

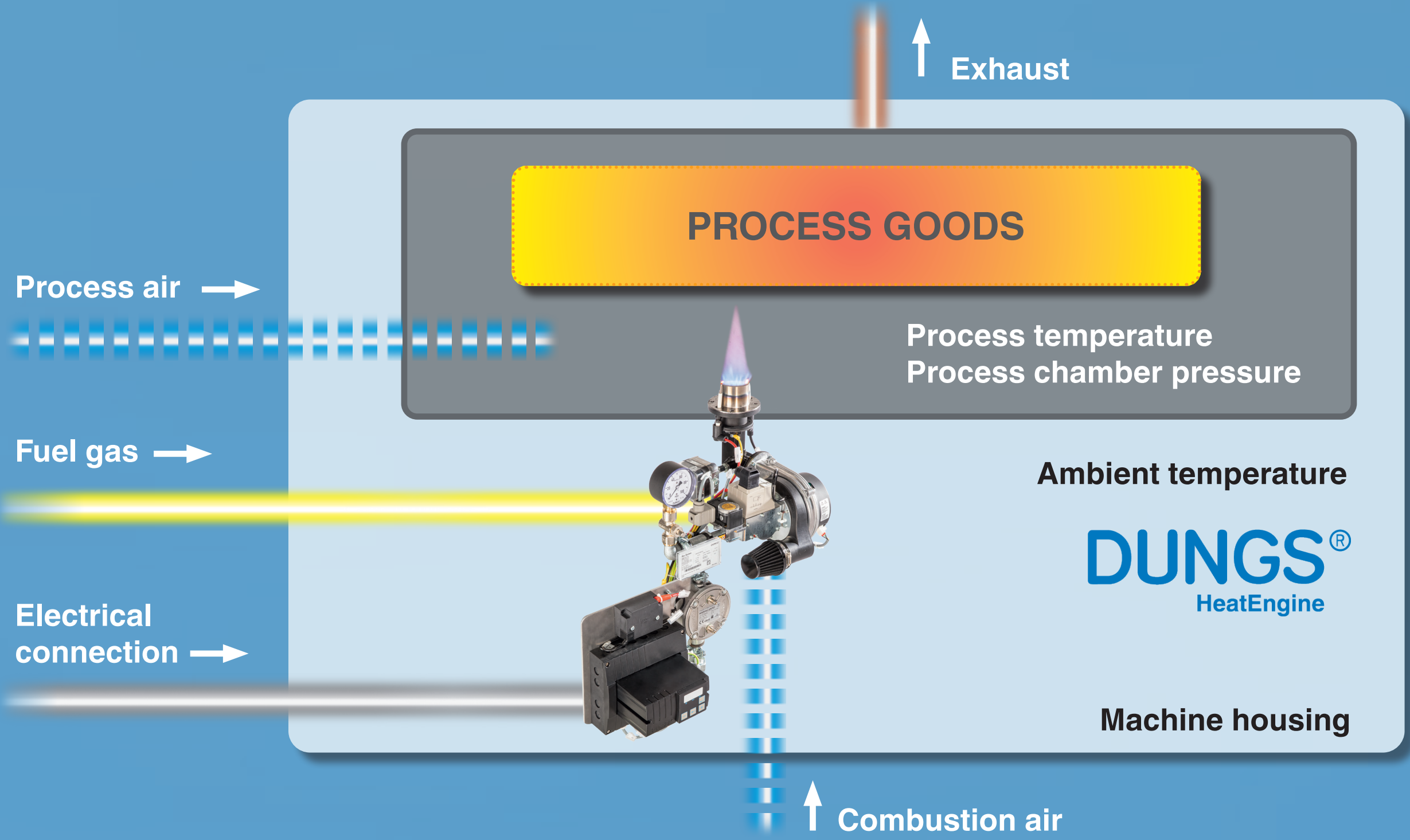
FIRE UP YOUR PROCESS

DUNGS HeatEngine®  
Homogeneous heat distribution @ low emissions & high efficiency

