M45 Dosing and mixing unit

Quote
Request current prices: em@pu-technik.ch
Date:

Quote for:

Person responsible:

Application / Requirement / Material:
Material A/B
Material type
Requirements

Equipment proposal
Option worth considering

M 45 2-C standard system

Precision gear pump with continuous material discharge, electrical motor drive 230 V adjustable with a frequency converter.
Mixing ratio approx. 1:1 to 10:1 with a continuous Variomatic and pump sizes.
Shot sizes from approx. 0.2 g to approx. 5.5 kg/min. possible. (Options up to approx. 7 kg/min.)
PLC control system with integrated logic/frequency converter control drive motor
Pot timer monitor with alarm/automatic flushing programs/safety functions/system-compressed air
Shot-time timer, step-potentiometer for setting discharge capacity
Frequency converter display in operation
24 V control system/keys: Flush - Blow - Timer on/off - Alarm light - Horn

Standard equipment

<table>
<thead>
<tr>
<th>Material A/B</th>
<th>Material type</th>
<th>Requirements</th>
</tr>
</thead>
</table>

Standard-dosing unit

Dosing unit with the marked options
<table>
<thead>
<tr>
<th>Options</th>
<th>SFr.</th>
<th>SFr.</th>
<th>Euro</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Material tanks</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 60 l stainless steel material tank for hardeners with cover - red</td>
<td>Additional charge</td>
<td></td>
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<tr>
<td>2 60 l stainless steel material tank for hardeners with cover - red</td>
<td>Additional charge</td>
<td></td>
<td></td>
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<tr>
<td>3 60 l stainless steel material tank with cover red/blue</td>
<td>Additional charge</td>
<td></td>
<td></td>
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<tr>
<td>4 40 l stainless steel material tank with cover red/blue</td>
<td>Unit price</td>
<td></td>
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<tr>
<td>5 10 l stainless steel material tank with cover red/blue</td>
<td>Unit price</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 18 l stainless steel material tank rubberised/flushing agent</td>
<td>Unit price</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 5 l stainless steel material tank rubberised</td>
<td>Unit price</td>
<td></td>
<td></td>
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<tr>
<td>8 <strong>Heating jacket</strong> with mechanical thermostat</td>
<td>Unit price</td>
<td></td>
<td></td>
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<tr>
<td>40+60 l same diameter/ 800 W/230 V</td>
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<tr>
<td>9 <strong>Pneumatic stirrer</strong>, on the cover with coupling/shaft</td>
<td>Additional charge</td>
<td></td>
<td></td>
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<tr>
<td>40+60 l possible, with stainless steel shaft + stirrer</td>
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<td></td>
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<tr>
<td>Control box compressed air connection with ball valves to speed control</td>
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<td></td>
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<tr>
<td>10 <strong>230 V Electrical stirrer</strong></td>
<td>Additional charge</td>
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<tr>
<td>Gear motor with standard speed</td>
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<tr>
<td>Helical gear units 10:1 for high torque</td>
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<tr>
<td>Endurance runner</td>
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<td></td>
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<tr>
<td>On/off switch socket strip</td>
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<td></td>
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<tr>
<td>11 <strong>Additional frame</strong> on the left side or/ right side prepared</td>
<td>Additional charge</td>
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</tr>
<tr>
<td>For holding a 40 l material tank</td>
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<tr>
<td>Check wheel arrangement, is sideways movement necessary?</td>
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<tr>
<td>Standard frame max. 2 additional tanks possible</td>
<td></td>
<td></td>
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<tr>
<td>12 <strong>3-Way valves</strong> for inlet switching</td>
<td>Additional charge</td>
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<tr>
<td>Mounted before the pump, 1/2 inch ball valves</td>
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<tr>
<td>13 <strong>Drain valve</strong> before the pump</td>
<td>Additional charge</td>
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<tr>
<td>Easy material change possible under system pressure</td>
<td></td>
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<tr>
<td>14 <strong>Desiccant cartridge</strong> with blue gel (can be regenerated)</td>
<td>Additional charge</td>
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<tr>
<td>In system pressure hardener with humid compressed air</td>
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<tr>
<td>Small model with transparent sight glass</td>
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<tr>
<td>15 <strong>Gas loading connection</strong> with needle valve</td>
<td>Additional charge</td>
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<tr>
<td>for 40+60 l pressure tanks on the floor</td>
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<tr>
<td>Order stirrer separately! (necessary)</td>
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<tr>
<td>Connection for air or gases (N2 etc.)</td>
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<tr>
<td>16 <strong>Vacuum connection</strong> 3-way valve cover</td>
<td>Additional charge</td>
<td></td>
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<tr>
<td>Evacuation permitted (stirring necessary) afterwards</td>
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<tr>
<td>Switchover to system pressure</td>
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<tr>
<td>Vacuum pump separately necessary (sep. request)</td>
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<tr>
<td>17 <strong>Minimal level warning</strong> with sensor</td>
<td>Additional charge</td>
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<tr>
<td>Display with lamp + beeper at a residual quantity of approx. 5-10 kg</td>
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<tr>
<td>Components A</td>
<td>Additional charge</td>
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<tr>
<td>Components B</td>
<td>Additional charge</td>
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</tbody>
</table>
Control box

