The FLUX mixing pump F 426

You want to mix and pump liquids within a closed drum or an open container.

By turning the adjusting lever, the pump can either mix or pump. Liquids can also be mixed even when being transferred to another container.

Special advantages:
- No changes in the outer diameter of the pump tube in stainless steel as the pump works without any additional components
- Light and handy design
- Pump/drum connection glands are also in vapour-proof version available

Here the FLUX mixing pump is the right pump for you.
FLUX drum pumps in stainless steel

FLUX drum pumps in stainless steel 316 Ti – except sanitary pump F 427 S – are approved according to ATEX-Directive 94/9/EC for use in Zone 0, temperature class T4, for transferring highly flammable liquids out of portable drums or containers.

With the help of the performance charts you can compare the delivery rates achieved by each pump model powered by the various FLUX motors. Detailed motor data are shown on pages 21 to 29.

When using the pump with a discharge hose (of approx. 6.5 ft) and a quick action tap, the delivery rate will be approx. 18 GPM. Depending on the motor type a 55 GAL drum can be emptied within 3 – 4 minutes. The delivery rates shown in the performance charts are obtained at the outlet connection of the pump.

Special version for horizontal use on request.

This pump version will achieve a higher delivery rate!

This pump version will achieve a higher delivery head!

Max. viscosity per pump and motor, please see pages 28 and 29.

<table>
<thead>
<tr>
<th>motor FBM 4000 Ex</th>
<th>motor F 416 Ex, F 416-1 Ex or F 416-2 Ex</th>
<th>motor FEM 4070</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Performance chart for FBM 4000 Ex" /></td>
<td><img src="image2" alt="Performance chart for F 416 Ex, F 416-1 Ex or F 416-2 Ex" /></td>
<td><img src="image3" alt="Performance chart for FEM 4070" /></td>
</tr>
</tbody>
</table>

Detailed motor data see pages 21 to 29.
### Motor Models

**Motor F 458-1 or F 460-1 Ex**

Values ± 10% with water (68 °F) and a voltage of 230 Volt. Curves with a voltage of 120 Volt / 60 Hz are similar.

### Drum Pump

**Drum Pump (tube set) in stainless steel, thread on outlet G 1¼ male, motors on page 21**

<table>
<thead>
<tr>
<th>Type/Curve</th>
<th>FP 424 Ex S-43/38</th>
<th>FP 424 Ex S-43/37 Z</th>
<th>FP 424 Ex S-50/45 Z</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seal Type</td>
<td>sealless within the liquid section</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Material</td>
<td>shaft in stainless steel 316 Ti, impeller in ETFE, o-ring in FKM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. Temperature</td>
<td>212 °F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outer Ø</td>
<td>1 1/16˝</td>
<td>1 1/16˝</td>
<td>2˝</td>
</tr>
<tr>
<td>Part No. / Weight</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Immersion Length 27”**
  - 424 22 007 / 4.85 lbs
  - 424 22 107 / 6.61 lbs
  - 424 22 207 / 8.81 lbs

- **Immersion Length 39”**
  - 424 22 010 / 6.39 lbs
  - 424 22 110 / 8.37 lbs
  - 424 22 210 / 10.6 lbs

- **Immersion Length 47”**
  - 424 22 012 / 7.27 lbs
  - 424 22 112 / 9.7 lbs
  - 424 22 212 / 12.6 lbs

<table>
<thead>
<tr>
<th>Type/Curve</th>
<th>FP 425 Ex S-41/34</th>
<th>F 426 S-41/38</th>
<th>F 427 S-43/38</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version</td>
<td>99.98% drum emptying</td>
<td>mixing pump</td>
<td>sanitary pump</td>
</tr>
<tr>
<td>Seal Type</td>
<td>mechanical seal in ceramic oxide, PTFE/carbon, o-rings in FKM</td>
<td>sealless within the liquid section</td>
<td>sealless within the liquid section</td>
</tr>
<tr>
<td>Material</td>
<td>shaft in stainless steel 316 Ti, impeller in ETFE</td>
<td>shaft in stainless steel 316 Ti, impeller in ETFE</td>
<td>shaft in stainless steel 316 Ti, impeller in ETFE, o-ring in FKM</td>
</tr>
<tr>
<td>Max. Temperature</td>
<td>212 °F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outer Ø</td>
<td>1 1/16˝</td>
<td>1 1/16˝</td>
<td>1 1/8˝</td>
</tr>
<tr>
<td>Part No. / Weight</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Immersion Length 27”**
  - 425 22 008 / 6.61 lbs

