

**The CoverCat 452F & 352F Systems are Mobile, Heated Airless Spray Systems for the application of Intumescent Fireproofing Epoxies.**

The units are versatile and have the similar capacity to the previous CoverCat 451 & 351 units. These new units are mounted on a compact 4wheel cart which enables the unit to be mobile and used for small and full scale work.

**Eex** versions of these units are available which brings advantage of safe use in hazardous areas.



- PFP Intumescent Applications
- Offshore Oil & Gas
- Petrochemical
- Heavy fabrication & Construction
- Tank Coating
- Portable System
- Removable Feed Pumps
- Remote Mix Manifold
- Heating Option Upgrades
- Material Tank Options
- Heavy Duty Cart with Forklift Slots
- Lift Frame Options
- EEX Hazardous Area Options

### **CoverCat PFP Plural Component Airless Spray System**

The CoverCat PFP System Range is specifically designed for the solvent free application of Plural Component Intumescent epoxy materials.

Component materials are fed into the system by ram mounted supply pumps from 20litre (5gallon) pails. Integral heating equipment is used to precondition materials within the system prior to use.

Temperature control allows improved application and minimised waste.

Included within the system are agitated material holding tanks and hot water circulation and flush tanks.

A central electrical control panel is included on the CoverCat 452F System.

Standard equipment is mounted on a Heavy Duty 4 wheel cart with steering , pull bar and fork lift slot access. The Equipment is also available on skid frames.

Material hose assemblies allow connection of mixing manifold and spray gun.

The Systems can be configured to spray a wide range of materials of differing mix ratios and viscosities, these alterations are easily made and will slightly alter the delivery and pressure rates.



## Typical 452F System



### Standard CoverCat 452F Includes:

CoverCat 450 Metering Pump.  
 Ram Inductor Supply Pumps mounted to Machine Cart.  
 Component Material Storage Tanks, complete with Agitators and Safety Valves.  
 Automatic Tank Level Control System.  
 High Pressure Fluid Gauges and Safety Relief Valves.  
 High Pressure Fluid Heaters with Thermostat and Thermometer.  
 Flush Pump mounted to Heated Stainless Steel Water Tank.  
 Hot Water Circulation Pumps.  
 Control Panel c/w Emergency Stop and Reset Function Switch.  
 High Pressure Safety Shutdown System with Fluid Pressure Switches for Pressure Based Metering and Control System.  
 Electrical Control Panel complete with Isolator.  
 Hose Bundle Assemblies.  
 Remote Mix Manifold Assembly in Steel Cage.  
 Stainless Steel Reusable Static Mixers.  
 Spray Gun complete with Whip Hose, Swivel and Tip.  
 Compressed Air Installation Kit.  
 Basic Operators Tool Kit.  
 Technical Operators and Maintenance Manual.

## Typical 352F System



### Standard CoverCat 352F Includes:

Items as per CoverCat 452F as above, with the exception of:  
 Separate Cart Mounted Feed Pumps.  
 Lift Frame Optional Extra Item.  
 Electrical Control Panel Optional Extra Item.  
 352 Series Cart.



Typical Hose Bundle Assembly



## System Requirements, Sizes & Weights

Model	Metering Pump	Typical Pressure Ratio & Mix Ratio	Feed Pumps	Tanks	Fluid Heaters	Remote Mixing
452F	450	51:1 @ 2.33:1	34:1	1x 40Litre 1x 60Litre	3x3Kw	2x15m Bundle
352F	350	52:1 @ 2.33:1	34:1	2x 40Litre	3x3Kw	15m Bundle

Model	Approx. Size	Approx. Weight	Electrical Requirements	Compressed Air
452F	2300mm (90") x 1100mm (42") x 1850mm (72") high	1,500kg (3750lbs)	1x 380/440 3phase N + E, 32amp (5 wire, TN-S) 50/60Hz	300cfm (7.5m³/min) @ 110psi (7.7kg/cm²) minimum
352F	Machine: 1700mm (67") x 830mm (33") x 1800mm (71") high Feed Pumps: 1550mm (61") x 1250mm (49") x 1300mm (51") high	950Kg (2375lbs) 550Kg (1375lbs)	5x 230v, 1Phase + N + E 16A, 50/60Hz	250cfm (6.28m³/min) @ 110psi (7.7kg/cm²) minimum

