

# 1 Specifications VMS

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Offer no.:

Technical Consultant:

Phone.:

Plant:

Type no.:

Offer no.:

Configure like serial no.<sup>1)</sup>:

Configure like LAMTEC order no.<sup>1)</sup>:

|             |  |                                    |   |  |
|-------------|--|------------------------------------|---|--|
| Firing-rate | <input type="checkbox"/> 0...20 mA   | <input type="checkbox"/> 4...20 mA | <input type="checkbox"/> 0...20 mA<br>with 24 V power supply from VMS<br>(option at extra cost) | <input type="checkbox"/> 4...20mA<br>with 24 V power supply from VMS<br>(option at extra cost) |
|             | <input type="checkbox"/> TPS <input type="checkbox"/> potentiometer <input type="checkbox"/> integrated burner firing-rate controller (to define in the options) |                                    |   |  |

| Channel                                      | Function  | Output  | Feedback   | Correction 1  | Correction 2                      |
|--|---|---|--|---|-----------------------------------|
| Channel 1                                    | <input type="checkbox"/> OFF                    | <input type="checkbox"/> TPS <sup>2)</sup>  | <input type="checkbox"/> potentiometer   | <input type="checkbox"/> 0...20mA   | <input type="checkbox"/> 0...20mA |
|  | <input type="checkbox"/> recirculation          | <input type="checkbox"/> 0...20mA   | <input type="checkbox"/> 0...20mA  | <input type="checkbox"/> 4...20mA   | <input type="checkbox"/> 4...20mA |
|  | <input type="checkbox"/> fuel:_____             | <input type="checkbox"/> 4...20mA   | <input type="checkbox"/> 4...20mA  |   |                                   |
|  | <input type="checkbox"/> air:_____              |   | <input type="checkbox"/> 0...20mA<br>24V supply from VMS<br>(option at extra cost)                                   | <input type="checkbox"/> internal<br>O <sub>2</sub> controller<br>663 R 0030<br>(option at extra<br>cost, if no<br>LAMTEC<br>measuring<br>system is in use) |                                   |
|  | <input type="checkbox"/> fan:_____              |   | <input type="checkbox"/> 4...20mA<br>24V supply from VMS<br>(option at extra cost)                                   |   |                                   |
|  | <input type="checkbox"/> flue gas <sup>5)</sup> |   | <input type="checkbox"/> r.p.m. sensor<br><input type="checkbox"/> 2-wire (Namur)<br><input type="checkbox"/> 3-wire | <input type="checkbox"/> internal<br>CO controller<br>663 R 1030<br>(option at extra<br>cost)   |                                   |
|  | <input type="checkbox"/> mechanical compound    |   | r.p.m. survey range :  |   |                                   |
| <input type="checkbox"/> steam <sup>6)</sup> |   | <input type="checkbox"/> 300 - 3600 pulse/Min <sup>3)</sup><br><input type="checkbox"/> 600 - 7200 pulse/Min <sup>4)</sup><br><input type="checkbox"/> 30 - 300 pulse/Min<br><input type="checkbox"/> 60 - 600 pulse/Min<br><input type="checkbox"/> 175 - 4200 pulse/Min<br><input type="checkbox"/> 355 - 8430 pulse/Min<br><input type="checkbox"/> 15 - 440 pulse/Min<br><input type="checkbox"/> 45 - 1320 pulse/Min |  |   |                                   |

<sup>1)</sup> with this information you must not complete the form. The required information will be found in the above mentioned serial number or LAMTEC order number.

<sup>2)</sup> only potentiometer feedback available with output TPS

<sup>3)</sup> recommended for 1 pulse/revs

<sup>4)</sup> recommended for 2 pulses/revs

<sup>5)</sup> channel opens completely with start of the burner and remains at this position while ignition is completed

<sup>6)</sup> functioning same as fuel channel; but remains closed during pre-ventilation

