



SYNO Dome Closure
Unleashes Networks

Get more

Freedom

Unique modular design

Future

Adaptation during operation

Innovation

Reliable SYNO gel technology



Convincing cabling solutions

Freedom.

Unique modular design.

The dome closure for dynamic networks

On the one hand, network operators want to have long-term certainty when it comes to planning, and on the other hand as many options as possible. In future, their planning will have to be even more short-term and flexible than ever. Nevertheless, fiber optic infrastructure should be sustainable and innovative concepts need to be supported.

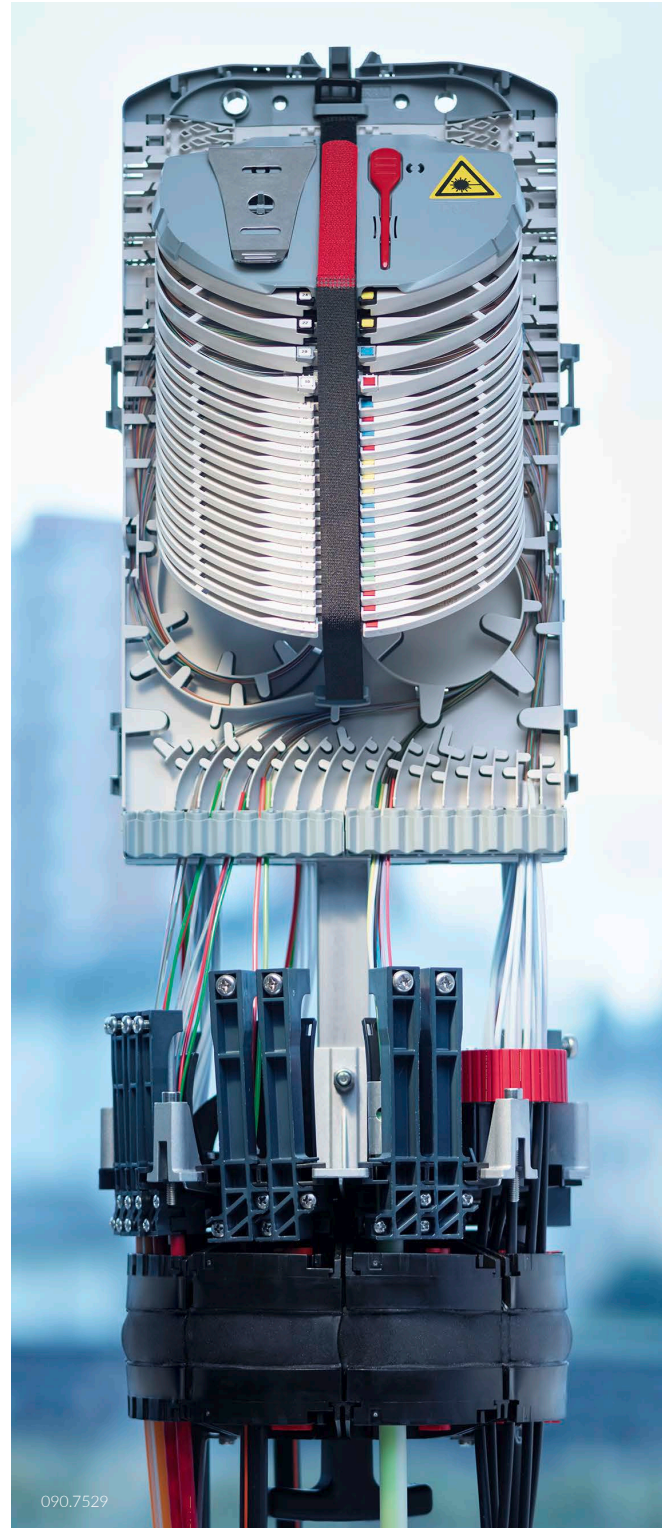
The SYNO dome closure from R&M frees network operators from typical obstacles and constraints. They can now cater for specific site conditions immediately out in the field. They can respond to current requirements in an economically appropriate way. And they can integrate new applications at any time, without having to replace the dome closure itself.

