



## Applicators for Two-Component Cartridge Systems



## A range to meet your needs

The use of twin-component cartridge packs and static mixing nozzles has proved an effective and efficient method of dispensing reactive materials such as adhesives and sealants. Recent years have seen a substantial increase in their use within a wide range of industries. PC Cox has probably the most comprehensive range of applicators in the world for applying these products: in excess of 60 models designed for use with twin-cartridge systems from all the world's major manufacturers.

### New formulations, new cartridges, new applicators

Cox's unique modular design and versatile in-house manufacturing facilities have proved ideal for producing applicators to meet this growing variety of products. As new materials appear, new applicators can be quickly manufactured to ensure the most efficient use and application.

### Eco-friendly sachets, a new range of applicators

This brochure, for example, features the first of a new range of two-component applicators for use with sachets rather than cartridges. Sachets are seen as being more eco-friendly than cartridges since they use both less material and energy to manufacture and less wastage when disposed of.

The two sachet applicators, one manual, one pneumatic can be seen on page 14.

### A constantly expanding range

To keep abreast of demand means that we produce a constantly expanding range: if you cannot find an applicator in this brochure to dispense your product, there may be new standard applicators just launched or under development. So, check our web site ([www.pccox.co.uk](http://www.pccox.co.uk)) or contact us by phone, e-mail or letter.

If there is still nothing available, PC Cox can almost certainly design and manufacture an applicator to meet your needs, quickly and economically.

## Manual or Pneumatic

### The choice is yours

Depending on your needs, manual or pneumatic models are available for the vast majority of cartridges. **Pneumatic applicators** are ideal for factory or production line situations or where compressed air is readily available. Their high productivity gives you an excellent pay-back on your investment. **Manual applicators** are ideal for use where there is no access to compressed air. They range from simple budget tools to the most powerful handguns on the market today, able to deal with all but the very largest cartridge systems.



### CBM 25



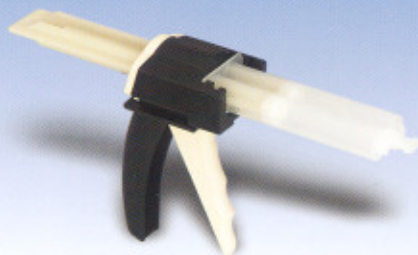
Trigger Ratio	
11:1	
Cartridge	Net weight
50ml 1:1 (25+25ml) - See page 15	430g

### CBA 25



Net weight			
755g			
Cartridge	Operating Pressure	Thrust	Ø
50ml 1:1 (25ml+25ml) - See page 15	3.4 bar	0.71kN	50.9mm

### MPD 50/50



Trigger Ratio	
16:1	
Cartridge	Net weight
50ml 1:1 (25+25ml) - See page 15	166g

### VBM 100



Trigger Ratio	
18:1	
Cartridge	Net weight
200ml 1:1 (100+100ml) - See pages 15/17	1220g

### VBA 100LP



Net weight			
1390g			
Cartridge	Operating Pressure	Thrust	Ø
200ml 1:1 (100+100ml) - See pages 15/17	6.8 bar	1.4kN	50.9mm

### VBA 100HP



- Air return as optional extra.

Net weight			
1690g			
Cartridge	Operating Pressure	Thrust	Ø
200ml 1:1 (100+100ml) - See pages 15/17	6.8 bar	2.2kN	63.5mm

## VBM 200



Trigger Ratio	
18:1	
Cartridge	Net weight
400ml 1:1 (200+200ml) - See pages 16/18	1570g

## VBA 200A



- Air return as standard.

Net weight			
2930g			
Cartridge	Operating Pressure	Thrust	Ø
400ml 1:1 (200+200ml) - See pages 16/18	6.8 bar	5.25kN	98.4mm

## VBA 200B



- Air return as optional extra.

Net weight			
2210g			
Cartridge	Operating Pressure	Thrust	Ø
400ml 1:1 (200+200ml) - See pages 16/18	6.8 bar	2.2kN	63.5mm

## VBM 200X



Trigger Ratio	
25:1	
Cartridge	Net weight
400ml 1:1 (200+200ml) - See pages 16/18	1665g

## VBM (MR) 200



- For all variations of 200ml series Mixpac cartridges

Cartridge	Trigger Ratio
200ml 1:1 Mixpac - See page 17	18:1
200ml 2:1 Mixpac - See page 17	
200ml 4:1 Mixpac - See page 17	
200ml 10:1 Mixpac - See page 17	
Net weight	
1560g	

## VBM (MR) 200X



- For all variations of 200ml series Mixpac cartridges

Cartridge	Trigger Ratio
200ml 1:1 Mixpac - See page 17	25:1
200ml 2:1 Mixpac - See page 17	
200ml 4:1 Mixpac - See page 17	
200ml 10:1 Mixpac - See page 17	
Net weight	
1675g	

## VBA (MR) 200A



- For all variations of 200ml series Mixpac cartridges
- Air return as standard

Cartridge	Net weight		
200ml 1:1 Mixpac - See page 17	2850g		
200ml 2:1 Mixpac - See page 17			
200ml 4:1 Mixpac - See page 17	Operating Pressure	Thrust	Ø
200ml 10:1 Mixpac - See page 17	6.8bar	5.25N	98.4mm

## VBA (MR) 200B



- For all variations of 200ml series Mixpac cartridges
- Air return as standard

Cartridge	Net weight		
200ml 1:1 Mixpac - See page 17	2210g		
200ml 2:1 Mixpac - See page 17			
200ml 4:1 Mixpac - See page 17	Operating Pressure	Thrust	Ø
200ml 10:1 Mixpac - See page 17	6.8bar	2.2kN	63.5mm

## VBM (MR) 400



- For all variations of 400ml series Mixpac cartridges

Cartridge	Trigger Ratio
400ml 1:1 Mixpac - See page 18	18:1
400ml 2:1 Mixpac - See page 18	
400ml 4:1 Mixpac - See page 18	Net weight
400ml 10:1 Mixpac - See page 18	1645g

## VBM (MR) 400X



- For all variations of 400ml series Mixpac cartridges

Cartridge	Trigger Ratio
400ml 1:1 Mixpac - See page 18	25:1
400ml 2:1 Mixpac - See page 18	
400ml 4:1 Mixpac - See page 18	Net weight
400ml 10:1 Mixpac - See page 18	1760g

## VBA (MR) 400A



- For all variations of 400ml series Mixpac cartridges
- Air return as standard

Cartridge	Net weight		
400ml 1:1 Mixpac - See page 18	3110g		
400ml 2:1 Mixpac - See page 18			
400ml 4:1 Mixpac - See page 18	Operating Pressure	Thrust	Ø
400ml 10:1 Mixpac - See page 18	6.8bar	5.25kN	98.4mm

## VBA (MR) 400B



- For all variations of 400ml series Mixpac cartridges
- Air return as standard

Cartridge	Net weight		
400ml 1:1 Mixpac - See page 18	2210g		
400ml 2:1 Mixpac - See page 18			
400ml 4:1 Mixpac - See page 18	Operating Pressure	Thrust	Ø
400ml 10:1 Mixpac - See page 18	6.8bar	2.2kN	63.5mm

## RBM 100LV



Trigger Ratio	
12:1	
Cartridge	Net weight
220ml 1:1 (110+110ml) - See page 15	1040g

## RBM 100



Trigger Ratio	
18:1	
Cartridge	Net weight
220ml 1:1 (110+110ml) - See page 15	1190g

## RBA 100LP



Cartridge	Net weight		
	Operating Pressure	Thrust	Ø
220ml 1:1 (110+110ml) - See page 15	6.8 bar	1.4kN	50.9mm

## RBA 100HP



- Air return as optional extra.

