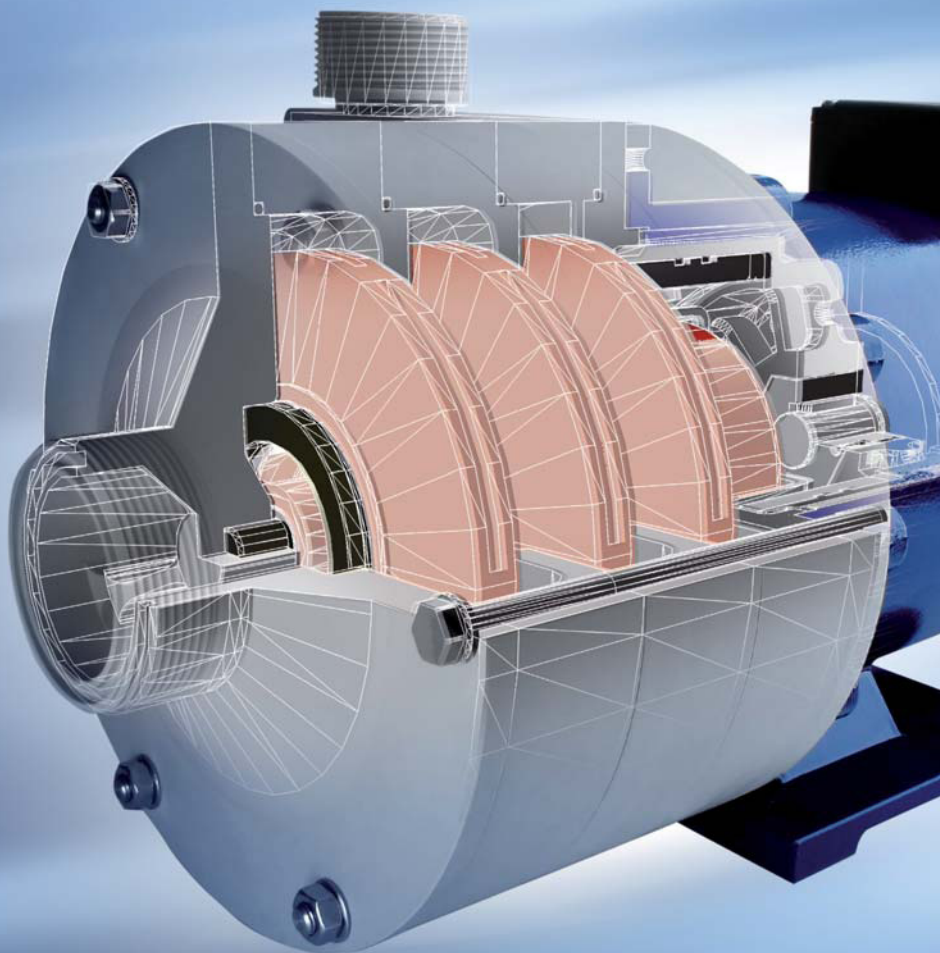




RM-MS Multistage, magnetically coupled centrifugal pump



RM-MS, efficient
pumping of chemicals
with high pressure.

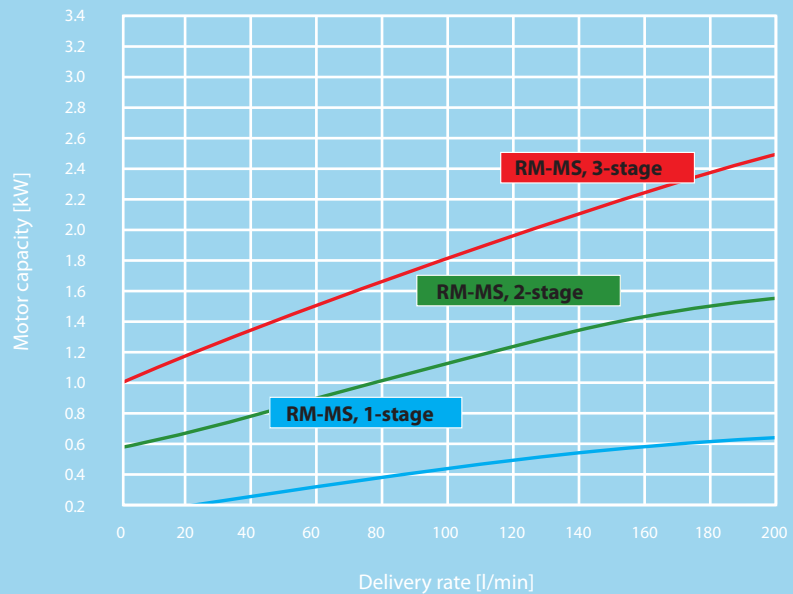
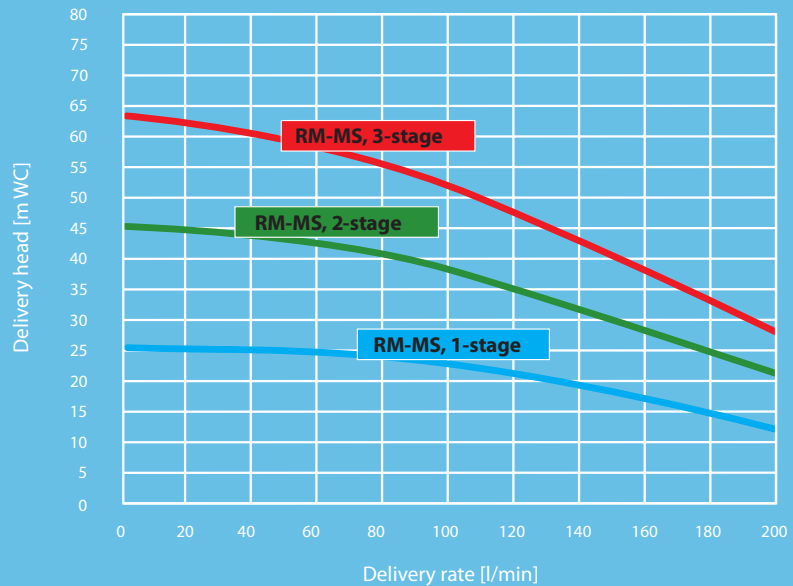
Increased efficiency in high pressure applications with multistage, magnetically coupled pump RM-MS.