## Typical Schematic (352F)

### A Component

A1 60 Litre Pressure Tank  
A2 Gear Motor, 2hp  
A3 Water Heating Jacket  
A4 Temperature Gauge  
A5 Component A Metering Pumps  
A6 High Pressure Gauges  
A7 Over Pressure Relief Valves  
A8 High Pressure 3.2kW Heaters  
A9 Return Ball Valves

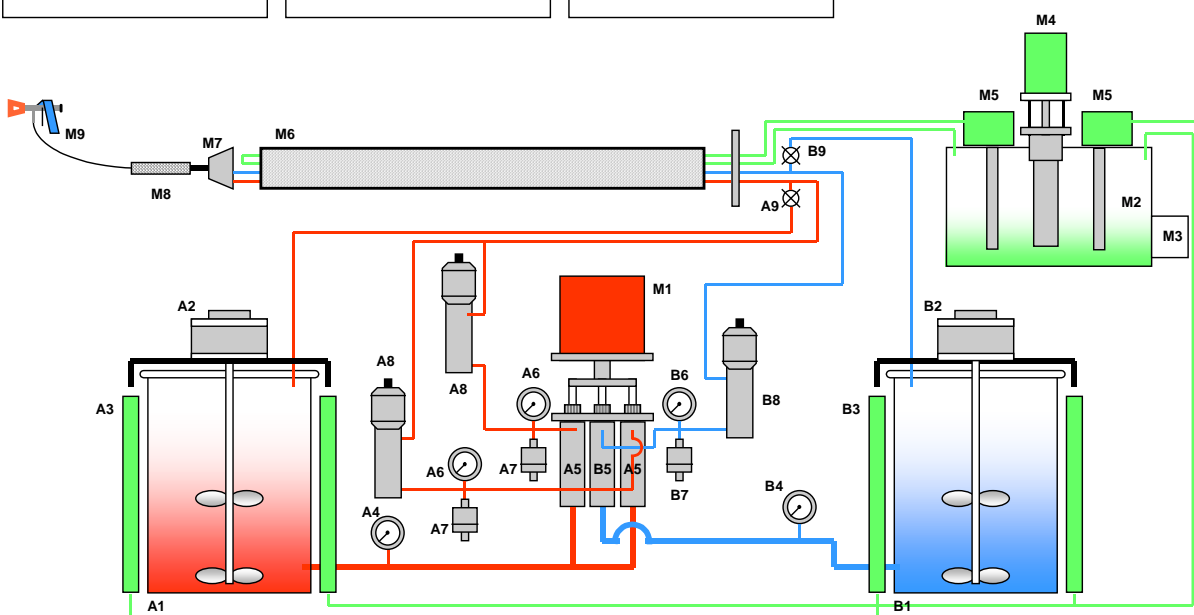
### B Component

B1 45 Litre Pressure Tank  
B2 Gear Motor, 2hp  
B3 Water Heating Jacket  
B4 Temperature Gauge  
B5 Component B Metering Pumps  
B6 High Pressure Gauges  
B7 Over Pressure Relief Valves  
B8 High Pressure 3.2kW Heater  
B9 Return Ball Valves