Cartridge	Net weight		
	Operating Pressure	Thrust	Ø
220ml 1:1 (110+110ml) - See page 15	6.8 bar	2.2kN	63.5mm

## RBM 200X



Trigger Ratio	
25:1	
Cartridge	Net weight
380ml 1:1 (190+190ml) - See page 15	1420g

## RBA 200B



- Air return as optional extra.

Cartridge	Net weight		
	Operating Pressure	Thrust	Ø
380ml 1:1 (190+190ml) - See page 15	6.8 bar	2.2kN	63.5mm

**RBM 310X**

Trigger Ratio	
25:1	
Cartridge	Net weight
620ml 1:1 (310+310ml) - See page 15	1540g

**RBA 310B**

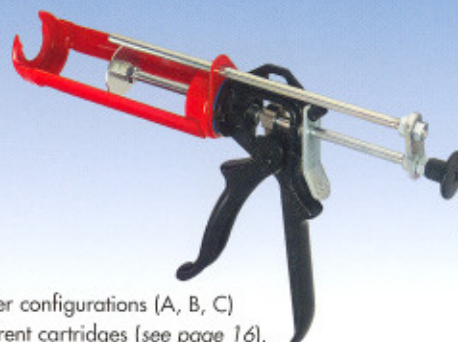
- Air return as optional extra.

		Net weight		
		2210g		
Cartridge	Operating Pressure	Thrust	Ø	
620ml 1:1 (310+310ml) - See page 15	6.8 bar	2.2kN	63.5mm	

**CBA 200C**

- Air return as standard.
- Connecting manifold supplied for two separate 200ml cartridges

		Net weight		
		2830g		
Cartridge	Operating Pressure	Thrust	Ø	
2 separate 200ml cartridges	6.8 bar	5.25kN	98.4mm	

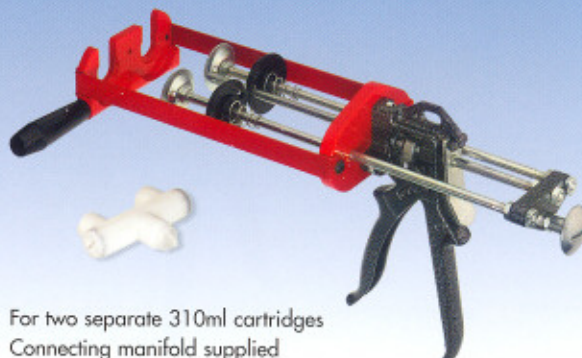
**CBM 235**

- 3 plunger configurations (A, B, C) for different cartridges (see page 16).

Trigger Ratio	
18:1	
Cartridge	Net weight
235ml 10:1 (213+22ml) - See page 16	920g

**CBM 235/7**

Trigger Ratio	
18:1	
Cartridge	Net weight
235ml 7:1 (206+29ml) - See page 16	920g

**CBM 310XC**

- For two separate 310ml cartridges
- Connecting manifold supplied

Trigger Ratio	
25:1	
Cartridge	Net weight
2 x 310ml standard cartridges	1570g

## CBM 310CP(X)



- For two separate 310ml cartridges without static mixer

Trigger Ratio	
18:1	
Cartridge	Net weight
2 x 310ml standard cartridges	1190g

## CBA 310C



- For two separate 310ml cartridges
- Connecting manifold supplied
- Air return as standard

Cartridge	Net weight		
	Operating Pressure	Thrust	Ø
2 x 310ml standard cartridges	6.8 bar	5.25kN	98.4mm

## CBM 330 (A and B)



- Two plunger configurations (A&B) for different cartridges (See pages 16 and 17)

Cartridge	Trigger Ratio
345ml 10:1 (314+31ml) - See page 17	18:1
Cartridge	Net weight
330ml 10:1 (300+30ml) - See page 17	1000g

## PPM 75



Cartridge	Trigger Ratio	Net weight
150ml 1:1 (75+75ml) - See page 15	18:1	1020g

## PPA 75LP



Cartridge	Net weight		
	Operating Pressure	Thrust	Ø
150ml 1:1 (75+75ml) - See page 15	6.8 bar	1.4kN	50.9mm

## PPA 75HP

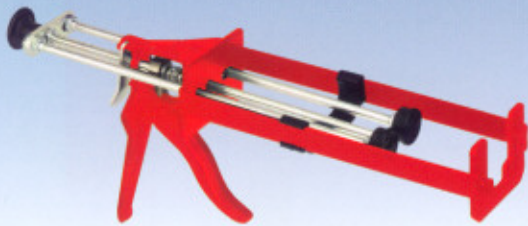


- Air return as optional extra.

Cartridge	Net weight		
	Operating Pressure	Thrust	Ø
150ml 1:1 (75+75ml) - See page 15	6.8 bar	2.2kN	63.5mm



## PPM 150LV



- Multi ratio applicator for long (214-217mm) clip together cartridges
- Conversion kit supplied free.

Cartridge	Trigger Ratio
150+150ml (1:1) See pages 20/21	12:1
150 + 75ml (2:1) See pages 20/21	<b>Net weight</b>
75 + 75ml (1:1) See pages 20/21	

## PPM 150



- Multi ratio applicator for long (214-217mm) clip together cartridges
- Conversion kit supplied free.

Cartridge	Trigger Ratio
150+150ml (1:1) See pages 20/21	18:1
150 + 75ml (2:1) See pages 20/21	<b>Net weight</b>
75 + 75ml (1:1) See pages 20/21	

## PPA 150LP



- For long (214-217mm) clip together cartridges
- Three dedicated versions:  
PPA 150LP/1: 150ml + 150ml (1:1) cartridges  
PPA 150LP/2: 150ml + 75ml (2:1) cartridges  
PPA 150LP/3: 75ml + 75ml (1:1) cartridges

Cartridge	Net weight						
150+150ml (1:1) See pages 20/21	1570g						
150 + 75ml (2:1) See pages 20/21	<table border="1"> <thead> <tr> <th>Operating Pressure</th> <th>Thrust</th> <th>Ø</th> </tr> </thead> <tbody> <tr> <td>6.8bar</td> <td>1.4kN</td> <td>50.9mm</td> </tr> </tbody> </table>	Operating Pressure	Thrust	Ø	6.8bar	1.4kN	50.9mm
Operating Pressure		Thrust	Ø				
6.8bar	1.4kN	50.9mm					
75 + 75ml (1:1) See pages 20/21							

## PPA 150HP



- Air return as optional extra.
- For long (214-217mm) clip together cartridges
- Three dedicated versions:  
PPA 150HP/1: 150ml + 150ml (1:1) cartridges  
PPA 150HP/2: 150ml + 75ml (2:1) cartridges  
PPA 150HP/3: 75ml + 75ml (1:1) cartridges.