The flexibility of this modular outside plant solution is unique. For the first time, a dome closure supports all the typical applications, topologies and cable types of modern fiber optic networks.

Extending, retrofitting or replacing cabling. No matter when. No matter how often. No matter how much. The SYNO dome closure makes this as easy as can be. The effortless installation of cable entries makes on-site installation work easier. The innovative SYNO gel seal protects valuable contents, no matter how often the cabling is adjusted. Fiber management runs in an unbeatably efficient way with R&M's Single Circuit Management (SCM) system.

Added value at a glance

- R&M's innovative SYNO gel technology solves all sealing issues. SYNO dome closure can be opened and closed time and again without any risk in order to adjust the cabling.
- The revolutionary concept of cable entry bays with lateral cable assembly replaces laboriously threading in the cable. The advantages: Greater convenience and more operational reliability. Easy handling and fast assembly reduce installation times.
- R&M's scalable Single Circuit Management (SCM) tray system enables ultimate efficiency in fiber management. The advantages: Quick and reliable supply of subscribers. Increased network availability.



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Future.

Adaptations during operation.

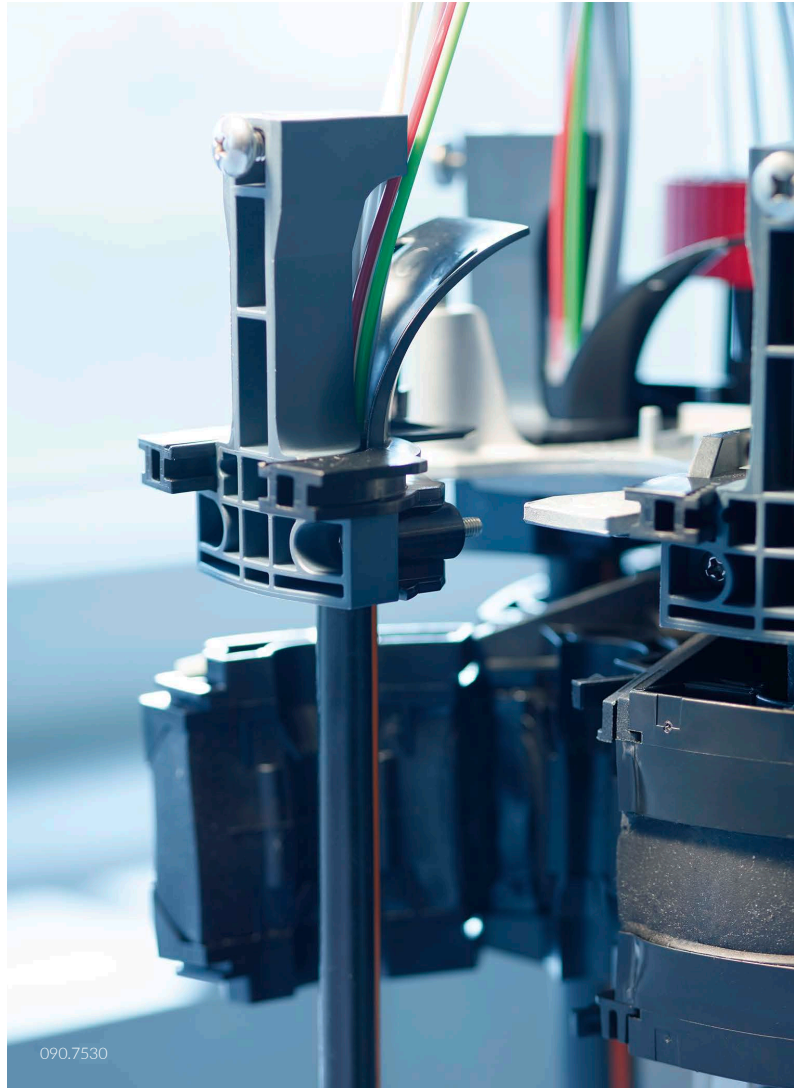
Expansions possible at any time

There is still free, lateral access to the cable entry channels even after the initial installation. With the dome closure open, the cable, gel block and strain reliefs can be replaced or supplemented individually. Maintenance work can be carried out quickly and without any risk, even while the network is in operation.