### Metering System

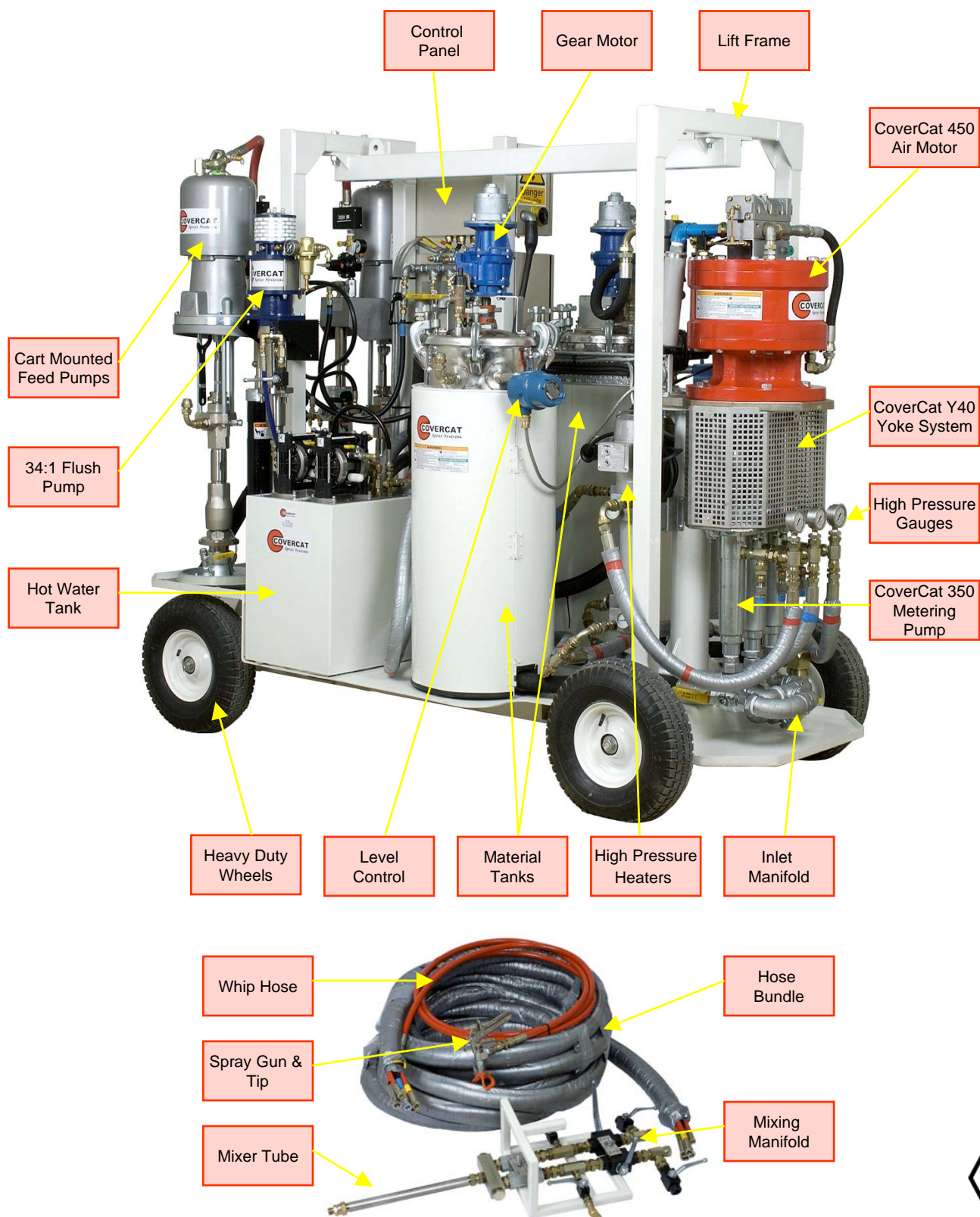
M1 CoverCat Metering Pump  
M2 Hot Water / Flush Tank  
M3 Eex 3kW Immersion Heater  
M4 Circulation Pump  
M5 Flush Pump  
M6 Hose Bundle  
M7 Mix Block Head  
M8 Static Mixer Tube  
M9 Spray Gun

