:
  - For pressure set-ups, remove air cap and clean separately using clean solvent. Connect a pressurized solvent supply to the fluid inlet, trigger the gun allowing solvent to flow through the gun until clean.
  - For siphon set-ups, first clean the siphon cup thoroughly then spray clean solvent through the gun until clean.

**NOTE: Gun head disassembly is not recommended for normal cleaning and maintenance.**

## Gun head disassembly and reassembly instructions

### Gun head disassembly

To remove the nozzle carrier (6) and air cap adapter (7):

1. Remove the air cap (2), fluid nozzle tip (3), fluid nozzle body (4), and needle (14).
2. Remove the needle seal cartridge (24).
3. Loosen the locknut (10) and remove fluid inlet (11) using a 5/8" open-end wrench.
4. The nozzle carrier and air cap adapter will now slide forward from the gun handle (12).

### Gun head reassembly

1. Install a new o-ring (8) on the air cap adapter.
2. Install the thread locknut (10) onto the fluid inlet as far as possible.
3. Slide the nozzle carrier (6) into air cap adapter (7) and insert into the gun body as far as possible. Be sure the nozzle carrier extends into the hole at the back of the gun head. Install the needle seal (24) but do not tighten.
4. Rotate the nozzle carrier until the fluid inlet port in the nozzle carrier is aligned with the threaded hole in the gun body. While in this position, insert the fluid inlet (11) and tighten firmly.
5. Tighten the needle seal (24) to approx. 12 ft-lb. torque.
6. Tighten the fluid inlet (11) to approx. 25 ft-lb. torque.
7. Tighten the locknut (10) to approx. 33 ft-lb. torque.

| 10-110 ITEM NUMBER | PART NUMBER                   | DESCRIPTION                   | Panther Model no. | ITEM 4  | ITEM 5    | ITEM 6  | ITEM 7 | ITEM 24   | REPAIR KIT |
|--------------------|-------------------------------|-------------------------------|-------------------|---------|-----------|---------|--------|-----------|------------|
| 1                  | See AIR CAP CHART             | Air Cap Ring                  | <b>P100H</b>      | 31-1201 | NOT USED  | 60-L11H | 60-12H | 60-1400*  | 10-110     |
| 2                  | See AIR CAP CHART             | Air Cap                       | <b>P100G</b>      | 31-2201 | 61-1005*  | 60-L11C | 60-12C | 60-1400*  | 10-110     |
| 3                  | See AIR CAP CHART             | Fluid Nozzle Tip              | <b>P200</b>       | 32-2202 | 998-8020* | 60-L21C | 60-22  | 60-1400*  | 10-110     |
| 4                  | See <b>Panther</b> Model no.  | Fluid Nozzle Body             | <b>P200Z</b>      | 32-2201 | 998-8020* | 60-L21C | 60-22  | 60-1402** | 10-108     |
| 5                  | .See <b>Panther</b> Model no. | Gasket*                       |                   |         |           |         |        |           |            |
| 6                  | See <b>Panther</b> Model no.  | Nozzle Carrier                |                   |         |           |         |        |           |            |
| 7                  | See <b>Panther</b> Model no.  | Air Cap Adapter               |                   |         |           |         |        |           |            |
| 8                  | See KIT NO. 10-108 & 10-110   | O-Ring                        |                   |         |           |         |        |           |            |
| 10                 | 60-128                        | Locknut                       |                   |         |           |         |        |           |            |
| 11                 | 60-126                        | Fluid Inlet Fitting           |                   |         |           |         |        |           |            |
| 12                 | 60-1116                       | <b>Panther</b> Gun body HVLP  |                   |         |           |         |        |           |            |
|                    | 60-1125                       | <b>Panther</b> Gun body CONV. |                   |         |           |         |        |           |            |
| 13                 | See Air Cap Chart             | Fan Control Assembly          |                   |         |           |         |        |           |            |
| 14                 | See Air Cap Chart             | Fluid Needle                  |                   |         |           |         |        |           |            |
| 15                 | 60-202                        | Fluid Control Knob            |                   |         |           |         |        |           |            |
| 16                 | See KIT NO. 10-108 & 10-110   | Spring Seat                   |                   |         |           |         |        |           |            |
| 17                 | See KIT NO. 10-108 & 10-110   | Needle Return Spring          |                   |         |           |         |        |           |            |
| 18                 | 60-201                        | Rear Bushing                  |                   |         |           |         |        |           |            |
| 19                 | See KIT NO. 10-108 & 10-110   | Seal                          |                   |         |           |         |        |           |            |
| 20                 | 60-1520                       | Air Valve Assembly            |                   |         |           |         |        |           |            |
| 21                 | 60-302**                      | Air Valve Poppet              |                   |         |           |         |        |           |            |
| 22                 | See KIT NO. 10-108 & 10-110   | Seal                          |                   |         |           |         |        |           |            |
| 23                 | See KIT NO. 10-108 & 10-110   | Air Valve Spring              |                   |         |           |         |        |           |            |
| 24                 | See <b>Panther</b> Model no.  | Needle Seal Cartridge         |                   |         |           |         |        |           |            |
| 25                 | 60-2101                       | Trigger                       |                   |         |           |         |        |           |            |
| 26                 | 60-1510                       | Air Control                   |                   |         |           |         |        |           |            |
| 26A                | 60-122                        | Plug (optional)               |                   |         |           |         |        |           |            |
| 27                 | 60-104                        | Air Inlet Fitting             |                   |         |           |         |        |           |            |
| 28                 | 60-1033                       | Trigger Pivot Set             |                   |         |           |         |        |           |            |
| 29                 | 98-109                        | Allen Plug                    |                   |         |           |         |        |           |            |

\*\*Leather packing p/n 60-403

\* Included in KIT NO. 10-108 & 10-110

\*\* Included with Air Valve Assembly 60-1520