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| Channel                                      | Function  | Output                                     | Feedback   | Correction 1  | Correction 2                      |
|--|---|--|--|---|-----------------------------------|
| Channel 2                                    | <input type="checkbox"/> OFF                    | <input type="checkbox"/> TPS <sup>2)</sup> | <input type="checkbox"/> potentiometer   | <input type="checkbox"/> 0...20mA   | <input type="checkbox"/> 0...20mA |
|  | <input type="checkbox"/> recirculation          | <input type="checkbox"/> 0...20mA          | <input type="checkbox"/> 0...20mA  | <input type="checkbox"/> 4...20mA   | <input type="checkbox"/> 4...20mA |
|  | <input type="checkbox"/> fuel_____              | <input type="checkbox"/> 4...20mA          | <input type="checkbox"/> 4...20mA  |   |                                   |
|  | <input type="checkbox"/> air:_____              |  | <input type="checkbox"/> 0...20mA<br>24V supply from VMS<br>(option at extra cost)   | <input type="checkbox"/> internal<br>O <sub>2</sub> controller<br>663 R 0030<br>(option at extra<br>cost, if no<br>LAMTEC<br>measuring<br>system is in use) |                                   |
|  | <input type="checkbox"/> fan:_____              |  |  |   |                                   |
|  | <input type="checkbox"/> flue gas <sup>5)</sup> |  | <input type="checkbox"/> 4...20mA<br>24V supply from VMS<br>(option at extra cost)   |   |                                   |
|  | <input type="checkbox"/> mechanical compound    |  |  |   |                                   |
| <input type="checkbox"/> steam <sup>6)</sup> |   |  | <input type="checkbox"/> r.p.m. sensor<br><input type="checkbox"/> 2-wire (Namur)<br><input type="checkbox"/> 3-wire<br><br>r.p.m. survey range :<br><input type="checkbox"/> 300 - 3600 pulse/Min <sup>3)</sup><br><input type="checkbox"/> 600 - 7200 pulse/Min <sup>4)</sup><br><input type="checkbox"/> 30 - 300 pulse/Min<br><input type="checkbox"/> 60 - 600 pulse/Min<br><input type="checkbox"/> 175 - 4200 pulse/Min<br><input type="checkbox"/> 355 - 8430 pulse/Min<br><input type="checkbox"/> 15 - 440 pulse/Min<br><input type="checkbox"/> 45 - 1320 pulse/Min | <input type="checkbox"/> internal<br>CO controller<br>663 R 1030<br>(option at<br>extra cost)   |                                   |

<sup>2)</sup> only potentiometer feedback available with output DPS

<sup>3)</sup> recommended for 1 pulse/revs

<sup>4)</sup> recommended for 2 pulses/revs

<sup>5)</sup> channel opens completely with start of the burner and remains at this position while ignition is completed

<sup>6)</sup> functioning same as fuel channel; but remains closed during pre-ventilation

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| Channel   | Function  | Output                                     | Feedback   | Correction 1  | Correction 2                      |
|-----------|---|--|--|---|-----------------------------------|
| Channel 3 | <input type="checkbox"/> OFF                    | <input type="checkbox"/> TPS <sup>2)</sup> | <input type="checkbox"/> potentiometer   | <input type="checkbox"/> 0...20mA   | <input type="checkbox"/> 0...20mA |
|           | <input type="checkbox"/> recirculation          | <input type="checkbox"/> 0...20mA          | <input type="checkbox"/> 0...20mA  | <input type="checkbox"/> 4...20mA   | <input type="checkbox"/> 4...20mA |
|           | <input type="checkbox"/> fuel_____              | <input type="checkbox"/> 4...20mA          | <input type="checkbox"/> 4...20mA  |   |                                   |
|           | <input type="checkbox"/> air:_____              |  | <input type="checkbox"/> 0...20mA<br>24V supply from VMS<br>(option at extra cost)   | <input type="checkbox"/> internal<br>O <sub>2</sub> controller<br>663 R 0030<br>(option at extra<br>cost, if no<br>LAMTEC<br>measuring<br>system is in use) |                                   |
|           | <input type="checkbox"/> fan:_____              |  |  |   |                                   |
|           | <input type="checkbox"/> flue gas <sup>5)</sup> |  | <input type="checkbox"/> 4...20mA<br>24V supply from VMS<br>(option at extra cost)   |   |                                   |
|           | <input type="checkbox"/> mechanical compound    |  |  |   |                                   |
|           | <input type="checkbox"/> steam <sup>6)</sup>    |  | <input type="checkbox"/> r.p.m. sensor<br><input type="checkbox"/> 2-wire (Namur)<br><input type="checkbox"/> 3-wire<br><br>r.p.m. survey range :<br><input type="checkbox"/> 300 - 3600 pulse/Min <sup>3)</sup><br><input type="checkbox"/> 600 - 7200 pulse/Min <sup>4)</sup><br><input type="checkbox"/> 30 - 300 pulse/Min<br><input type="checkbox"/> 60 - 600 pulse/Min<br><input type="checkbox"/> 175 - 4200 pulse/Min<br><input type="checkbox"/> 355 - 8430 pulse/Min<br><input type="checkbox"/> 15 - 440 pulse/Min<br><input type="checkbox"/> 45 - 1320 pulse/Min | <input type="checkbox"/> internal<br>CO controller<br>663 R 1030<br>(option at<br>extra cost)   |                                   |