Cartridge	Net weight						
150+150ml (1:1) See pages 20/21	1900g						
150 + 75ml (2:1) See pages 20/21	<table border="1"> <thead> <tr> <th>Operating Pressure</th> <th>Thrust</th> <th>Ø</th> </tr> </thead> <tbody> <tr> <td>6.8bar</td> <td>2.2kN</td> <td>63.5mm</td> </tr> </tbody> </table>	Operating Pressure	Thrust	Ø	6.8bar	2.2kN	63.5mm
Operating Pressure		Thrust	Ø				
6.8bar	2.2kN	63.5mm					
75 + 75ml (1:1) See pages 20/21							

## PPM 300



- Multi ratio applicator for long (214-217mm) clip together cartridges
- Conversion kits supplied free.

Cartridge	Trigger Ratio
300+300ml (1:1) See pages 20/21	18:1
300+150ml (2:1) See pages 20/21	<b>Net weight</b>
300 + 75ml (4:1) See pages 20/21	

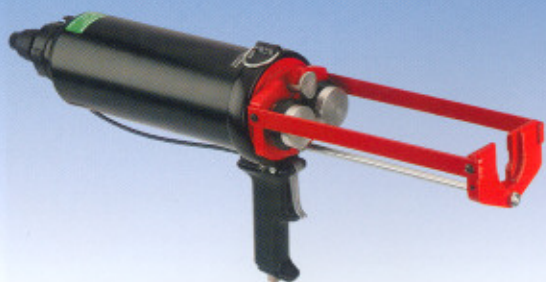
## PPM 300X



- Multi ratio applicator for long (214-217mm) clip together cartridges
- Conversion kits supplied free.

Cartridge	Trigger Ratio
300+300ml (1:1) See pages 20/21	25:1
300+150ml (2:1) See pages 20/21	<b>Net weight</b>

## PPA 300A



- Air return as standard
- Multi ratio applicator for long (214-217mm) clip together cartridges
- Conversion kits supplied free.

Cartridge		Net weight		
300+300ml (1:1)	See pages 20/21	3300g		
300+150ml (2:1)	See pages 20/21			
300+75ml (4:1)	See pages 20/21			
		Operating Pressure	Thrust	Ø
		6.8bar	5.25kN	98.4mm

## PPA 300B



- Air return as optional extra
- For long (214-217mm) clip together cartridges
- Three dedicated versions:
  - PPA 300B/1: 300ml + 300ml (1:1) cartridges
  - PPA 300B/2: 300ml + 150ml (2:1) cartridges
  - PPA 300B/3: 300ml + 75ml (4:1) cartridges.

Cartridge		Net weight		
300+300ml (1:1)	See pages 20/21	2290g		
300+150ml (2:1)	See pages 20/21			
300+75ml (4:1)	See pages 20/21			
		Operating Pressure	Thrust	Ø
		6.8bar	2.2kN	63.5mm

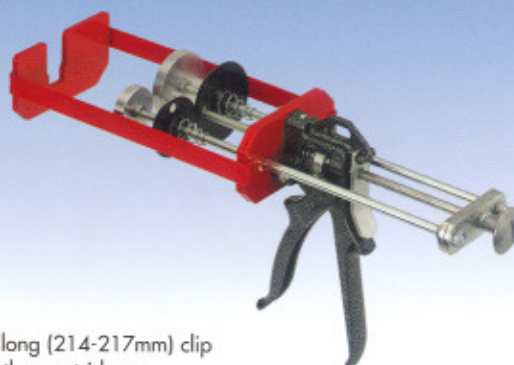
## PPM 330



- Multi ratio applicator for long (214-217mm) clip together cartridges.

		Trigger Ratio
		18:1
Cartridge		Net weight
300+30ml (10:1)	See pages 20/21	1250g

## PPM 600X



- For long (214-217mm) clip together cartridges.

		Trigger Ratio
		25:1
Cartridge		Net weight
600+300ml (2:1)	See pages 20/21	2180g

## PPA 600A



- For long (214-217mm) clip together cartridges.
- Air return as standard

		Net weight		
		3600g		
Cartridge		Operating Pressure	Thrust	Ø
600+300ml (2:1)	See pages 20/21	6.8bar	5.25kN	98.4mm

## PPM 750X



- For long (214-217mm) clip together cartridges.

		Trigger Ratio
		25:1
Cartridge		Net weight
750+75ml (10:1)	See pages 20/21	1900g

## PPA 750



- For long (214-217mm) clip together cartridges
- Air return as standard

Cartridge	Net weight		
	Operating Pressure	Thrust	Ø
750+75ml (10:1) See pages 20/21	6.8bar	5.25kN	98.4mm

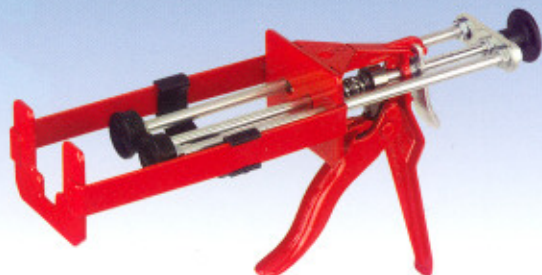
## PPA 1500



- Air return as standard
- For long (214-217mm) clip together cartridges
- Three dedicated versions:  
PPA 1500/1: 750ml + 750ml (1:1) cartridges  
PPA 1500/2: 750ml + 300ml (2.5:1) cartridges  
PPA 1500/3: 750ml + 150ml (5:1) cartridges.

Cartridge	Net weight	Operating Pressure		
		Thrust	Ø	
750+750ml (1:1) See pages 20/21	3730g	6.8bar	5.25kN	98.4mm
750+300ml (2.5:1) See pages 20/21				
750+150ml (5:1) See pages 20/21				

## TBM 100LV



- Multi ratio applicator for fixed ratio and short (152mm) clip together cartridges.

Cartridge	Trigger Ratio
Fixed Ratio & Multi Ratio 200ml 1:1 (100+100ml) - See pages 15&17	12:1
Clip Together 100ml + 100ml (1:1) - See pages 20/21 100ml + 50ml (2:1) - See pages 20/21	Net weight 1040g

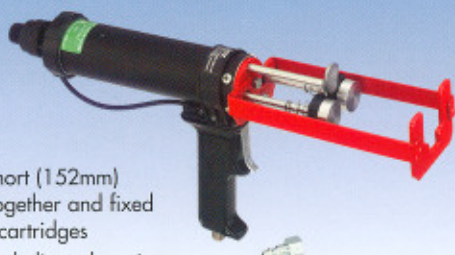
## TBM 100



- Multi ratio applicator for fixed ratio and short (152mm) clip together cartridges
- Conversion kits supplied free.

Cartridge	Trigger Ratio
Fixed Ratio & Multi Ratio 200ml 1:1 (100+100ml) - See pages 15&17	18:1
Clip Together 100ml + 100ml (1:1) - See pages 20/21 100ml + 50ml (2:1) - See pages 20/21	Net weight 1200g

## TBA 100LP



- For short (152mm) clip together and fixed ratio cartridges
- Three dedicated versions:  
TBA 100LP/1: 100ml + 100ml (1:1) cartridges  
TBA 100LP/2: 100ml + 50ml (2:1) cartridges  
TBA 100LP/3: 50ml + 50ml (1:1) cartridges.