DUNGS®  
Combustion Controls

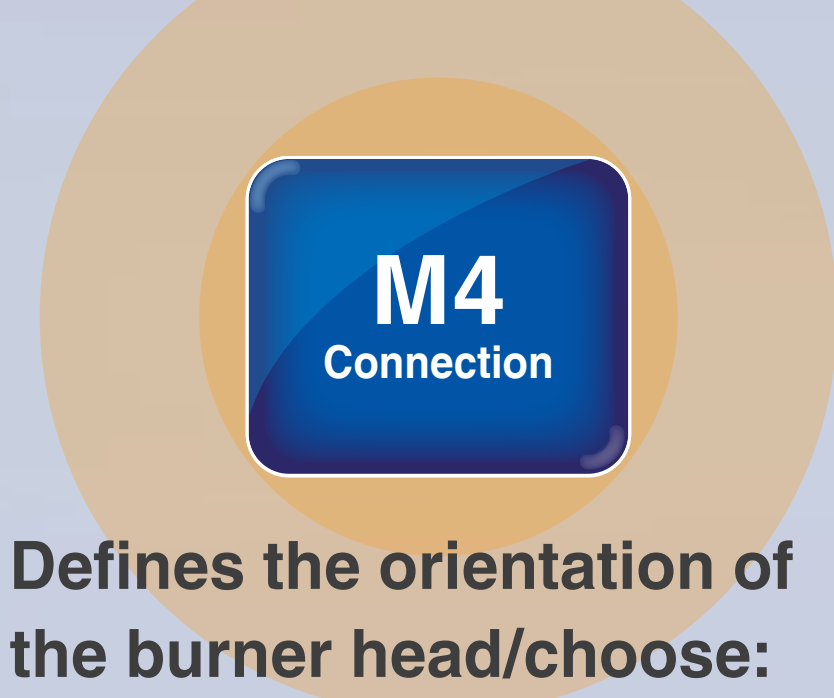
First check  
all general  
conditions.

| Requirements & Conditions       | min.                                                                                                                                             | max.               |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Process chamber pressure        | - 5 mbar (- 2 "WC)                                                                                                                               | + 3 mbar (+ 1 "WC) |
| Process temperature             | 20 °C (70 F)                                                                                                                                     | 450 °C (840 F)     |
| Ambient temperature             | - 15 °C (+ 5 F)                                                                                                                                  | 60 °C (140 F)      |
| Gas inlet pressure              | 30 mbar / 0.5 psig                                                                                                                               | 65 mbar / 1 psig   |
| Process air flow velocity       | 2 m/s (6.5 ft/sec)                                                                                                                               | 5 m/s (16 ft/sec)  |
| Burner installation position    | all (vertical, horizontal, upside-down)                                                                                                          |                    |
| Fuel                            | • Natural gas H or L<br>• LPG, Propane (Butane < 5 %)<br>• Biogas (on request)<br>• < 30 % Hydrogen<br>• up to 100% Hydrogen coming soon         |                    |
| Emissions @ 17 % O <sub>2</sub> | NO <sub>x</sub> < 10 ppm over entire modulating range<br>CO < 13 ppm over entire modulating range<br>(< 5 ppm if turndown is not fully utilized) |                    |



Burner head M5 selection  
depending on:

- Capacity (kW/BTU)
- Machine geometry



Defines the orientation of  
the burner head/choose:

- Straight
- 90° bend



Defines the capacity:  
Selection suitable for the  
selected burner head



Selection according to  
the burner capacity.  
Observe suitable flow direction  
(from left-right or right-left).