- **Immersion Length 39”**
  - 425 22 011 / 8.37 lbs

- **Immersion Length 47”**
  - 425 22 013 / 9.7 lbs

<table>
<thead>
<tr>
<th>Type/Curve</th>
<th>F 430 S-41/38</th>
<th>F 430 S-41/37 Z</th>
<th>F 430 S-50/45 Z</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seal Type</td>
<td>mechanical seal in ceramic oxide, PTFE/carbon, o-rings in FKM</td>
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<td></td>
<td></td>
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<td>Max. Temperature</td>
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<td></td>
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</tr>
<tr>
<td>Part No. / Weight</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Immersion Length 27”**
  - 430 22 107 / 5.29 lbs

- **Immersion Length 39”**
  - 430 22 110 / 6.61 lbs

- **Immersion Length 47”**
  - 430 22 112 / 7.93 lbs

### Accessories

- **Hose Connection Complete with Nut G 1 1/4 Female**
  - DN 19 part no. 959 04 061
  - DN 25 part no. 959 04 041

Pump models in immersion lengths of 8 – 118” (in steps of 4”) on request. 2 Model for higher delivery head on request.
Bemerkung:
Bei Montage von Motor und Pumpe reduziert sich die Gesamthöhe um 16 mm

Note:
With motor and pump assembled, the total length reduces by 16 mm

Nota:
La hauteur totale se réduit de 16 mm lorsque le moteur est monté sur la pompe

<table>
<thead>
<tr>
<th>Eintauchtiefe / Immersion length</th>
<th>a</th>
<th>b</th>
<th>c</th>
<th>d</th>
<th>e</th>
</tr>
</thead>
<tbody>
<tr>
<td>1500</td>
<td>1606</td>
<td>1681</td>
<td>1318</td>
<td>502</td>
<td>352</td>
</tr>
<tr>
<td>1200</td>
<td>1306</td>
<td>1381</td>
<td>1218</td>
<td>352</td>
<td>202</td>
</tr>
<tr>
<td>1000</td>
<td>1106</td>
<td>1181</td>
<td>1018</td>
<td>352</td>
<td>202</td>
</tr>
</tbody>
</table>

05/2005 FLUX-GERÄTE GMBH D-75433 Maulbronn 42680004
It is not merely the pump that makes the FLUX solution a perfect equipment. On this page you will find a general view on the explosion-proof FLUX drum pump together with all accessories for transferring highly flammable liquids. With all items in bold printing you will have a ready to use pump assembly, which may be completed by other accessories shown on this page.

1. drive motor
2. drum pump (pump tube set)
3. FLUX-clip
4. suction strainer
5. compression gland
6. fume gland type FES
7. flexible hose*
8. swaged hose fittings*
9. quick action tap
10. discharge spout
11. liquid meter
12. connecting piece FMC 100
13. carrying handle
14. earth (ground) wire
15. explosion-proof plug
16. explosion-proof socket
17. wall bracket

* On request also available completely mounted and tested for electrical conductivity.
general view FLUX drum and container pump with accessories for non-flammable liquids

It is not merely the pump that makes the FLUX solution a perfect equipment. On this page you will find a general view on the FLUX drum pump together with all accessories for transferring non-flammable liquids. With all items in bold printing you will have a ready to use pump assembly, which may be completed by other accessories shown on this page.

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2 drum pump (pump tube set)
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7 hose connection
8 flexible hose*
9 hose clip
10 quick action tap
11 discharge spout
12 liquid meter
13 carrying handle
14 quick action coupling type SSK 400
15 attachment clamp
16 wall bracket