

## Technical Bulletin: Proper Hose Handling and Installation

27 September 2018

Channel Partners,

ITW Dynatec has recently seen increased instances of hose malfunction and thermal events due to non-compliant hose handling and installation. These instances have come from channel partners with many years of experience with Dynatec products.



If proper hose handling and installation processes are not followed, then that product **will not be covered under ITW Dynatec's warranty.**

### Action Requested:

- Review the information below regarding proper hose installation. This information can be found in each hose product manual. The most up-to-date product manuals can be downloaded at any time from [www.itwdynatec.com](http://www.itwdynatec.com)
- Confirm that your company's hose handling and installation processes are in compliant.
  - **NO** cinch ties of any kind should be used
  - Dynatec offers multiple hose installation products for proper installation:
    - Hose Balancer Kit (PN: 084F440)
    - Hose Supports (PN: 113342)
    - Hose Fittings - 45° (PN: N07831) and 90° (PN: N07830)
- If not currently compliant, please re-train your technical staff on the correct process. If additional training assistance is needed, please contact your Channel Manager.

Please contact ITW Dynatec Customer Service at [parts@itwdynatec.com](mailto:parts@itwdynatec.com) with any questions.

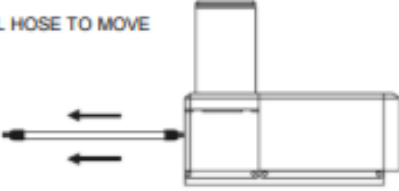
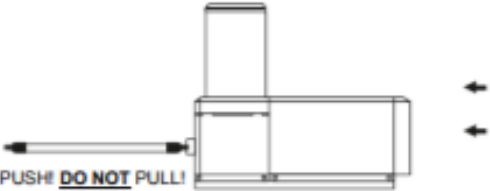
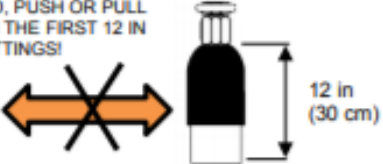



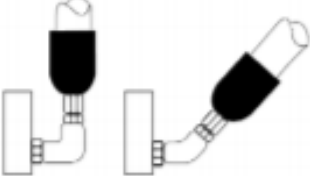

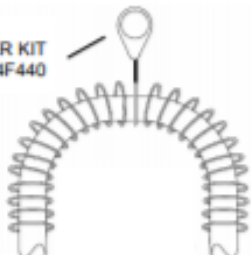




Best Regards,  
**ITW Dynatec**

ITW Dynatec is a global company that designs and manufactures a full range of hot melt applications for the disposable hygiene products, coating and laminating, and packaging industries worldwide. The company's state-of-the-art technology is backed by a worldwide network of industry-leading customer service and support. For more information, visit [www.itwdynatec.com](http://www.itwdynatec.com).

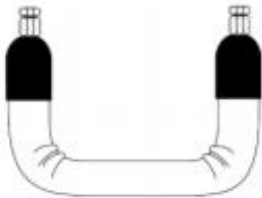
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## Hose Installation and Handling Guidelines

Hose failure due to below listed "Wrong" practices will void hose warranty!

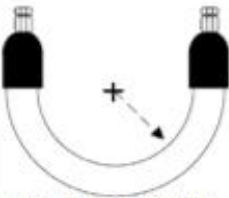
WRONG	CORRECT
<p><b>DO NOT</b> PULL HOSE TO MOVE UNIT!</p> 	 <p>PUSH! <b>DO NOT</b> PULL!</p>
<p><b>DO NOT</b> BEND, PUSH OR PULL HOSE WITHIN THE FIRST 12 IN (30 cm) OF FITTINGS!</p>  <p>12 in (30 cm)</p>	
<p><b>DO NOT</b> USE ONLY ONE WRENCH TO ADJUST FITTINGS!</p> 	 <p><b>ALWAYS</b> USE TWO WRENCHES TO ADJUST FITTINGS.</p>
 <p><b>DO NOT</b> BEND OR CRIMP HOSE BEYOND MINIMUM BEND RADIUS!</p>	 <p>USE 45° HOSE FITTING (PN N07831) OR 90° HOSE FITTING (PN N07830) TO BEND HOSE.</p>
 <p><b>DO NOT</b> HANG HOSE WITHOUT SUPPORT!</p>	<p>HOSE BALANCER KIT PN 084F440</p>  <p>USE HOSE SUPPORT WITH HOSE BALANCER KIT TO HANG HOSE.</p>
 <p><b>DO NOT</b> CLAMP, SQUEEZE OR TIE HOSES!</p>	<p>USE HOSE SUPPORTS (5-pack is PN 113342)</p> 
<p><b>DO NOT</b> SQUEEZE, PRESS OR TIE HOSES TOGETHER!</p> 	<p>ALLOW 1/2" MINIMUM SPACE BETWEEN HOSES.</p> 

WRONG



DO NOT FLEX HOSES WHEN COLD!

CORRECT



ALLOW HOSES TO HEAT UP BEFORE FLEXING!

The minimum bend radius should be as follows:

Hose	Hose Core	Bend Radius
#6	.313/ DN8	8in/ 20cm
#8	.406/ DN10	10in/ 25cm
#12	.625/ DN16	11in/ 28cm
#16	.875/ DN20	14in/ 36cm
#24	1.375/ DN32	15in/ 38cm



## CAUTION

- **DO NOT** attempt to turn the fitting on a hose with cold, non-melted adhesive inside; the hose core may be damaged.
- **DO NOT** allow hoses to come into contact with any liquids. If a hose becomes wet, it should be replaced immediately. (Washdown hoses are not subject to this requirement unless the waterproof sleeve is damaged.)
- **DO NOT** allow hoses to lay on cold surfaces as this may impede glue flow, cause a hose to operate above its temperature set point and reduce the efficiency and life of a hose.
- **DO NOT** allow hoses to be exposed to surfaces that may cause abrasive wear. If a hose shows abrasive wear, it may have internal damage that may result in erratic operation, injury and damage to equipment due to exposed electrical wires, burning or fire.
- **Failure to follow installation and handling guidelines WILL void the hose warranty, reduce the life of the hose and may result in injury and damage to equipment resulting from char, burning or fire.**