Cartridge	Net weight		
Operating Pressure	Thrust	Ø	
Fixed Ratio & Multi Ratio 200ml 1:1 (100+100ml) - See pages 15&17	1400g		
Clip Together 100ml + 100ml (1:1) - See pages 20/21 100ml + 50ml (2:1) - See pages 20/21 50ml + 50ml (1:1) - See pages 20/21	6.8bar	1.40kN	50.9mm

## TBA 100HP



- For short (152mm) clip together and fixed ratio cartridges
- Three dedicated versions:  
TBA 100HP/1: 100ml + 100ml (1:1) cartridges  
TBA 100HP/2: 100ml + 50ml (2:1) cartridges  
TBA 100HP/3: 50ml + 50ml (1:1) cartridges.

Cartridge	Net weight		
Operating Pressure	Thrust	Ø	
Fixed Ratio & Multi Ratio 200ml 1:1 (100+100ml) - See pages 15&17	1760g		
Clip Together 100ml + 100ml (1:1) - See pages 20/21 100ml + 50ml (2:1) - See pages 20/21 50ml + 50ml (1:1) - See pages 20/21	6.8bar	2.2kN	63.5mm

## CCM 310LV



- For 150ml, 220ml, 300ml and 330ml co-axial cartridges
- Two dedicated versions:  
CCM 310LV/1: 1:1 co-axial  
CCM 310LV/10: 10:1 co-axial

Cartridge	Trigger Ratio
150ml co-axial - See page 19	12:1
220ml co-axial - See page 19	
300ml co-axial - See page 19	<b>Net weight</b>
330ml co-axial - See page 19	775g

## CCM 310



- For 150ml, 220ml, 300ml and 330ml co-axial cartridges
- Two dedicated versions:  
CCM 310/1: 1:1 co-axial  
CCM 310/10: 10:1 co-axial

Cartridge	Trigger Ratio
150ml co-axial - See page 19	18:1
220ml co-axial - See page 19	
300ml co-axial - See page 19	<b>Net weight</b>
330ml co-axial - See page 19	890g

## CCM 310X



- For 150ml, 220ml, 300ml and 330ml co-axial cartridges
- Two dedicated versions:  
CCM 310X/1: 1:1 co-axial  
CCM 310X/10: 10:1 co-axial

Cartridge	Trigger Ratio
150ml co-axial - See page 19	25:1
220ml co-axial - See page 19	
300ml co-axial - See page 19	<b>Net weight</b>
330ml co-axial - See page 19	1050g

## CCM 380



- For 380ml co-axial cartridges only
- Four dedicated versions:  
CCM 380/1: 1:1 co-axial cartridge  
CCM 380/2: 2:1 co-axial cartridge  
CCM 380/3.5-5: 3.5-5:1 co-axial cartridge  
CCM 380/10: 10:1 co-axial cartridge.

Cartridge	Trigger Ratio
380ml (1:1) co-axial - See page 19	18:1
380ml (2:1) co-axial - See page 19	
380ml (3.5-5:1) co-axial - See page 19	<b>Net weight</b>
380ml (10:1) co-axial - See page 19	1060g

## CCM 380X



- For 380ml co-axial cartridges only
- Four dedicated versions:  
CCM 380X/1: 1:1 co-axial cartridge  
CCM 380X/2: 2:1 co-axial cartridge  
CCM 380X/3.5-5: 3.5-5:1 co-axial cartridge  
CCM 380X/10: 10:1 co-axial cartridge.

Cartridge	Trigger Ratio
380ml (1:1) co-axial - See page 19	25:1
380ml (2:1) co-axial - See page 19	
380ml (3.5-5:1) co-axial - See page 19	<b>Net weight</b>
380ml (10:1) co-axial - See page 19	1100g

## CCA 380A



- Air return standard
- For 380ml co-axial cartridges only
- Four dedicated versions:  
CCA 380A/1: 1:1 co-axial cartridge  
CCA 380A/2: 2:1 co-axial cartridge  
CCA 380A/3.5-5: 3.5-5:1 co-axial cartridge  
CCA 380A/10: 10:1 co-axial cartridge.

Cartridge	Net weight		
380ml (1:1) co-axial - See page 19	2730g		
380ml (2:1) co-axial - See page 19			
380ml (3.5-5:1) co-axial - See page 19	<b>Operating Pressure</b>	<b>Thrust</b>	<b>Ø</b>
380ml (10:1) co-axial - See page 19	6.8bar	5.2kN	98.4mm

## CCA 380B



- Air return as optional extra
- For 380ml co-axial cartridges only
- Four dedicated versions:

CCA 380B/1:	1:1 co-axial cartridge
CCA 380B/2:	2:1 co-axial cartridge
CCA 380B/3.5-5:	3.5-5:1 co-axial cartridge
CCA 380B/10:	10:1 co-axial cartridge.

Cartridge	Net weight		
	Operating Pressure	Thrust	Ø
380ml (1:1) co-axial - See page 19	1810g		
380ml (2:1) co-axial - See page 19			
380ml (3.5-5:1) co-axial - See page 19			
380ml (10:1) co-axial - See page 19	6.8bar	2.2kN	63.5mm

## Sachet Applicators

### CBM 310XS



- For two separate 310ml sachets
- Connecting manifold supplied

Trigger Ratio	
25:1	
Sachet	Net weight
2 x 310ml standard sachets	2080g

### CBA 310S



- For two separate 310ml sachets
- Connecting manifold supplied
- Air return as standard

Sachet	Net weight		
	Operating Pressure	Thrust	Ø
2 x 310ml standard sachets	3625g		
	6.8 bar	5.25kN	98.4mm

### Sachet Applicators

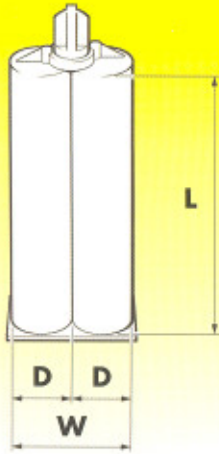
To meet the growing demand for two-component, reactive materials supplied in sachets, PC Cox have introduced two new applicators for use with 310ml sachets.

Since sachets can be seen as being more eco-friendly than cartridges, as they consume less material and less energy to manufacture and less waste when disposed of, it is expected that this may be a growing trend. If so, and should materials manufacturers decide to supply two-component materials in different sized sachets, PC Cox will be designing and producing applicators to suit.

To keep up to date with our latest models, please refer to our web site at [www.pccox.co.uk](http://www.pccox.co.uk).