<sup>2)</sup> only potentiometer feedback available with output DPS

<sup>3)</sup> recommended for 1 pulse/revs

<sup>4)</sup> recommended for 2 pulses/revs

<sup>5)</sup> channel opens completely with start of the burner and remains at this position while ignition is completed

<sup>6)</sup> functioning same as fuel channel; but remains closed during pre-ventilation

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| Channel   | Function  | Output                                     | Feedback   | Correction 1  | Correction 2                      |
|-----------|---|--|--|---|-----------------------------------|
| Channel 4 | <input type="checkbox"/> OFF                    | <input type="checkbox"/> TPS <sup>2)</sup> | <input type="checkbox"/> potentiometer   | <input type="checkbox"/> 0...20mA   | <input type="checkbox"/> 0...20mA |
|           | <input type="checkbox"/> recirculation          | <input type="checkbox"/> 0...20mA          | <input type="checkbox"/> 0...20mA  | <input type="checkbox"/> 4...20mA   | <input type="checkbox"/> 4...20mA |
|           | <input type="checkbox"/> fuel_____              | <input type="checkbox"/> 4...20mA          | <input type="checkbox"/> 4...20mA  |   |                                   |
|           | <input type="checkbox"/> air:_____              |  | <input type="checkbox"/> 0...20mA<br>24V supply from VMS<br>(option at extra cost)   | <input type="checkbox"/> internal<br>O <sub>2</sub> controller<br>663 R 0030<br>(option at extra<br>cost, if no<br>LAMTEC<br>measuring<br>system is in use) |                                   |
|           | <input type="checkbox"/> fan:_____              |  | <input type="checkbox"/> 4...20mA<br>24V supply from VMS<br>(option at extra cost)   |   |                                   |
|           | <input type="checkbox"/> flue gas <sup>5)</sup> |  | <input type="checkbox"/> r.p.m. sensor<br><input type="checkbox"/> 2-wire (Namur)<br><input type="checkbox"/> 3-wire   | <input type="checkbox"/> internal<br>CO controller<br>663 R 1030<br>(option at<br>extra cost)   |                                   |
|           | <input type="checkbox"/> mechanical compound    |  | r.p.m. survey range :<br><input type="checkbox"/> 300 - 3600 pulse/Min <sup>3)</sup><br><input type="checkbox"/> 600 - 7200 pulse/Min <sup>4)</sup><br><input type="checkbox"/> 30 - 300 pulse/Min<br><input type="checkbox"/> 60 - 600 pulse/Min<br><input type="checkbox"/> 175 - 4200 pulse/Min<br><input type="checkbox"/> 355 - 8430 pulse/Min<br><input type="checkbox"/> 15 - 440 pulse/Min<br><input type="checkbox"/> 45 - 1320 pulse/Min |   |                                   |
|           | <input type="checkbox"/> steam <sup>6)</sup>    |  |  |   |                                   |

<sup>2)</sup> only potentiometer feedback available with output DPS

<sup>3)</sup> recommended for 1 pulse/revs

<sup>4)</sup> recommended for 2 pulses/revs

<sup>5)</sup> channel opens completely with start of the burner and remains at this position while ignition is completed

<sup>6)</sup> functioning same as fuel channel; but remains closed during pre-ventilation

