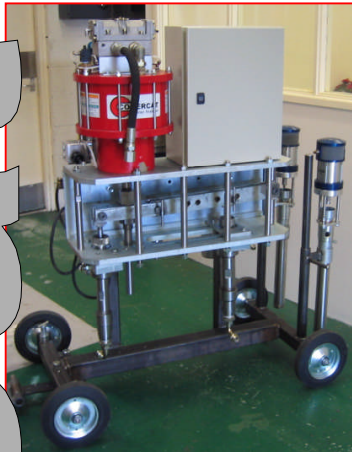


**CoverCat 306VR Variable Ratio
Spray Equipment**

covercat

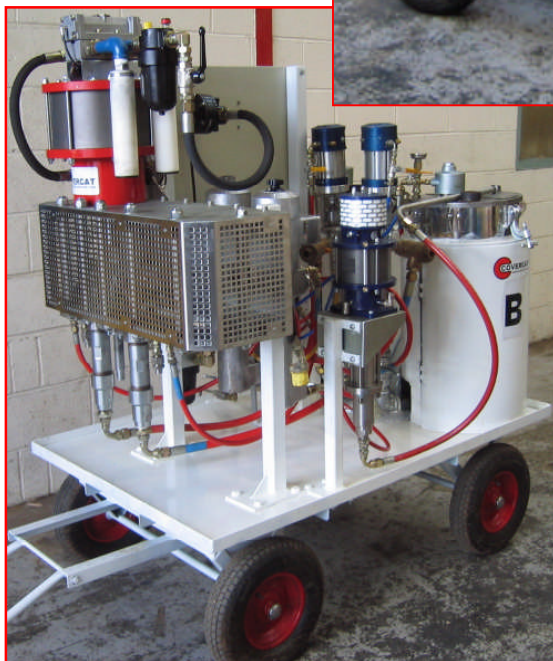
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Typical CoverCat 306VR-B



Typical CoverCat 306VR-T



Typical CoverCat 306VR-C

Model Range

- 306VR-C** Bare Metering Pump Unit on Frame.
- 306VR-B** Basic System on Cart – No Heating.
- 306VR-E** Cart Mounted System with Heating.
- 306VR-T** Cart Mounted System with Heating and Material Tanks.

The CoverCat 306VR is a unique system designed to provide the user with a simple Fixed Ratio Metering Pump with an Adjustable Ratio Facility.

Typical CoverCat 306VR-T



During use the Ratio is fixed in a pin located position and cannot be moved or loosened without tools.

The ratio may be adjusted when the pump is not in use by releasing a clamp and moving the B component pump cylinder to the desired position where it is tightened and the ratio control arm is pinned to position

The ratio has then been changed and the pump will provide the designated fixed ratio according to the chart below.

As with all Plural Component Systems a ratio check should be performed before use.

As the pump is set to a fixed and pre-set ratio position there is no concern over sliding scale and unknown set point positions as with other adjustable ratio systems.

Ratio Chart

A Comp.	B Comp.	Pressure Ratio	1	2	3	4	5	6
94	90	68:1	2:1	2.66:1	3:1	4:1	5:1	6:1
90	94	68:1	0.5:1	0.66:1	0.75:1	1:1	1.25:1	1.5:1
94	94	51:1	1:1	1.33:1	1.5:1	2:1	2.5:1	3:1
94	92	58:1	1.33:1	1.75:1	2:1	2.67:1	3.33:1	4:1
92	94	58:1	0.75:1	1:1	1.12:1	1.5:1	1.88:1	2.25:1
98	90	40:1	3:1	4:1	4.5:1	6:1	7.5:1	9:1

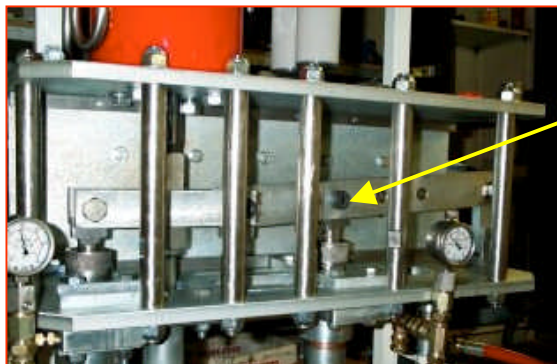
The metering pump uses many standard CoverCat components and is fitted with a 120mm (4.75") Stroke Pump for improved delivery and reduced valve wear.

The Air Drive Motor Unit is a 300 series unit with 290mm dia cylinder using the standard CoverCat valve system for reliable and freeze free operation. Exhaust silencers maintain low exhaust pressure and noise.

Metering Pump Cylinders can be changed to provide wider ratio selections from a chart included in the operators manual.

The Standard ratio range is **1:1 to 6:1** (94 – 90) each range can be set to 6 positions and cylinders can be reversed (90 – 94).

Further special order positions are available for unusual mix ratio choices and can be supplied to order.



Pin Location for Ratio Adjustment



Typical CoverCat 306VR-C

The CoverCat 306VR can be supplied as a bare unit or as a system including options for heating, feeding, control and delivery hoses etc.

