

### 3.1 FM-200® CONTAINER AND VALVE ASSEMBLIES

FM-200® systems are configured around a range of container and valve assemblies.

Each basic assembly consists of:

- 1) Container
- 2) Valve
- 3) Syphon tube

Each assembly may be provided with a range of fills to suit the design requirements. After filling, the containers are super-pressurised with dry nitrogen to 25 bar +5% (at a temperature of 20°C).

The maximum filling density for FM-200® is 1.0 kg/litre and the minimum is 0.5 kg/litre.

Dimensions and weights of each assembly are shown in Tables 20, 21 and 22.

Part Number	Container Size (Litres)	Diameter (mm)	Nominal Height to Valve Outlet Dim 'A' (mm)	Tare Weight (kg)	Min FM-200® Weight (kg)	Max FM-200® Weight (kg)	Max Gross Weight (kg)
303.205.002	8	254	300	17.4	4	8	25.4
303.205.003	16	254	499	23.4	8	16	39.4
303.205.004	32	254	831	27.5	16	32	59.5
303.205.012	52	406	593	68.7	26	52	120.7
303.205.013	106	406	1018	88.8	53	106	194.8
303.205.014	147	406	1352	108.8	73.5	147	255.8
303.205.005	180 *	406	1631	128.8	90	180	308.8

**Table 20** Details for Containers Manufactured to EN13322-1 and EC Directive 84/527/EEC

\* The 180 litre container is manufactured to EN14208

Part Number	Container Size (Litres)	Diameter (mm)	Nominal Height to Valve Outlet Dim 'A' (mm)	Tare Weight (kg)	Min FM-200® Weight (kg)	Max FM-200® Weight (kg)	Max Gross Weight (kg)
303.205.026	4.5	178	280	7.7	2.3	4.5	12.2
303.205.015	8	254	300	14.8	4	8	22.8
303.205.016	16	254	499	18.4	8	16	34.4
303.205.017	32	254	831	26.1	16	32	58.1
303.205.018	52	406	593	49.1	26	52	101.1
303.205.019	106	406	1018	71.8	53	106	177.8
303.205.020	147	406	1352	89.9	73.5	147	236.9
303.205.021	180	406	1631	105.8	90	180	285.8
303.205.022	343	610	1466	207	171.5	343	550

**Table 21** Details for Containers Manufactured to DOT 4BW450 or DOT 4BW500

Part Number	Container Size (Litres)	Diameter (mm)	Height to Valve Outlet Dim 'A' (mm)	Tare Weight (kg)	Min FM-200® Weight (kg)	Max FM-200® Weight (kg)	Max Gross Weight (kg)
303.205.030	40	227.2	1352	52.2	20	40	92.2
303.205.031	67.5	265	1526	81.6	33.8	67.5	149.1
303.205.032	80	276	1685	95.3	40	80	175.3

**Table 22** Details for Containers Manufactured to DOT 3AA 580

Containers are painted red as standard.

Containers are fitted with a label, (ordered separately), which provides handling, maintenance and recharge instructions. Part Nos. are as follows:

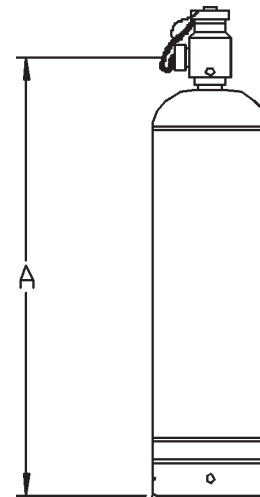
4.5, 8, 16 and 52 litre: 314.205.026  
32, 40 and 67.5 to 343 litre: 314.205.025

All containers are designed for vertical mounting only.

A liquid level indicator may be provided for 106, 147, 180 and 343 litre DOT containers. Part Nos. are as follows:

106 litre: 300.015.127  
147, 180 and 343 litre: 300.015.128

These units are factory fitted and cannot be fitted on site.



**Container and Valve Assembly**  
(Showing Height to Valve Outlet)