



STATE AIRCRAFT UNIT  
V I C T O R I A

## ATTACHMENT 10

Very Large Airtanker Project  
Victoria 2010

### ***VLAT-Project Operations Program***

### ***Water Management Equipment Inventory***

#### **General**

The following information identifies the minimum requirements for plumbing and storage equipment which is required to support the VLAT Service. The equipment identified is to support the provision of water, water injected with foam concentrate, the use of Super absorbent polymers and to provide additional mixing and storage capacity for retardant.

#### **Equipment inventory**

Quantity	Description
4	100,000 litre bladders
6	30,000 litre ISO pods
6	18HP Powermac Trolley pump
12	75mm x 3m F+F Camlock Hard Suction hose
18	64mm x 15m Layflat hose
6	64mm x 7.5m Layflat hose
7	75mm x 10m M+F Camlock Aircraft delivery hose
3	75mm x 5m M+F Camlock Aircraft delivery hose
26	Aircraft delivery hose skates (8 per hose)
4	75mm F+F Camlock Aircraft loading valves
3	75mm M Camlock 'T'
6	64mm elbows
2	75mm inline flow meter
6	64mm Female 5 thread to 75mm Male Camlock
6	64mm Male 5 thread to 75mm Female Camlock

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## Equipment details

Quantity	Description	Purpose
4	100,000 litre bladders	Bulk water storage
4	64mm x 15m Lay-flat hose	To fill bladders
1	75mm x 3m F+F Camlock Hard Suction hose	Suction hose between bladder and pump
1	18HP Powermac Trolley pump	Feed water from bladder farm to water cells
4	64mm x 15m Layflat hose	Feed water from the bladder pump to the water cells
6	64mm x 7.5m Layflat hose (1 per pod)	Feed water from the bladder pump lay-flat to each pod
6	64mm elbows	Feed water into top of pods
6	30,000 litre ISO pods	Bulk water storage
9	75mm x 3m F+F Camlock Hard Suction hose	Suction hose between water cells and Aircraft loading pumps
3	75mm M Camlock 'T'	To pair up pods to a Aircraft loading pump
3	18HP Power-mac Trolley pump	Feed water from water cells to the Aircraft
6	64mm x 15m Layflat hose (2 per line)	Feed water from the Aircraft loading pumps to the Aircraft delivery hose
6	75mm x 10m M+F Camlock Aircraft delivery hose (2 per line)	Feed water from delivery lay-flat hose to the Aircraft
3	75mm x 5m M+F Camlock Aircraft delivery hose (1 per line)	Feed water from delivery lay-flat hose to the Aircraft
24	Aircraft delivery hose skates (8 per hose)	To allow hose to be dragged by one person
3	75mm F+F Camlock Aircraft loading valves	Connects the loading hose to the Aircraft

## Additional equipment

Quantity	Description	Purpose
2	75mm inline flow meter	To measure and record water used
2	18HP Power-mac Trolley pump	Secondary pump to move water from bladder to pods & spare pump
4	64mm x 15m Lay-flat hose	For secondary pump to move water from bladder to pods & spare
2	75mm x 3m F+F Camlock Hard Suction hose	For secondary pump to move water from bladder to pods & spare
1	75mm x 10m M+F Camlock Aircraft delivery hose	Spare
2	Aircraft delivery hose skates	Spare
6	64mm Female 5 thread to 75mm Male Camlock	To adapt lay-flat to camlocks as lay-flat is 5 thread & spares
6	64mm Male 5 thread to 75mm Female Camlock	To adapt lay-lat to camlocks as lay-flat is 5 thread & spares
1	75mm F+F Camlock Aircraft loading valves	Spare

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