Model Range

Model	Type	Detail	Size	Weight
306VR	C	Bare metering pump unit on frame.	850 x 340 x 1400mm	100kg
306VR	B	Basic system on cart – no heating.	1250 x 750 x 1575mm	200kg
306VR	E	Cart mounted system with heating package.	1250 x 750 x 1575mm	300kg
306VR	T	Flat cart mounted system with heating and material tanks	1750 x 1000 x 1700mm	450kg

Item	306VR – C	306VR – B	306VR – E	306VR – T
306 Metering Pump	•	•	•	•
Floor Mounting Frame	•			
Basic 4 Wheel Cart		•	•	
Flat Bed 4 Wheel Cart				•
Feed Pump 6:1 25ltr		•	•	
Feed Pump 6:1 Stubby				•
Pneumatic Control Panel			•	•
Pressure Control Shutdown			•	•
Solvent Flush Pump		•	•	•
High Pressure Heater x 1			•	
High Pressure Heaters x 2				•
Material Hoppers				•
Outlet Manifold with Filters		•	•	•
Hose Bundle 15m			•	•
Mix Manifold		•	•	•
Spray Hose, Gun & Tip Assembly		•	•	•
Guidance Notes & Manual	•	•	•	•
Basic Operators Tool Kit	•	•	•	•
Instant Mix Spray Gun Kit				
Heated Material Hopper Kit				
Spares Package				
Training Course				

- Denotes: Standard fitment



System Requirements:

Compressed Air:
 100cfm (2.5m³/min) @ 100psi (7kg/cm²) Min. Recommended

Electrical:
 220/240v or 110v 1ph, 16amp, supply to each heater.

Specification and arrangement subject to change without notice.

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Typical Schematic

A Component (Base)

- A1 Component A Drum
- A2 CoverCat 6:1 Feed Pump
- A3 Inlet Filtration
- A4 Metering Pump Cylinder
- A5 High Pressure Gauges
- A6 Over Pressure Relief Valves
- A7 High Pressure Filtration
- A8 Drain Valves
- A9 High Pressure 3.2kW Heater
- A10 Check Valve

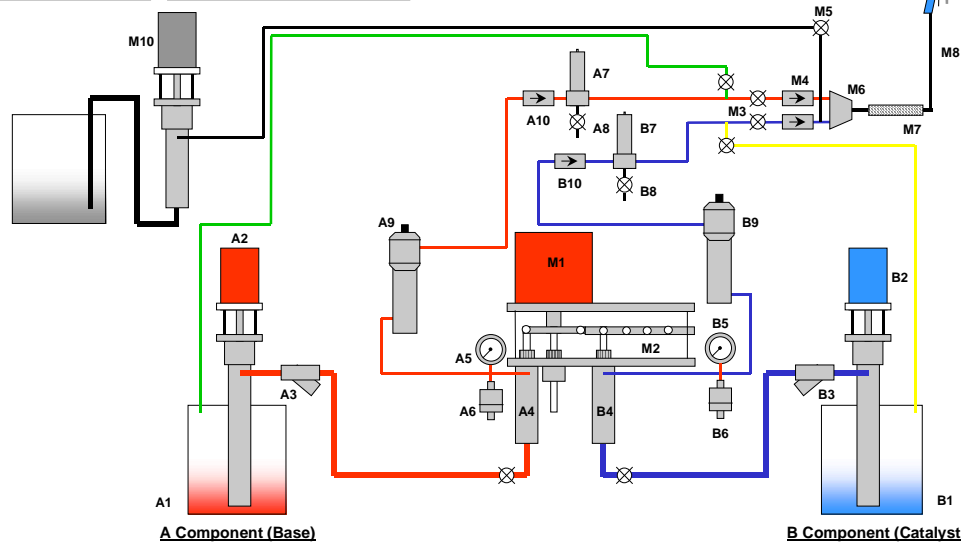
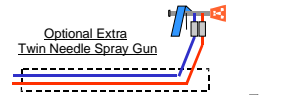
B Component (Catalyst)

- B1 Component B Drum
- B2 CoverCat 6:1 Feed Pump
- B3 Inlet Filtration
- B4 Metering Pump Cylinder
- B5 High Pressure Gauges
- B6 Over Pressure Relief Valves
- B7 High Pressure Filtration
- B8 Drain Valves
- B9 High Pressure 3.2kW Heater
- B10 Check Valve

Metering System

- M1 CoverCat 306 Metering Pump
- M2 Adjustable Yoke System
- M3 HP Valves
- M4 Check Valves
- M5 Solvent Flush Valve
- M6 Mix Manifold Head
- M7 Static Mixer
- M8 Whip Hose
- M9 Spray Gun & Spray Tip
- M10 Solvent Flush Pump & Supply
- M11 Optional Extra Twin Needle Gun

CoverCat 306VR System



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CoverCat 290 Air Motor

Pin Location for Ratio

Pressure Gauge

Slide Mount "B" Pump

Safety Relief Valve

Fixed Mount "A" Pump