BF Mod-Plus Marathon™ - Adhesive Applicator

The BF MOD-PLUS MARATHON™ adhesive applicator is an air-operated, single or multi-orifice hot melt adhesive applicator assembly with an integrated filter cartridge which prevents particulate matter from obstructing flow through the nozzle orifice. The Marathon’s™ screw-on nozzle seat allows for fast and easy nozzle change, and the optional stroke adjustment allows for fine-tuning of optimum adhesive cut-off at the nozzle tip.

**BF Mod-Plus Marathon™ Applicator:**
- Standard air open/air close module provides positive shut-off and on-cycle
- Platinum sensor provides better temperature control over nickel sensors
- Compatible with most competitive configurations
- Water resistant optional
- Built-in, heated filter has the largest surface area on the market, resulting in longer filter life and less nozzle clogging

**Reliability**
Air open/air close standard gives clean, sharp cut-off every time.

**Performance**
Built-in, heated filter better maintains a clean nozzle orifice.

**Simplicity**
Easy-to-remove module body saves time during module changes.

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**The Dynatec Difference...**

Air open/air close standard

Over time, adhesive applicator modules that use an air open/spring close system can lose spring tension, resulting in stringing and poor cut-offs. The BF Mod-Plus Marathon™ applicator module is designed to operate as an air open/air close system that does not rely on a spring to close the orifice during operation. The result is both cleaner cut-off and better operation over a longer operating lifespan. While this feature may be optional on competitive modules, only ITW Dynatec offers this feature standard on the BF Mod-Plus Marathon™ adhesive applicator.
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<table>
<thead>
<tr>
<th>System</th>
<th>BF Mod-Plus Marathon™</th>
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<tbody>
<tr>
<td>Operating Temperature Range</td>
<td>38°C to 218°C (100°F to 425°F)</td>
</tr>
<tr>
<td>Minimum Operating Pneumatic Pressure</td>
<td>5 bar (74 psi)</td>
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<tr>
<td>Maximum Operating Pneumatic Pressure</td>
<td>9.7 bar (140 psi)</td>
</tr>
<tr>
<td>Minimum Adhesive Pressure</td>
<td>41 bar (600 psi)</td>
</tr>
<tr>
<td>Maximum Adhesive Pressure</td>
<td>68 bar (1,000 psi)</td>
</tr>
<tr>
<td>Minimum Adhesive Viscosity</td>
<td>None</td>
</tr>
<tr>
<td>Maximum Adhesive Viscosity</td>
<td>20,000 cps</td>
</tr>
<tr>
<td>Maximum On/Off Cycle Speed</td>
<td>5,000 cycles/minute</td>
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* Specifications are based on 1,000 cps adhesive

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<tr>
<th>Dimensions</th>
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<tr>
<td>Height (H)</td>
<td>96.1 mm (3.78 in)</td>
</tr>
<tr>
<td>Depth (D)</td>
<td>81.0 mm (3.19 in)</td>
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<tr>
<td>Width (W)</td>
<td>44 mm (1.73 in)</td>
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More Filter - Less Clogging

- Over 6 times the surface area of competitive standard filters.
- Longer filter life and less nozzle clogging over competitive standard filters.
- Built-in filter is heated for better adhesive temperature control.
- Built-in filter purge valve for easy back flushing further increases filter life and reduces nozzle clogging issues.

Competitive Filter

BF Filter

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BF Filter

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