## 50ml (1:1) (25ml + 25ml)



<b>L</b> : 97mm
<b>W</b> : 42mm
<b>D</b> : 21.7mm

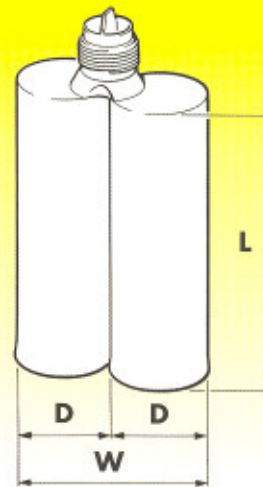
### Manual applicators

**CBM 25** page 4  
**MPD 50/50** page 4

### Pneumatic applicators

**CBA 25** page 4

## 150ml (1:1) Plas-Pak (75ml + 75ml)



<b>L</b> : 115mm
<b>W</b> : 75mm
<b>D</b> : 37mm

### Manual applicators

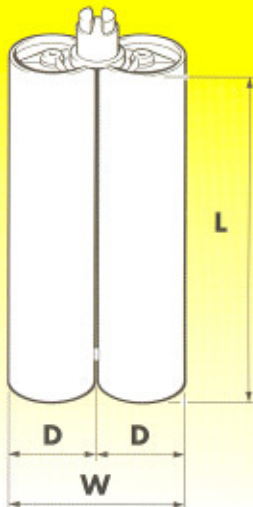
**PPM 75** page 9

### Pneumatic applicators

**PPA 75LP** page 9

**PPA 75HP** page 9

## 220ml (1:1) Ritter (110ml + 110ml)



<b>L</b> : 143mm
<b>W</b> : 75.6mm
<b>D</b> : 36.7mm

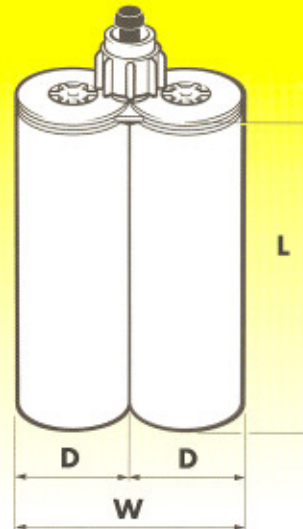
### Manual applicators

**RBM 100LV** page 7  
**RBM 100** page 7

### Pneumatic applicators

**RBA 100LP** page 7  
**RBA 100HP** page 7

## 380ml (1:1) Ritter (190ml + 190ml)



<b>L</b> : 148mm
<b>W</b> : 96mm
<b>D</b> : 48.5mm

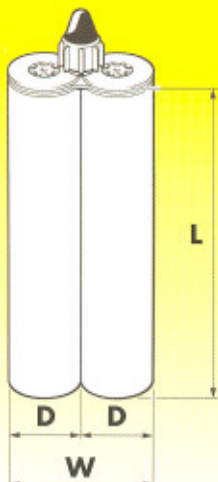
### Manual applicators

**RBM 200X** page 7

### Pneumatic applicators

**RBA 200B** page 7

## 620ml (1:1) Ritter (310ml + 310ml)



<b>L</b> : 218mm
<b>W</b> : 96mm
<b>D</b> : 48.5mm

### Manual applicators

**RBM 310X** page 8

### Pneumatic applicators

**RBA 310B** page 8

## 200ml (1:1) (100ml + 100ml)



<b>L</b> : 147mm
<b>W</b> : 77mm
<b>D</b> : 37mm

### Manual applicators

**VBM 100** page 4

**TBM 100LV** page 12

**TBM 100** page 12

### Pneumatic applicators

**VBA 100LP** page 4

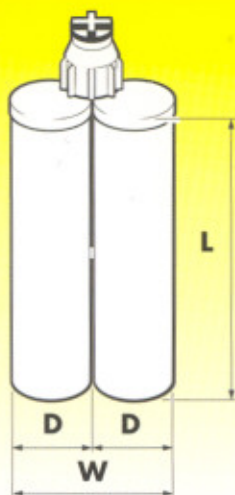
**VBA 100HP** page 4

**TBA 100LP/1** page 12

**TBA 100HP/1** page 12

# Fixed Ratio Cartridges

**400ml** (1:1) (200ml + 200ml)



<b>L:</b> 185mm
<b>W:</b> 91.5mm
<b>D:</b> 44.8mm

Manual applicators

**VBM 200** page 5  
**VBM 200X** page 5

Pneumatic applicators

**VBA 200A** page 5  
**VBA 200B** page 5

**235ml** (7:1) (206ml + 29ml)



<b>L:</b> 147mm
<b>D1:</b> 49.5mm
<b>D2:</b> 20.3mm

Manual applicators

**CBM 235/7** page 8

**235ml** (10:1) (213ml + 22ml)



<b>L:</b> 147mm
<b>D1:</b> 49.5mm
<b>D2:</b> 17mm

Manual applicators

**CBM 235B** page 8



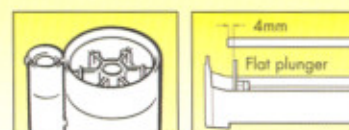
**235ml** (10:1) Sulzer (213ml + 22ml)



<b>L:</b> 147mm
<b>D1:</b> 49.5mm
<b>D2:</b> 17.5mm

Manual applicators

**CBM 235A** page 8



**235ml** (10:1) (213ml + 22ml)



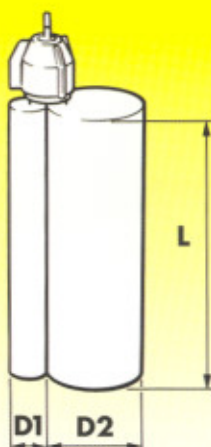
<b>L:</b> 148mm
<b>D1:</b> 49.5mm
<b>D2:</b> 17.5mm

Manual applicators

**CBM 235C** page 8



**235ml** (10:1) (213ml + 22ml)



<b>L:</b> 143mm
<b>D1:</b> 49.5mm
<b>D2:</b> 17.5mm

Manual applicators

**CBM 235A** page 8



## 330ml (10:1) (300ml + 30ml)



**L:** 202mm

**D1:** 49.5mm

**D2:** 17.5mm

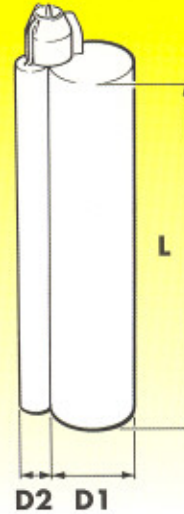
### Manual applicators

**CBM 330B** page 9



## 345ml (10:1)\* (314ml + 31ml)

\*For 7:1 ratio please contact PC Cox Ltd.



