



Adhesive Application Solutions | ISO 9001 certified

General Safety Instructions

For Hotmelt Adhesives Supply/Application Units, Rev.6.23

English - Translation of the original instructions (German)



Read all instructions before operating this equipment!

It is the customer's responsibility to have all operators and service personnel read and understand this information. Contact your ITW Dynatec customer service representative for additional copies.



NOTICE:

Please be sure to include the serial number of your application system each time you order replacement parts and/or supplies. This will enable us to send you the correct items that you need.

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Chapter 1

General Safety Instructions

This equipment complies with recognized safety-related rules and regulations. However, it can be dangerous to the life and limb of the personnel working at this equipment.

- Read the manual before installing and using the equipment.
- Heed the safety instructions in the manual and on the equipment.
- Keep the instructions in the manual strictly.
- When handling the equipment, heed the valid accident prevention regulations, as well as all other safety regulations.
- Use the equipment only as intended.
- Do not make any unauthorized modifications or changes to the equipment.
- Use only original spare parts.

1.1 Intended use

- This equipment may only be used for the application of hot melt adhesives.
- Other materials may be used only after consultation with our Technical Department.
- Heed the characteristics of the adhesives used and the specifications of the adhesive manufacturer.
- Never exceed the given working temperature range of adhesives.
- Lower the temperature during longer production breaks, so that the adhesive does not burn.
- Burned adhesive can damage the equipment.
- This equipment may only be operated in perfect condition and in compliance with the operating instructions.
- Occurred errors must be rectified immediately.

1.2 Misuse

This equipment may not be used for the application of acids, solvents, flammable or explosive materials. We assume no liability for any damages resulting from this. The risk is borne solely by the user.

1.3 Modifications and changes to the equipment

Without our permission, you may not make any change to the equipment that could affect the safety of its operation. Use original spare parts and accessories. Only these comply with the specified technical requirements and provide required operational safety. We assume no liability for any damages resulting from use of non-original parts.

Chapter 2

General Instructions

Any person, who installs the equipment, puts into operation, operates, maintains, repairs or disposes it, has to read first these safety instructions, understand and act accordingly.

2.1 What do the symbols mean in this manual and on the equipment?



Attention!
A danger for your life or your health.



Attention, Danger of death due to electric shock!
A danger for your life or your health due to electric shock.



Attention, Pressure!
Risk of injury. The material is pressurized. Wear safety goggles.



Attention, Risk of heavy burns!
Hot surface or adhesive. Wear safety goggles, protective gloves and protective clothing.

2.2 To the safety instructions and the type plate on the equipment

The safety instructions and the type plate have to be always readable and may not be covered. Contaminated or damaged safety instructions and type plate have to be cleaned or replaced immediately.

2.3 Who may operate the equipment?

Only authorized persons who have read and understood the manual respectively who have been instructed by training may operate the equipment.

2.4 Who may install, put into operation, maintain, repair and dispose the equipment?

On the equipment persons may only work who have read and understood the manual and who adhere to the instructions in this manual.

On the mechanical units authorized qualified personnel may only work or personnel supervised by qualified personnel.

On the electrical units authorized qualified electricians may only work or personnel supervised by qualified electricians. Thereby the usual electrical rules and regulations should be adhered.

2.5 Special risk

The hot melt adhesive is heating in the equipment to very high temperatures. In case of contact with the surface of the aggregates or in direct contact with the hot melt adhesive there is acute danger of being burned.

Do not touch the hot melt adhesive and wear during any work on the equipment suitable protective clothing.

2.6 Which protective clothing do you need?



Whenever working on the equipment you must wear protective clothing, safety goggles and heat resistant gloves, except for the operation. Refer to the accident prevention regulations for details.

2.7 First aid for burns with hot melt adhesive

Adhere to the accident prevention regulations VBG 109, First Aid.

The burns with hot melt adhesive pose a particular danger. The liquid hot melt adhesive cures very quickly, however, keeping its high temperature.

This can cause severe burns. In such a case, proceed as follows:

- Cool the affected area immediately with cool, clean water.
- Let the cooled adhesive on the skin.
- Cover the affected area with a clean, wet compress.
- Consult immediately a physician or a medical clinic.

2.8 Installing the equipment

The general accident prevention regulations apply.

On the equipment persons may only work who have read and understood the manual and who adhere to the instructions in this manual.

On the mechanical units authorized qualified personnel may only work or personnel supervised by qualified personnel.

On the electrical units authorized qualified electricians may only work or personnel supervised by qualified electricians. Thereby the usual electrical rules and regulations should be adhered.