18 **Speed display pumps A+B**
- Rapid restoring of the MR
- Easy material change
- With sensors + displays A+B

19 **Thermostat electronic**
- Regulation of the hose heating
- Sensor Fe-K in the hose package
- Heating capacity 35 W/m for 2.5 m

20 **Robot connection**
- Socket to connect the machine commands
- When automating (both operating modes possible!)

**Complete control system**
- According to the explanation on page 1 “M 45 2-C Standard system”

Precision pumps

21 **Internal gear pumps**
- Components A: Sizes: BP/BM/BGPP/BGP/BGM/BGG
- Components B: Sizes: BP/BM/BGPP/BGP/BGM/BGG

22 **High-precision pumps**
- Components A: Sizes 0.1/0.3/0.6/1.2/2.4
- Components B: Sizes 0.1/0.3/0.6/1.2/2.5

Mixers

23 **M 50 dynamic mixer (4-cell)** with air motor drive*
- Compact mixer for all products
- Ideal for a discharge of 0.5-6 kg/min.

24 **M 10 dynamic mixer** with air motor drive*
- Mini construction form for all products (4-cell mixing chamber)
- Ideal discharge 0.2 g - ca. 1.5 kg/min.

25 **M-Static mixer** for the use of mounted*
- Static mixing tubes (various versions available)
- With flushing valve for flushing the mixing tube

26 M50 replacement mixer
27 M10 replacement mixer
28 M-Static replacement mixer

29 **Withdrawal device “Anti-drip”** for M-Static only
- Special M-Static body no. 1a necessary!
- Withdrawal quantity adjustable

30 **Discharge toggle switch small-large** on the handle
- Two adjustable discharge capacities, switchable

31 **Blow-flush** on the handle with keys

32 **Air addition M 50 / M10 mixers**
- Air loading foams/ spray coatings
- Standard M 50 only

Hose packages

33 **Standard hose package 2.5 m**
- Component hoses steel-Teflon
- Flexible PUR air hose

34 **Hose package length = 5 m unheated**

35 **Hose package 10 m unheated**

36 **Hose package 20 m unheated**

37 **Hose package 2.5 m heated**
- 5 m heated
- 10 m heated
- 20 m heated

( Including thermostat sep. or control box)
Recirculation manual with 3-way valves Additional charge
on the mixer + return flow lines + ON-OFF
Additional charge to hose package Pos. 30-33

Recirculation automatic Additional charge
pneum. ball valves as toggle switch
Switch ON-OFF
Additional charge to hose package Pos. 30-33

Automatic agitating Tank A Additional charge
Built-in programmable time switch
Also possible if system is shut down
Selection switch
(Anti-settling version)
Version pneumatic or electrical stirrer

Foot pedal with cable (pluggable on the control box) Additional charge

Automatic refilling please request a separate quote

Technical centre trials Additional charge
We offer a test at the technical centre and document
together if possible with original material sample
Is charged upon purchase
Expected outlay 1 day incl. photo-video-sample parts + report

Training of operating personnel (languages DE-EN-FR in the factory) Free of charge

Training of operating personnel at the customer According to outlay

Anticipated delivery time 4-6 weeks
Options: Special extensions
Costs according to outlay
Tell us your wishes / ideas with............

System price with all options

Price ex works Bremgarten without taxes/transport/packaging
Guarantee: 1 year
Spare parts set in the box
Operating instructions on USB stick
Spare parts list of the systems + www.2k-dosieranlagen.ch with all parts lists
Hotline by telephone, email or via Skype by arrangement
References available
Spare parts are generally in stock/prompt shipment Standard UPS (Parcel account or SwissPost international)

We would be pleased to receive an order!