**L:** 143mm

**D1:** 49.5mm

**D2:** 17.5mm

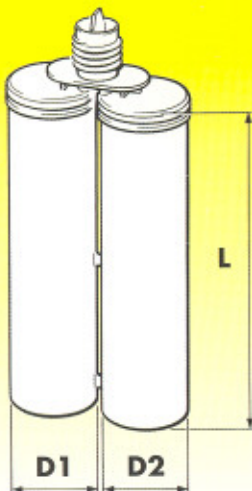
### Manual applicators

**CBM 330A** page 9



## Mixpac Fixed Ratio Cartridges 200 series

### 200ml Mixpac (1:1) (100ml + 100ml)



**L:** 150mm

**D1:** 37mm

**D2:** 37mm

### Manual applicators

**VBM 100** page 4

**VBM (MR/1) 200** page 5

**VBM (MR/1) 200X** page 5

**TBM 100LV** page 5

### Pneumatic applicators

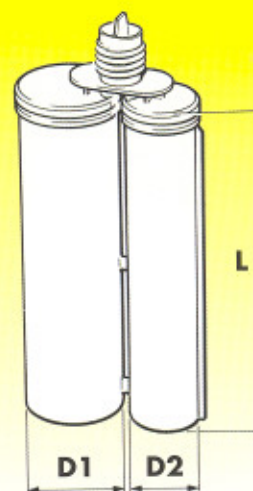
**VBA 100LP** page 4

**VBA 100HP** page 4

**VBA (MR/1) 200A** page 6

**VBA (MR/1) 200B** page 6

### 200ml Mixpac (2:1) (140ml + 70ml)



**L:** 150mm

**D1:** 44mm

**D2:** 31mm

### Manual applicators

**VBM (MR/2) 200** page 5

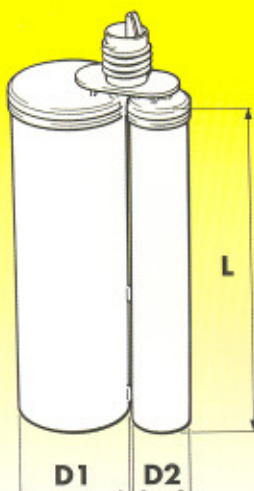
**VBM (MR/2) 200X** page 5

### Pneumatic applicators

**VBA (MR/2) 200A** page 6

**VBA (MR/2) 200B** page 6

### 200ml Mixpac (4:1) (180ml + 45ml)



**L:** 150mm

**D1:** 49mm

**D2:** 29mm

### Manual applicators

**VBM (MR/4) 200** page 5

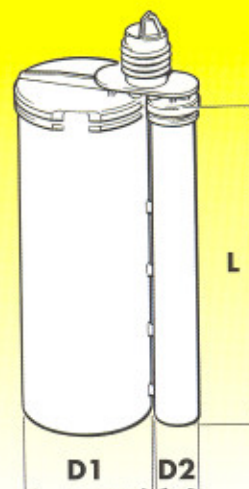
**VBM (MR/4) 200X** page 5

### Pneumatic applicators

**VBA (MR/4) 200A** page 6

**VBA (MR/4) 200B** page 6

### 200ml Mixpac (10:1) (225ml + 22.5ml)



**L:** 150mm

**D1:** 54mm

**D2:** 18mm

### Manual applicators

**VBM (MR/10) 200** page 5

**VBM (MR/10) 200X** page 5

### Pneumatic applicators

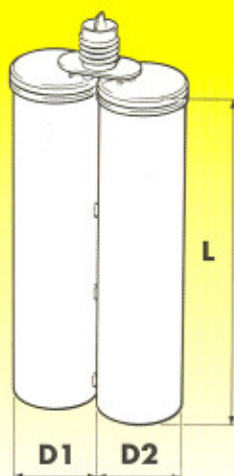
**VBA (MR/10) 200A** page 6

**VBA (MR/10) 200B** page 6



# Mixpac Fixed Ratio Cartridges 400 series

## 400ml (1:1) (200ml + 200ml)



**L:** 183mm

**D1:** 44mm

**D2:** 44mm

### Manual applicators

**VBM 200** page 5

**VBM 200X** page 5

**VBM (MR/1) 400** page 6

**VBM (MR/1) 400X** page 6

### Pneumatic applicators

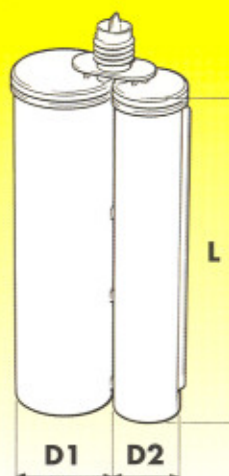
**VBA 200A** page 5

**VBA 200B** page 5

**VBA (MR/1) 400A** page 6

**VBA (MR/1) 400B** page 6

## 400ml (2:1) (270ml + 135ml)



**L:** 183mm

**D1:** 51mm

**D2:** 36mm

### Manual applicators

**VBM (MR/2) 400** page 6

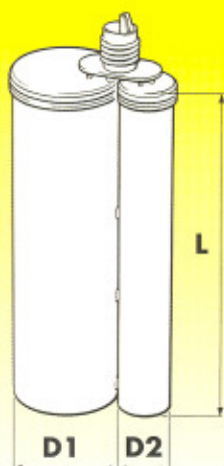
**VBM (MR/2) 400X** page 6

### Pneumatic applicators

**VBA (MR/2) 400A** page 6

**VBA (MR/2) 400B** page 6

## 400ml (4:1) (340ml + 85ml)



**L:** 183mm

**D1:** 57mm

**D2:** 29mm

### Manual applicators

**VBM (MR/4) 400** page 6

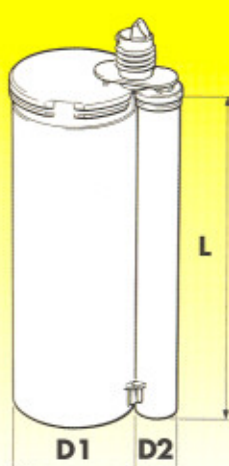
**VBM (MR/4) 400X** page 6

### Pneumatic applicators

**VBA (MR/4) 400A** page 6

**VBA (MR/4) 400B** page 6

## 400ml (10:1) (450ml + 45ml)



**L:** 183mm

**D1:** 65mm

**D2:** 20mm

### Manual applicators

**VBM (MR/10) 400** page 6

**VBM (MR/10) 400X** page 6

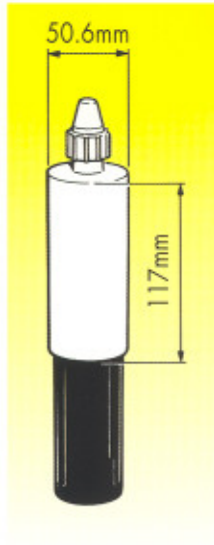
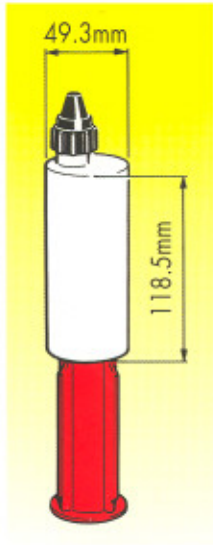
### Pneumatic applicators

**VBA (MR/10) 400A** page 6

**VBA (MR/10) 400B** page 6

# 150ml Co-axial Cartridges

(1:1 and 10:1 ratios)



## Manual applicators

These cartridges (with lurches) are designed for use with standard single component 310/330ml guns. Cox has a wide range and recommends the following:

- Wexford** Light duty professional applicator for low viscosity materials.
- Chilton** Heavy duty professional applicator for viscous materials.
- Ascot** Very heavy duty professional applicator for high viscosity materials.

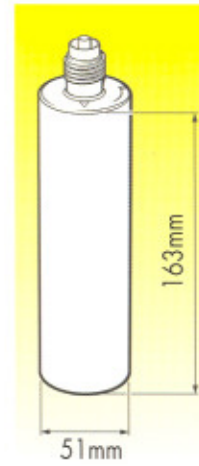
Contact PC Cox for details.

The following two-component guns are also suitable. These have co-axial plungers and no lurch is required.