The advantages of type RM-MS at a glance:

- » Energy efficient in high pressure operation
- » Flexible and modular design
- » Multistage with 1, 2, or 3 impellers
- » Driven by magnetic coupling
- » Best hydraulic efficiency
- » Environment friendly by hermetically sealed pump housing
- » Best chemical resistance
- » Metal-free design made of PP or PVDF

Performance charts type RM-M



In high pressure applications, single stage centrifugal pumps are not very efficient. For operation in high pressure ranges multistage centrifugal pumps are required. Multistage centrifugal pumps have the impellers connected in series. This means that in high pressure ranges the type RM-MS will reach a higher efficiency than a single stage centrifugal pump. This enables higher delivery rates.

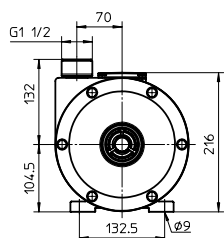
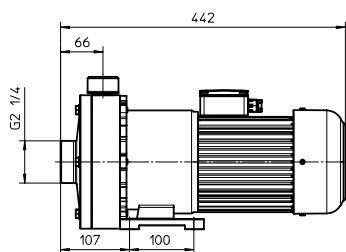


Dimensions and Technical Data

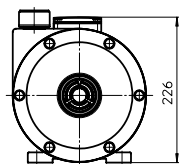
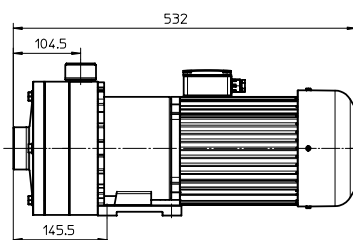
Technical Data

size	RM-MS, 1-stage	RM-MS, 2-stage	RM-MS, 3-stage
maximum delivery rate [l/min]	200	200	200
maximum delivery head [m WC]	28	47	65
motor capacity [kW]	0.75 – 3.0		
voltage at 50 Hz [V]	220 – 240 / 380 – 415		
voltage at 60 Hz [V]	255 – 277 / 440 – 480		
protection class	IP 55		
connections	suction side G 2 1/4	pressure side G 1 1/2	
materials	PP	PVDF	
max. temperature [° C]	80	90	
max. system pressure at 20° C [bar]	8.0	8.0	

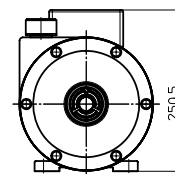
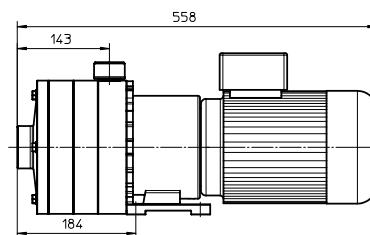
Types and sizes



RM-MS, 1-stage
1.5 kW



RM-MS, 1-stage
2.2 kW



RM-MS, 1-stage
3.0 kW

The RPR Control-100 for electronic process monitoring of pumps.



Separate programming unit
Hand-held programmer with cable and plug to program specific switching thresholds to RPR Control-100 1 and 100 3 systems

Users of centrifugal pumps are only too well aware of the problem that most pumps do not fail because of progressive wear but, long before their end of life, due to critical operating conditions like dry running, overheating or operation in cavitation.

The active-power meter integrated to the RPR Control-100 system has 4 user-programmable switching thresholds assigned to the following operating conditions:

- » Dry running
- » Overheating
- » Overload
- » Flow rate falling below minimum value



RPR Control-100 1
to be built into control cabinets and plug in the separate programming unit (mounted on top-hat rail)



Portable RPR Control-100 3
with indicating lamps and push-buttons but without programming unit



RPR Control-100 2
to be built into control cabinets with integrated programming unit (mounted on top-hat rail)