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| Channel   | Function  | Output                            | Feedback   | Correction 1  | Correction 2                      |
|-----------|---|-----------------------------------|--|---|-----------------------------------|
| Channel 5 | <input type="checkbox"/> OFF                    | <input type="checkbox"/> 0...20mA | <input type="checkbox"/> potentiometer   | <input type="checkbox"/> 0...20mA   | <input type="checkbox"/> 0...20mA |
|           | <input type="checkbox"/> recirculation          | <input type="checkbox"/> 4...20mA | <input type="checkbox"/> 0...20mA  | <input type="checkbox"/> 4...20mA   | <input type="checkbox"/> 4...20mA |
|           | <input type="checkbox"/> fuel_____              |                                   | <input type="checkbox"/> 4...20mA  |   |                                   |
|           | <input type="checkbox"/> air:_____              |                                   | <input type="checkbox"/> 0...20mA<br>24V supply from VMS<br>(option at extra cost)   | <input type="checkbox"/> internal<br>O <sub>2</sub> controller<br>663 R 0030<br>(option at extra<br>cost, if no<br>LAMTEC<br>measuring<br>system is in use) |                                   |
|           | <input type="checkbox"/> fan:_____              |                                   |  |   |                                   |
|           | <input type="checkbox"/> flue gas <sup>5)</sup> |                                   | <input type="checkbox"/> 4...20mA<br>24V supply from VMS<br>(option at extra cost)   |   |                                   |
|           | <input type="checkbox"/> mechanical compound    |                                   |  |   |                                   |
|           | <input type="checkbox"/> steam <sup>6)</sup>    |                                   | <input type="checkbox"/> r.p.m. sensor<br><input type="checkbox"/> 2-wire (Namur)<br><input type="checkbox"/> 3-wire<br><br>r.p.m. survey range :<br><input type="checkbox"/> 300 - 3600 pulse/Min <sup>3)</sup><br><input type="checkbox"/> 600 - 7200 pulse/Min <sup>4)</sup><br><input type="checkbox"/> 30 - 300 pulse/Min<br><input type="checkbox"/> 60 - 600 pulse/Min<br><input type="checkbox"/> 175 - 4200 pulse/Min<br><input type="checkbox"/> 355 - 8430 pulse/Min<br><input type="checkbox"/> 15 - 440 pulse/Min<br><input type="checkbox"/> 45 - 1320 pulse/Min | <input type="checkbox"/> internal<br>CO controller<br>663 R 1030<br>(option at<br>extra cost)   |                                   |

<sup>3)</sup> recommended for 1 pulse/revs

<sup>4)</sup> recommended for 2 pulses/revs

<sup>5)</sup> channel opens completely with start of the burner and remains at this position while ignition is completed

<sup>6)</sup> functioning same as fuel channel; but remains closed during pre-ventilation

## Options:

power supply 115 V AC 663 R 9999 (standard 230 V) (option at extra cost)

burner-firing-rate controller active:  PT100 \_\_\_\_\_ up to 320°C  
663 P 8100 (PT100)  pressure \_\_\_\_\_ bar is equal to 4...20mA  
663 P 8000 (supply)  pressure \_\_\_\_\_ bar is equal to 4...20mA  
(option at extra cost) with 24 V supply from VMS  
(option at extra cost)  
 pressure \_\_\_\_\_ bar is equal to 4...20 mA manual changeover ☞  
☞ regular firing-rate input (manual) :  0...20 mA  TPS  potentiometer

input controlled by atmospheric conditions, firing-rate controller:  0...20mA  Pt100  potentiometer  
(available only in combination with active firing-rate controller) (663 P 8004) (663 P 8101) (663 P 8004)  
(option at extra cost)

Frontpanel:  German  English  French  Spanish

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4 curve preselection 664 R 0200  
(option at extra cost)

8 curve preselection 664 R 0300  
(option at extra cost)

Fuel change / curve change (please, select only one option): (option at extra cost)

flying curve switching (the same fuel only) 662 R 0201

mixed combustion, see specifications sheet "Mixed Combustion and Special Configurations"

Field bus connection:  PROFIBUS  Modbus  Ethernet  Interbus  CANopen  
663 R 040 (option at extra cost)

language: \_\_\_\_\_ German (standard), English, French, Italian, Swedish, Spanish, Dutch, Slovak, Danish, Portuguese, Polish, Turkish, Croatian, Slovenian, Czech

## Other:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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Responsible: S. Vischer

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