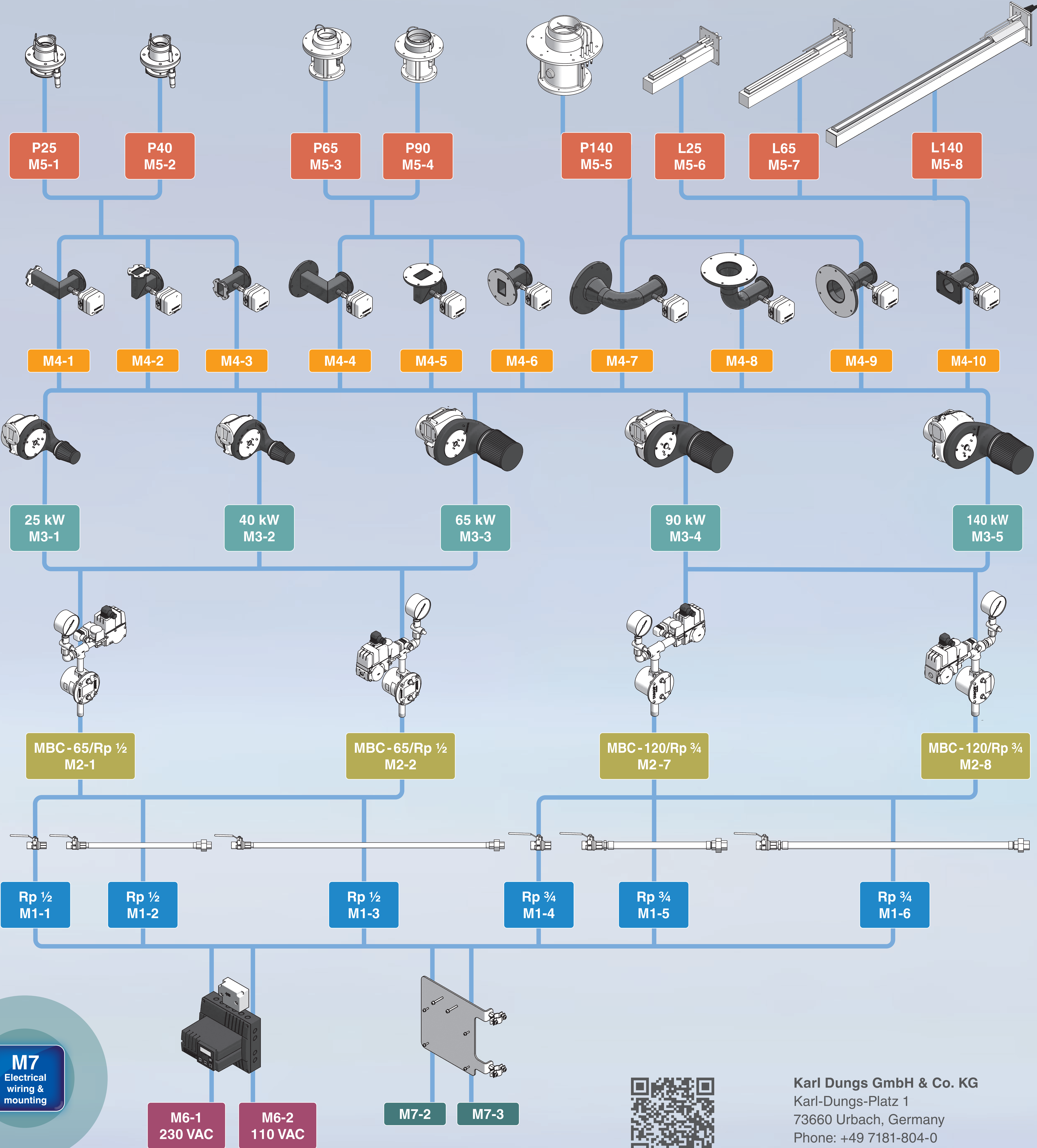


Selection according to the  
planned installation.  
Customized pipework possible.



MPA delivery

- mounted at the DUNGS HeatEngine®
- loosely supplied for control cabinet mounting



Learn more!

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