### CoverCat 352PFP Spray System

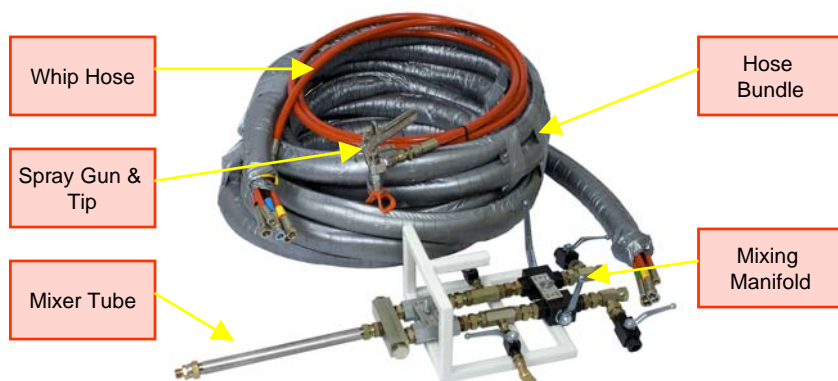
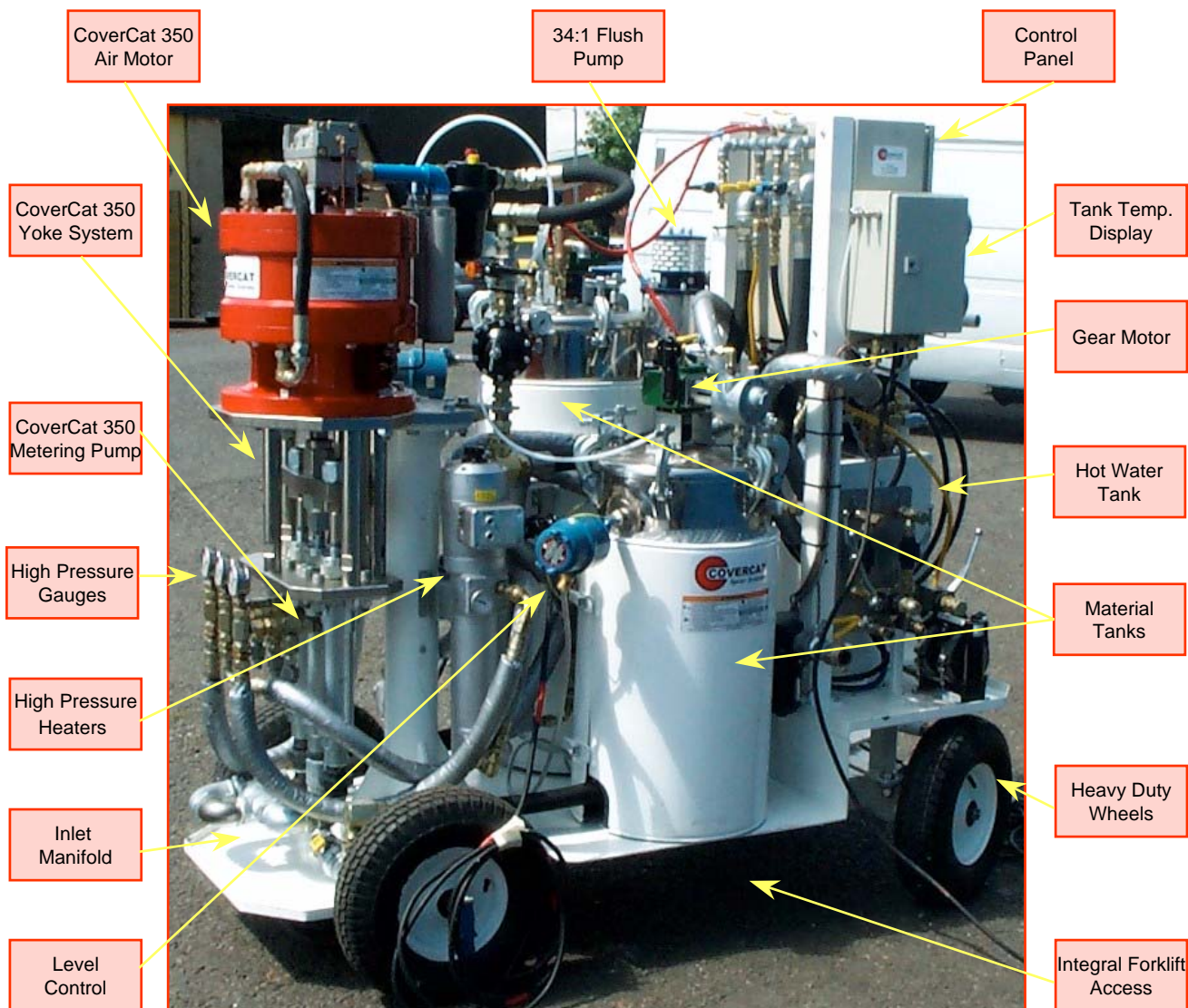