Before installation, please note the following:

- Make all aggregates and pressure lines, they are provided for the equipment, pressureless and secure against unauthorized switching-on.
- Let switch off the electrical power supplies of the equipment by qualified personnel, check that the equipment is voltage-free, and secure against unauthorized switching-on.

2.9 Putting the equipment into operation

The general accident prevention regulations apply.
Only authorized and trained qualified personnel or personnel supervised by qualified personnel may put the equipment into operation.
Whenever working on the equipment you must wear protective clothing.
Refer to the accident prevention regulations for details.

Before putting the equipment into operation, please note the following:

- Verify that all pressure connections are mounted firmly and permanently.
- Check all electrical connections for proper contact and permanent fixing.

2.10 Operating the equipment

The general accident prevention regulations apply.
Only persons who have read and understood the manual respectively who have been instructed by training may operate the equipment.

2.11 Maintaining and cleaning the equipment

The general accident prevention regulations apply.
Only authorized qualified personnel or personnel supervised by qualified personnel may maintain and clean the equipment.
Whenever working on the equipment you must wear protective clothing.
Refer to the accident prevention regulations for details.

Before maintaining and cleaning the equipment, please note the following:

- Make all pressure lines and pressure tanks/vessels, they are provided for the equipment, pressureless and secure against unauthorized switching-on.
- Let switch off the electrical power supplies of the equipment by qualified personnel, check that the equipment is voltage-free, and secure against unauthorized switching-on.

2.12 Repairing the equipment

The general accident prevention regulations apply.
Only authorized qualified personnel or personnel supervised by qualified personnel may repair the equipment.
Whenever working on the equipment you must wear protective clothing.
Refer to the accident prevention regulations for details.

Before repairing the equipment, please note the following:

- Make all pressure lines and pressure tanks/vessels, they are provided for the equipment, pressureless and secure against unauthorized switching-on.
- Let switch off the electrical power supplies of the equipment by qualified personnel, check that the equipment is voltage-free, and secure against unauthorized switching-on.

2.13 Disposal of the equipment

When you dispose the equipment, please note the relevant current environmental protection conditions.

2.14 Compressed air supply



CAUTION

- In any case, the air has to be clean and dry!

- The min. requirement for compressed air supply to solenoids to control automatic Applicators is ISO 8573-1:2010 class 2:4:3.

Compressed air quality classes according to ISO 8573-1:2010 class 2:4:3:

ISO 8573-1: 2010	Solid particles				Water		Oil
Class	Maximum number of particles per m³			Mass concentration	Vapor pressure dew point	Liquid	Total oil content (liquid, aerosol and mist)
	0.1-0.5 µm	0.5-1 µm	1-5 µm	mg/m³	°C	g/m³	mg/m³
0	As stipulated by the equipment user, stricter requirements than class 1.						
1	≤ 20,000	≤ 400	≤ 10	-	≤ -70	-	0.01
2	≤ 400,000	≤ 6,000	≤ 100	-	≤ -40	-	0.1
3	-	≤ 90,000	≤ 1,000	-	≤ -20	-	1
4	-	-	≤ 10,000	-	≤ +3	-	5
5	-	-	≤ 100,000	-	≤ +7	-	-
6	-	-	-	≤ 5	≤ +10	-	-
7	-	-	-	5-10	-	≤ 0.5	-
8	-	-	-	-	-	0.5 - 5	-
9	-	-	-	-	-	5 - 10	-
X	-	-	-	> 10	-	> 10	> 10

- The min. requirement for compressed air supply to solenoids to control Adhesive Supply Unit is ISO 8573-1:2010 class 7:4:3.

Compressed air quality classes according to ISO 8573-1:2010 class 7:4:3:

ISO 8573-1: 2010	Solid particles				Water		Oil
Class	Maximum number of particles per m³			Mass concentration	Vapor pressure dew point	Liquid	Total oil content (liquid, aerosol and mist)
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0	As stipulated by the equipment user, stricter requirements than class 1.						
1	≤ 20,000	≤ 400	≤ 10	-	≤ -70	-	0.01
2	≤ 400,000	≤ 6,000	≤ 100	-	≤ -40	-	0.1
3	-	≤ 90,000	≤ 1,000	-	≤ -20	-	1
4	-	-	≤ 10,000	-	≤ +3	-	5
5	-	-	≤ 100,000	-	≤ +7	-	-
6	-	-	-	≤ 5	≤ +10	-	-
7	-	-	-	5-10	-	≤ 0.5	-
8	-	-	-	-	-	0.5 - 5	-
9	-	-	-	-	-	5 - 10	-
X	-	-	-	> 10	-	> 10	> 10