- CCM 310LV** page 13
- CCM 310** page 13
- CCM 310X** page 13

# 220ml Co-axial Cartridges

(1:1 and 10:1 ratios)

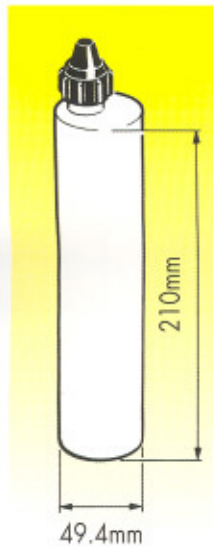


## Manual applicators

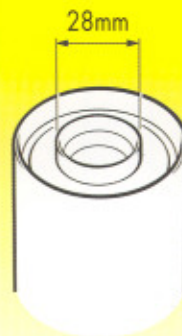
- CCM 310LV** page 13
- CCM 310** page 13
- CCM 310X** page 13

# 300ml and 330ml Co-axial Cartridges

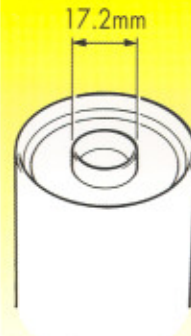
(1:1 and 10:1 ratios)



## Mix Ratio (1:1)



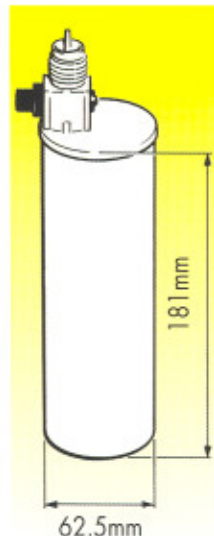
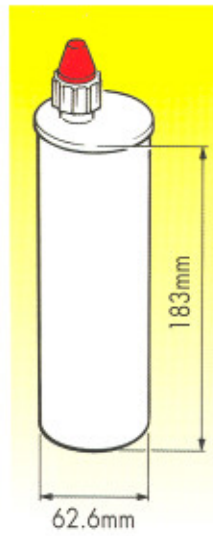
## Mix Ratio (10:1)



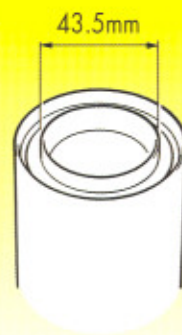
## Manual applicators

- CCM 310LV** page 13
- CCM 310** page 13
- CCM 310X** page 13

# 380ml Co-axial Cartridges



## Mix Ratio (1:1)



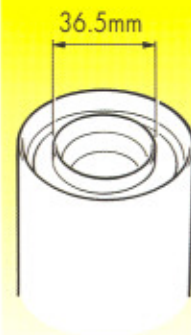
## Manual applicators

- CCM 380/1** page 13
- CCM 380X/1** page 13

## Pneumatic applicators

- CCA 380A/1** page 13
- CCA 380B/1** page 14

## Mix Ratio (2:1)



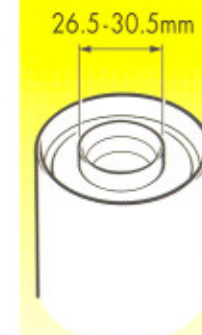
## Manual applicators

- CCM 380/2** page 13
- CCM 380X/2** page 13

## Pneumatic applicators

- CCA 380A/2** page 13
- CCA 380B/2** page 14

## Mix Ratio (3.5-5:1)



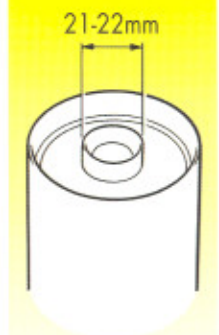
## Manual applicators

- CCM 380/3.5-5** page 13
- CCM 380X/3.5-5** page 13

## Pneumatic applicators

- CCA 380A/3.5-5** page 13
- CCA 380B/3.5-5** page 14

## Mix Ratio (10:1)



## Manual applicators

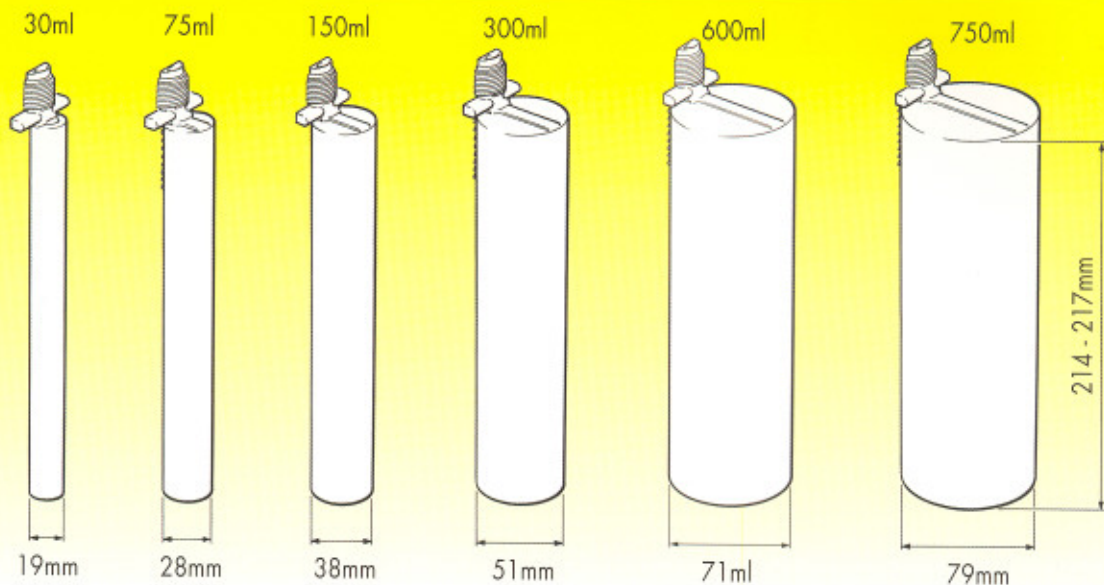
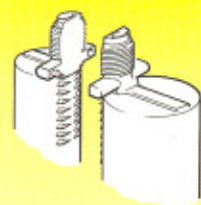
- CCM 380/10** page 13
- CCM 380X/10** page 13

## Pneumatic applicators

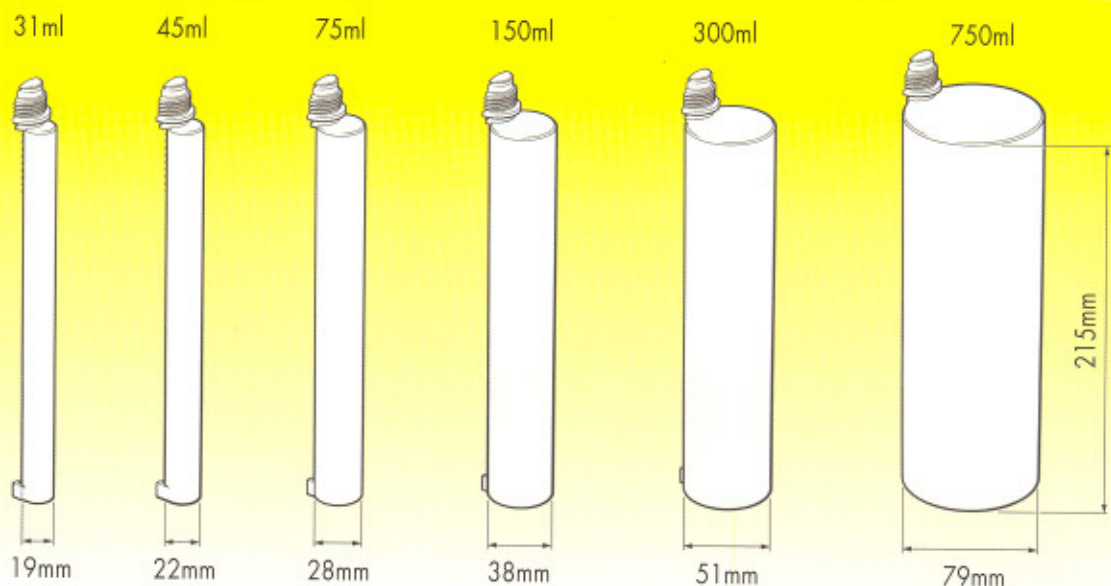
- CCA 380A/10** page 13
- CCA 380B/10** page 14