## CoverCat PFP Equipment Range



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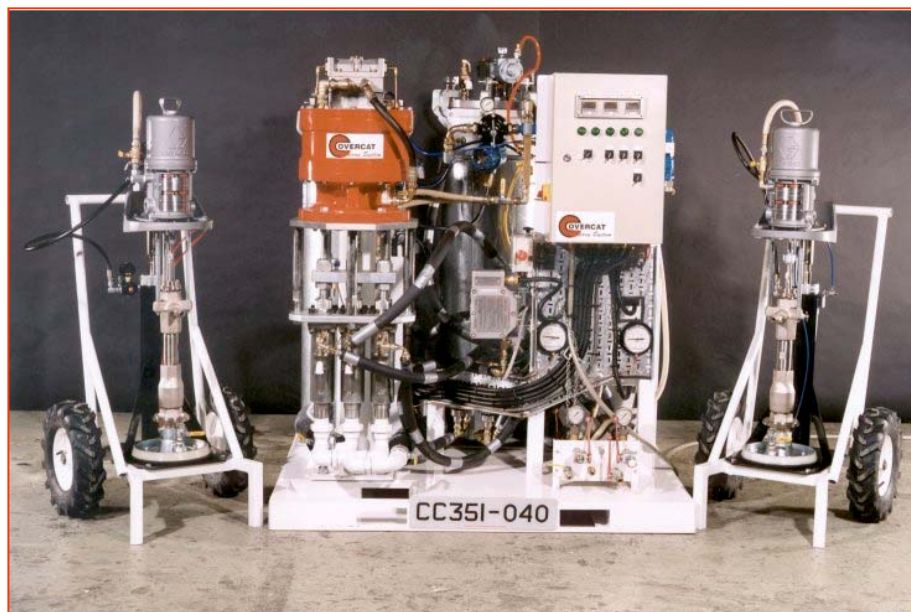




## CoverCat PFP Equipment Range

The **CoverCat 351/451** has proven to our strongest selling System in the fireproofing range up to year 2001.

It has become the industry standard for application of PFP materials, and is recommended as preferred equipment by many contractors and paint companies worldwide.



**Typical CoverCat 351 System**

The **CoverCat 351 / 451** Systems are skid mounted and most commonly used in fixed installations on high volume application.

These units would typically be housed in a heated workshop container combining equipment and material storage facilities.

Separate cart mounted feed pumps enable easy removal for cleaning.



**Typical CoverCat 451 System**

These systems include high level electronic control of material temperature and operating conditions.

The system incorporates a high pressure safety mechanism, which will shutdown the pump if over pressure occurs.

Emergency stop functions are also incorporated into this system.



**Typical Rear View of 451/351**



## CoverCat Mixer Ram Unit

**Easy to  
manoeuvre**

**Completely air  
powered**

**Increased safety  
- No hand held  
devices**



**Manufactured for  
use with heavy  
duty coatings**

**Avoids handling  
& manual mixing**

**Improves mix quality**

### Pneumatic Mixer on Ram

The Mixer is driven by 40:1 Air Powered Gear Motor. Output 5HP (3.7kw), 160rpm.

- Components are mixed in supply pails by a 3-paddle mixer blade.
- The pail is held in position by a hinged clamp piece.
- The mixer is raised and lowered by an air powered hydraulic lift pump with control valve for speed and direction.
- The unit is mounted on a 2-wheel cart.

### Supplies

Mixer : Air Supplies  
110psi @ 60cfm

Weight  
55kg (125pounds)

Dimensions  
0.82 x 0.82 x 1.36m  
(2'6" x 2'6" x 4'5")

