

Munters Plastic Gutter (MPG)

Water Distribution System

- No risk of corrosion and long durability
- No water leakage caused by glue/adhesive and thermal expansion/contraction
- Easy cleaning and pad replacement: clip function to access water distribution pipe and pad removal
- Semi-open header for visual inspection and check-up
- Long maintenance intervals: no glue to reapply or repair
- Easy and quick installation: same day commissioning, no digging for water tank

**PATENT
PENDING**

Munters Plastic Gutter (MPG)

Say Goodbye to leaking gutter system

The MPG is a complete water supply and distribution system to wet evaporative cooling pad walls. The solution includes the top and bottom gutter system, water pump, water supply kit and the ending kit. The MPG has been engineered and designed to ensure proper wetting of the cooling pad, even in extreme hot weather and continuous water recirculation.

Innovative engineering

Munters takes a step ahead on delivering a trouble-free and easy to install gutter system, introducing a solution glue, adhesive free and simplifying the installation process. This new revolutionary system guarantees long service life, as it does not suffer of cracks or water leakage due to thermal expansion or contraction. Inspection and cleaning procedures are ease by a clip function to access the water pipe and to remove pads.



“Less is more” summarizes the advantages offered by the new MPG glue-free system. “Less” refers to the no glue or adhesive usage and the reduced time of installation, as well as the elimination of water leakage. The “more” stands for the overall efficiency.

The MPG Glue-free system avoids the water leakage and therefore leads to a higher reliability as it eliminates glues and adhesives – which are a significant risk factor: if the glue is applied incorrectly, the gutter system will leak water through the joints. Furthermore, the thermal expansion and contraction of the materials will cause the glue to tear off or rip apart; therefore creating a crack that will eventually leak water. The MPG glue-free system compensates the thermal expansion and contractions of materials, letting the water tank to expand freely inside the joints, without risk of leaking water.

The MPG Glue-free system increases the efficiency by saving money, time and materials: no glues used, reduced time in installation and no re-work needed.

Technical specifications

The MPG frame system typical dimension for central mount water distribution equipped with CELdek or paper pads are:

Length* (m)	Pad Depth (mm)	Pump** capacity (kW)
6	150	0,37
9		
12		
15		0,75
18		
21		
24		
27		1,50
30		
33		
36		
39		
42		

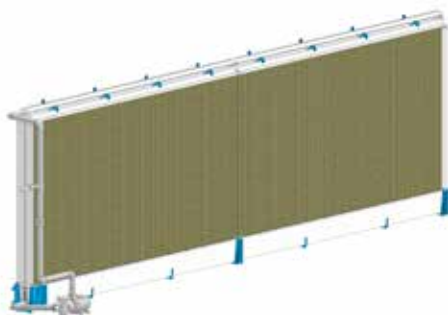
Note: the water distribution kit, pump and float valve are available on request (purchased separately). Standard system height 2.5 m (can be cut down to pad size)

*) For RCP CoolPads with water load of 120 [(l/min)/m²], max length is 24m.

***) Standard voltage water pump 230/380VAC - 50Hz. Other voltage or frequency on demand.

Features

- Patent pending innovative design
- Glue-free assembly featuring gaskets made in Neoprene
- Incorporated water gutter with high capacity to guarantee no dry operation
- Reinforced water tank with double wall, for very high robustness and rigidity
- Pad guides and deflector featuring clip-function
- Frontal opening for flushing the entire system
- Pad supports with large honeycomb orifices, to avoid clogging or pad sitting in water
- Made in high quality PVC and PP materials, UV stabilized
- Anti-corrosion, resistant to detergents and disinfectants
- Centrifugal pumps with integrated filter (available 3 sizes)
- Suitable for paper pads (water load 60[(l/min)/m²]) and plastic pads (water load 120[(l/min)/m²])



MPG can be mounted in different configurations. Here are the possibilities with the maximum length of gutter for system up to 2.5m:

CELdek pads

- middle connection (1 pump) maximum 42m
- lateral connection (1 pump) maximum 24m

RCP CoolPads:

- middle connection (1 pump) maximum 24m
- lateral connection (1 pump) maximum 12m

MPG Munters Plastic Gutter is developed by Munters Italy S.p.A., Italy

www.munters.com

Australia Phone +61 2 8843 1594, agh.info@munters.com.au, Brazil Phone +55 41 3317 5050, contato@munters.com, Canada Phone +1 517 676 7070, aghort.info@munters.com, China Phone +86 10 8048 3493, marketing@munters.cn, Denmark Phone +45 98 623 311, aghort@munters.dk, Germany Phone +49 2558 9392-0, info.reventa@munters.de, India Phone +91 20 6681 8900, info@munters.in, Israel Phone +97 2 39206200, info@munters.co.il, Italy Phone +39 0183 5211, info@munters.it, Japan Phone +81 3 5970 0021, mkk@munters.jp, Korea Phone +82 2 7618 701, munters@munters.co.kr, Mexico Phone +52 818 2625 400, dhinfo@munters.com, South Africa and Sub-Saharan Countries Phone +27 11 997 2000, info@munters.co.za, Spain Phone +39 0183 5211, info@munters.it, Sweden Phone +45 98 623 311, aghort@munters.dk, Thailand Phone +66 2 6422 670, info@munters.co.th, Turkey +90 216 594 18 65 info@muntersform.com, USA Phone +1 517 676 7070, aghort.info@munters.com, Export & Other countries Phone +39 0183 5211, info@munters.it



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