# Clip Together Cartridges

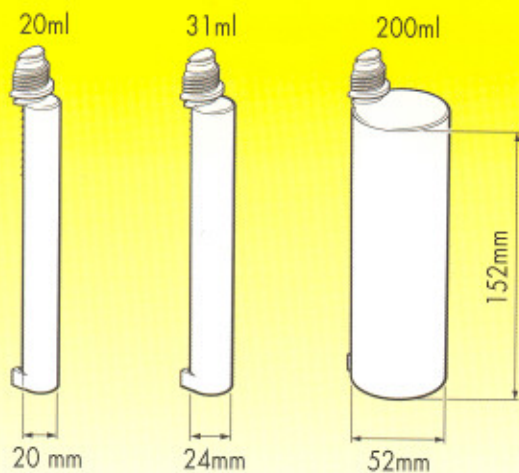
## PLAS PAK



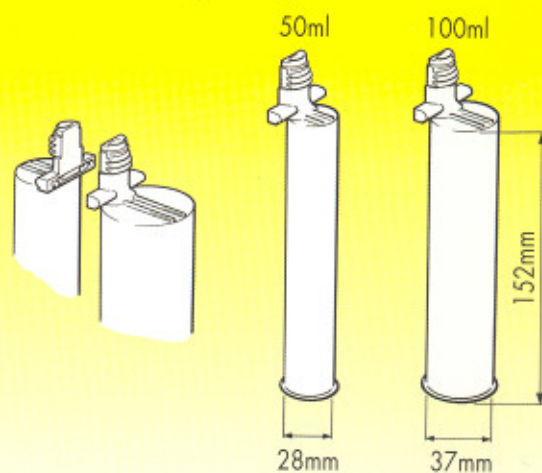
## RITTER



## RITTER (Short)



## TECHON (Short)



CARTRIDGE COMBINATION	MIX RATIO	APPLICATOR	See page	CARTRIDGE COMBINATION	MIX RATIO	APPLICATOR	See page
50ml + 50ml	1:1	<b>Pneumatic</b> TBA 100LP/3 TBA 100HP/3	12 12	300ml + 30ml	10:1	<b>Manual</b> PPM 330 CBM 330B	11 9
75ml + 75ml	1:1	<b>Manual</b> PPM 150LV PPM 150	10 10	300ml + 75ml	4:1	<b>Manual</b> PPM 300	10
100ml + 50ml	2:1	<b>Manual</b> TBM 100LV TBM 100	12 12			<b>Pneumatic</b> PPA 300A PPA 300B/3	11 11
		<b>Pneumatic</b> TBA 100LP/2 TBA 100HP/2	12 12	300ml + 150ml	2:1	<b>Manual</b> PPM 300 PPM 300X	10 10
100ml + 100ml	1:1	<b>Manual</b> TBM 100LV TBM 100	12 12			<b>Pneumatic</b> PPA 300A PPA 300B/2	11 11
		<b>Pneumatic</b> TBA 100LP/1 TBA 100HP/1	12 12	300ml + 300ml	2:1	<b>Manual</b> PPM 300 PPM 300X	10 10
						<b>Pneumatic</b> PPA 300A PPA 300B/1	11 11
150ml + 75ml	2:1	<b>Manual</b> PPM 150LV PPM 150	10 10	600ml + 300ml	2:1	<b>Manual</b> PPM 600X	11
		<b>Pneumatic</b> PPA 150LP/2 PPA 150HP/2	10 10			<b>Pneumatic</b> PPA 600A	11
150ml + 150ml	1:1	<b>Manual</b> PPM 150LV PPM 150	10 10	750ml + 75ml	10:1	<b>Manual</b> PPM 750X	11
		<b>Pneumatic</b> PPA 150LP/1 PPA 150HP/1	10 10			<b>Pneumatic</b> PPA 750	12
200ml + 20ml	10:1	<b>Manual</b> CBM 235	8	750ml + 150ml	5:1	<b>Pneumatic</b> PPA 1500/3	12
		<b>Pneumatic</b> Please refer to PC Cox		750ml + 300ml	2.5:1	<b>Pneumatic</b> PPA 1500/2	12
200ml + 35ml	7:1	<b>Manual</b> CBM 235/7	8	750ml + 750ml	1:1	<b>Pneumatic</b> PPA 1500/1	12
		<b>Pneumatic</b> Please refer to PC Cox					

## Selecting the Applicator

To select the applicator you require, first identify your cartridge

### Cartridges and sachets

#### Fixed ratio cartridges

These are supplied as integrally moulded pairs.

#### Clip together cartridges

Supplied as single cartridges in different sizes, these can be clipped together to make up different ratios of material dispensed. The different ratios may require different applicators.

#### Co-axial cartridges

Supplied as concentric cartridges which may be used with some single component applicators.

#### Sachets

see page 14.

### Manual Applicators

#### Trigger ratios

Trigger ratio governs the force that can be applied to the cartridges: the higher the ratio, the greater the force applied for a given trigger pressure. The more viscous the material being applied and the larger the cartridge, the higher the trigger ratio needed for comfortable operation.

Since the mixing nozzle provides a substantial restriction to flow, trigger ratios need to be substantially higher than for single component materials in order to ensure good mixing and ease of application.

**Cox two component applicators are made in three trigger ratios:**

Mechanism	Trigger Ratio	Viscosity	Cartridge
Mark 10	25:1	High	Large
Mark 6/Mark 7	18:1	Medium	Medium
W mechanism	12:1	Low	Small

#### Wear Compensating Device

All Cox manual applicators have a Wear Compensating Device (WCD) to counteract the inevitable wear in the drive mechanism. This ensures:

- \* Minimum free play in the trigger;
- \* Instant rod drive when the trigger is pulled;
- \* Fewer strokes to empty a cartridge.

#### Plunger Configuration

There are 2 plunger rod configurations for Cox manual bi-mixer applicators, governed by cartridge configurations:

##### 3 in-line rods

Most efficient transfer of thrust from drive rod to plunger rods. Best configuration for high viscosity applications.

##### Twin rods

One satellite plunger rod connected to main drive rod, which also acts as a plunger. Simple and effective for lower viscosity materials.

### Pneumatic Applicators

#### Cylinder size, working pressure and thrust.

Similar in effect to trigger ratio on manual applicators. The power available is directly proportional to the cylinder diameter.

Type	Cylinder Diameter (mm)	Working Pressure (bar)	Thrust (kN)	Viscosity	Cartridge
A	98.4	6.8(100psi)	5.25	High	Large
B/HP	63.5	6.8(100psi)	2.19	Medium	Medium
LP	50.8	6.8(100psi)	1.40	Low	Small

*Note: 3.4 bar (50psi) and 5 bar (75psi) regulators also available.*

# cox



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# cox

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