



Self recuperative burner REKUMAT® M300

gross capacity (based on lower heating value)

nominal (standard):	683,000 BTU/hr (200 kW)
min./max. capacity (opt.):	546,000 BTU/hr/820,000 BTU/hr (160 kW/240 kW)
max. (special design):	856,000 BTU/hr (250 KW)

Fuel

Natural gas (standard):	natural gas, methane
other (option):	propane, butane und other dust-free non aggressive, clean gases

Supply pressure

fuel:	6000 Pa (60 mbar), ± 5%
Combustion air:	8000 Pa (80 mbar), ± 5%

max. furnace temperatures

direct firing:	2100°F (1150°C)
indirect heating:	1830°F (1000°C)

flame safety

ionisation (standard):	one electrode for ignition and ionisation each
UV-cell (option):	the burner is prepared to accept a UV-cell

combustion mode:

FLOX®/Flame (stand.):	above approx. 1562°F (850°C) in FLOX® mode
FLOX®/Flame	
air staged high velocity:	above approx. 1562°F (850°C) in FLOX® mode
FLOX®: (option)	only FLOX® mode above 1562°F (850°C)
Flame (option):	Flame mode (air staged high velocity)

burner control

on / off

recuperator

finned (standard):	fitting length 24" (600mm)
finned (option):	fitting length 20"/28" (500 / 700mm)



customization is possible

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