



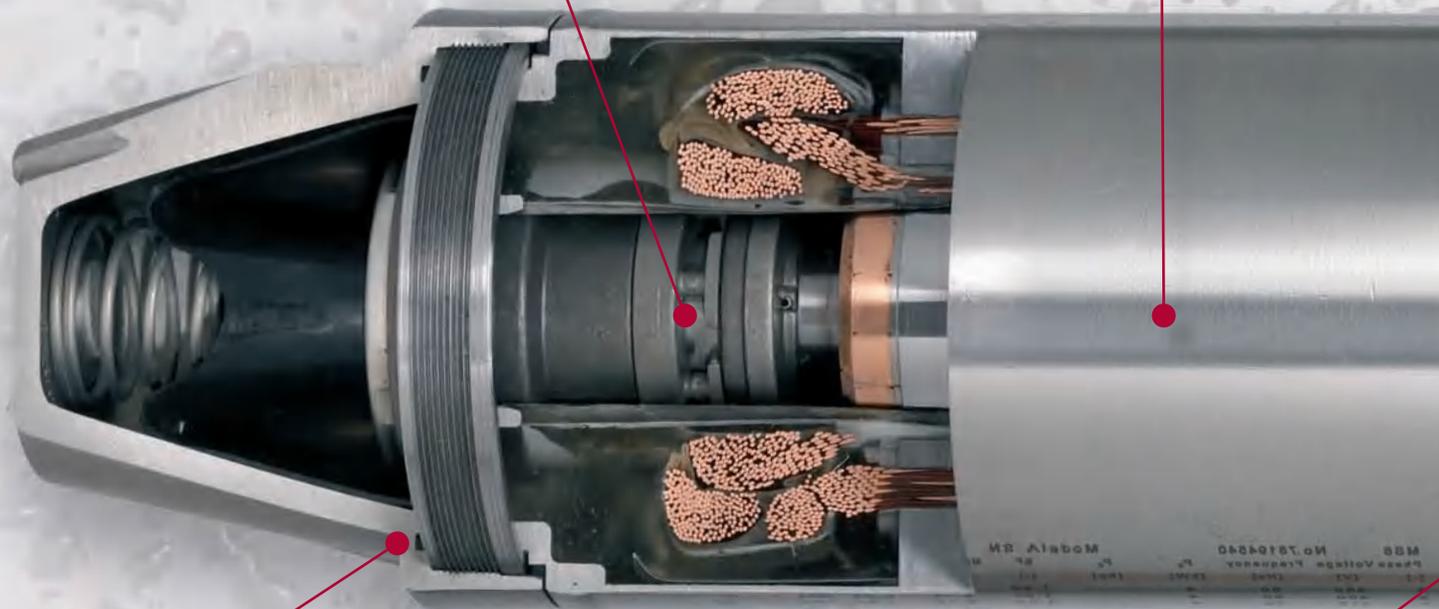
**MS6**

**Motors that improve performance**

# A closer look...

Michell type thrust bearing with high thrust capacity. Quickly builds up a water film during start up to ensure high thrust capacity.

Robust 304 stainless steel housing with 904L stainless steel optional for harsh water applications.



Cast stainless endbell gives rugged protection to the large motor liquid diaphragm while tapered design aids in down hole installation.

Hollow shaft for improved flow of internal fluids promotes better cooling of the motor and seal life.



