

Operation Manual

DMG-501 & 620– Waterbased Paint Dryer System

Important

*Read and follow all instructions and Safety
Precautions before using this equipment*

Description

The DMG-620 Dryer System consists of a stand and 2 DMG-501 Dryer Guns (also available separately). These products have been developed for accelerated drying of waterbased paints, to reduce drying times and increase productivity.

The Dryer uses the Coanda principle, amplifying the airflow through the device from a low input of air into the Handle. A replaceable filter is included to trap any airborne debris from contaminating the paint finish.

The DMG Air Dryer System complies to ATEX regulations **94/9/EC**, protection level; **II 2 G X**, **Suitable for use in Zones 1 and 2.**



Product Specification

DMG-501 Dryer

Max inlet pressure	7 bar
Typical Air consumption	325 litre/min @ 3.5 bar

DMG-520 Stand

Max inlet pressure	7 bar
Hose attachment by QD	



Safety Warnings



Static Electricity can be generated by air passing through hoses. To prevent such a risk, earth continuity to the equipment and the object being sprayed should be maintained. Use conductive hoses and recommended to attach an earth clamp to the stand upright. Check earth continuity with an ohmmeter, Should be less than 1 MΩ.

Never exceed the max. recommended safe working pressure for the equipment.



Never aim the Dryer at anybody. It is recommended that eye protection is worn when using this equipment.



The A-weighted sound level of this product may exceed 85 dB (A) depending on the pressure/airflow being used. Details of actual noise levels are available on request. It is recommended that ear protection is worn at all times when using this equipment.

Installation and Operation

Assembly

1. Fit 4 legs to base (3). Fit lower stand upright into base and tighten with thumbscrew. Fit upper stand upright and tighten with thumbscrew.
2. Fit thumbscrews to arms (6) and slide both arms over upright. Secure with thumbscrew to required height.
3. Assemble clamp assembly 5A and 5B as per the diagrams on P3.
4. Slide clamp assemblies over the arms (6) and secure with thumbscrew.
5. Attach hose (7) to the 2 clamp assemblies.
6. Insert the 2 dryers into the 2 QD's.
7. Make sure the dryer ball valves are turned off, then attach the air supply hose to clamp 5A
8. The Air supply should be filtered, dry and free from oil (as you

would supply to the spraygun). The DeVilbiss range of DVFR Filter/Regulators are recommended for this.

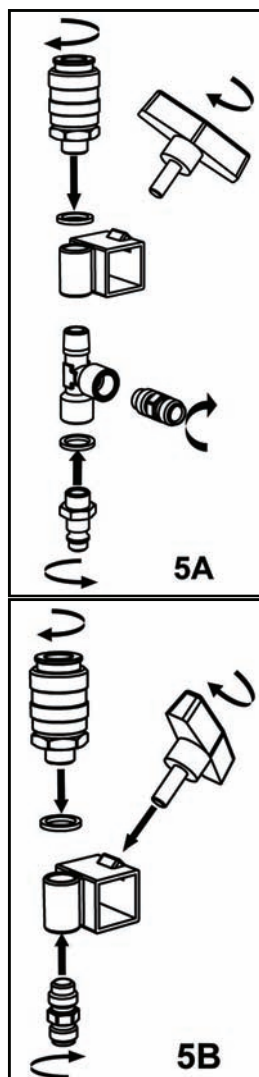
Operation

1. Turn the Dryer Ball Valves to the off position.
2. Turn on air supply. Turn on the Dryer Ball Valves until the required airflow is achieved. If more air is required, increase the pressure at the regulator.

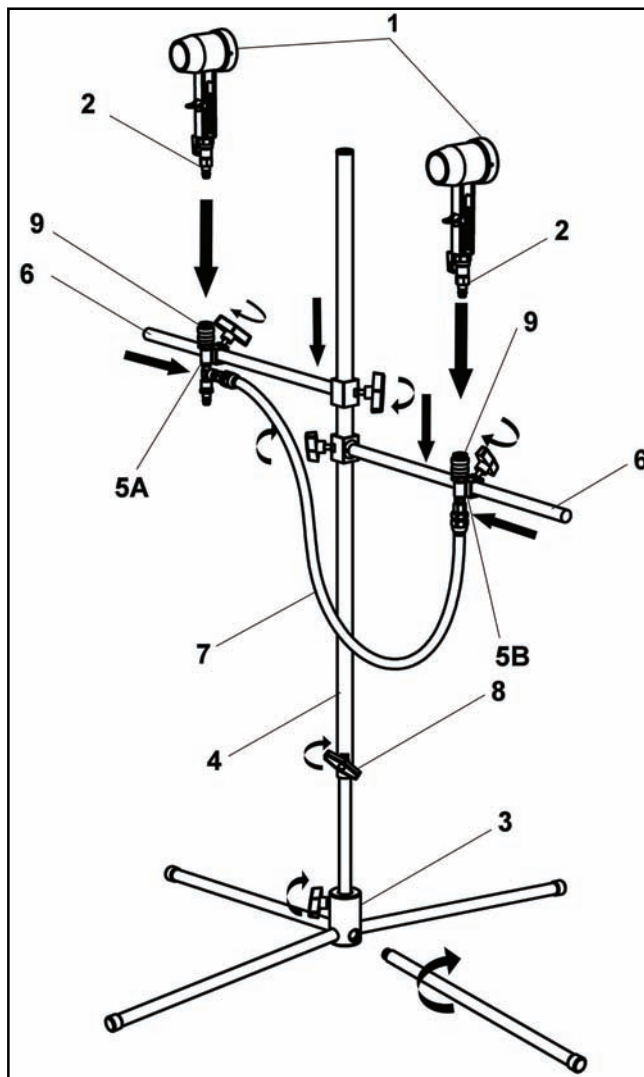
Moving the stand

Grasp the stand and not the dryer gun handles. This will prevent accidentally disengaging the quick-disconnect if the system is pressurised.

Clamp Assemblies



Stand Assembly



Maintenance

The only maintenance required is to ensure the equipment is kept clean and free from paint contamination.

Regularly check the filter. If the filter is blocked it will restrict the airflow and reduce the drying effect. When contaminated, dispose of the filter and use a new replacement. Filters are available in packs of 3, (Part No. DMG-5-K3).

Spare Parts DMG-501-K Air Dryer			
1	Filter pack of 3	DMG-5-K3	1
2	Male QD	MPV-5	1
Spare Parts DMG-520-K Stand Assembly			
3	Stand Base	-	1
4	Stand upright		1
5	Clamp Assembly	-	2
6	Extension Arm	-	2
7	Hose assembly	H-6066-B	1
8	Thumbscrew	-	5
9	Female QD	MPV-424	2

EC Declaration of Conformity

We: **ITW Finishing UK, Ringwood Rd, Bournemouth, Dorset, BH11 9LH, UK**, as the manufacturer of the **DMG Air Dryer System**, declare, under our sole responsibility, that the equipment to which this document relates is in conformity with the following standards or other normative documents:

EN 13463-1:2001, council Directive **94/9/EC** relating to **Equipment and Protective Systems intended for use in Potentially Explosive Atmospheres** protection level II 2 G X.



B. Holt, General Manager
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