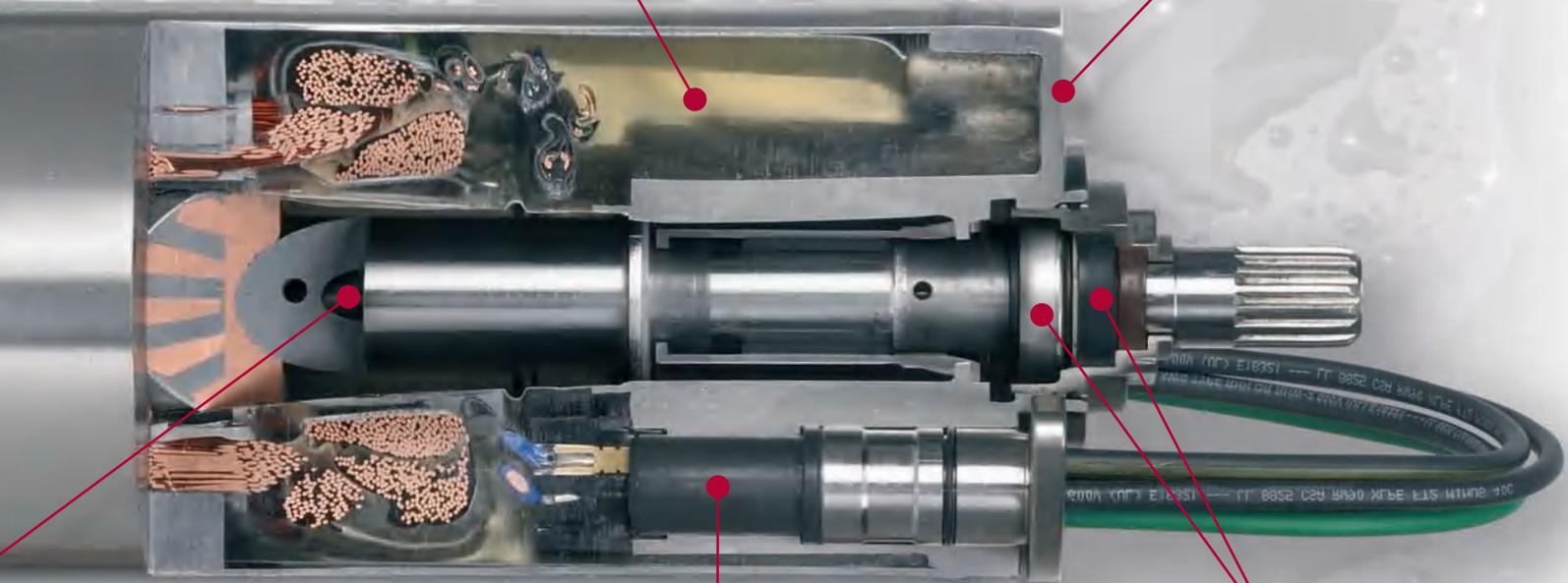
## MS 6

The MS 6 series cover a range of water supply applications that require power from 7.5 to 40 HP, 3-phase.

All external surfaces of Grundfos MS motors in contact with water are made of stainless steel DIN W. Nr. 1.4301 (AISI 304) unless otherwise specified R-versions made from DIN W. Nr. 1.4539 (AISI 904 L) are also available for aggressive water. MS motors are fitted with a built-in Tempcon sensor to prevent overheating – a solution which together with a Grundfos MP 204 eliminates the need for external temperature sensors.

Sand and wax replace toxic epoxy which is traditionally used to give the windings stability. This system will prevent stator swelling typical of epoxy when hit by an electrical surge.

Cast stainless endbell machined NEMA standards for a solid mounting of the pump.



Robust lead with a three stage protection is the strongest in the world.

The quality of the shaft seal is vital to ensure long and trouble free operation of a submersible motor. As a unique feature all MS6 incorporate a double shaft seal. The double shaft seal consists of a rubber lip seal and a mechanical seal of either carbon/ceramic or silicon carbide/silicon carbide.

## The world's strongest lead

1. Two bolt stainless steel top for firm mounting and protection
2. Primary o-ring to seal the lead from external fluids
3. Second seal mounts on the internal housing as backup for the o-ring
4. O-ring seals at the base of the lead seals the motor pins from any intrusion of external fluids



BE ▶ THINK ▶ INNOVATE ▶

Being responsible is our foundation  
Thinking ahead makes it possible  
Innovation is the essence



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**U.S.A.**  
GRUNDFOS Pumps Corporation  
17100 West 118th Terrace  
Olathe, Kansas 66061  
Phone: (913) 227-3400  
Telefax: (913) 227-3500

**Canada**  
GRUNDFOS Canada Inc.  
2941 Brighton Road  
Oakville, Ontario  
L6H 6C9  
Phone: (905) 829-9533  
Telefax: (905) 829-9512

**Mexico**  
Bombas GRUNDFOS de Mexico S.A. de C.V.  
Boulevard TLC No. 15  
Parque Industrial Stiva Aeropuerto  
C.P. 66600 Apodaca, N.L. Mexico  
Phone: 011-52-81-8144 4000  
Telefax: 011-52-81-8144 4010

[www.grundfos.com](http://www.grundfos.com)

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