There is reliable, individual strain relief for every cable. Once the cables are prepared, the strain relief clamps can be fitted in next to no time. Uniform clamping all around the cable jacket ensures stress-free absorption of traction and torsion.

“Maintenance work can be carried out quickly and without any risk, even while the network is in operation.”

The fiber optic network can still be adapted to new requirements years later. A sustainable investment which gives network operators the greatest possible freedom and future proofing.



Flexibility.

Variable cable entries.

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Any kind of configuration and mixed assembly

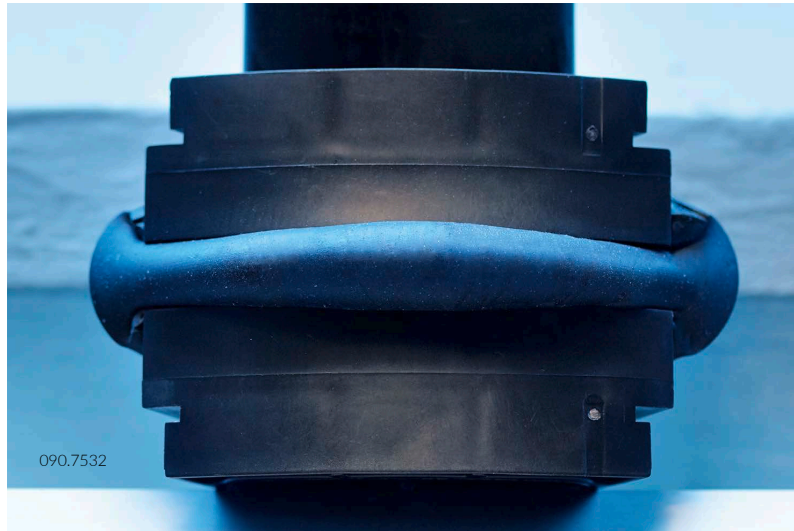
Whether fiber optic cable with a diameter of 2 to 28 mm or micro ducts with a diameter of 5 to 14 mm. Various cable entry kits enable the dome closures to be adjusted to individual requirements. The number of cable entries per kit is optimized for the cable diameter. The kit for the smallest cable diameter can take up to 16 cables. The kit for the largest diameter encloses a single fiber optic cable.

All eight independent cable entry bays can each be equipped with any one of the kits. The system supports any kind of configuration and mixed assembly.

The kits can be replaced at any time. This means that network operators can still adjust the dome closure to new situations even years later.

Innovation.

Reliable SYNO gel technology.



Reliable cold sealing

Dome closures and cable entries should remain tightly sealed in all circumstances – even after repeated opening. A major technical challenge.

“The SYNO gel withstands the harsh environment at all times.”

The SYNO gel technology developed by R&M now offers the reliable cold sealing solution. When the cable entry is sealed, there is gel around each cable which reliably prevents the ingress of dust and moisture.

The SYNO gel withstands the tough requirements of the harsh environment at all times. Fluctuating temperatures, mechanical loads or water pressure cannot harm the dome closure in any way. It remains permanently tightly sealed.

Efficiency.

Reliable fiber management.



Scalable SCM tray system

R&M's SCM tray system is well protected against water and dust and accommodates the optical fibers and splice connections inside the dome closure. Individual fibers are successfully inserted and spliced in record time.

Crossover-free fiber routing and the gentle 40-mm bending radius are ensured throughout with the SCM system. These are the right prerequisites for long-term operational reliability and high performance. Ingenious design and easy handling contribute to the outstanding transmission quality never being jeopardized, even during installation work.

The ample space in the trays allows simple removal of individual fibers and secure storage of splice protectors. Not only splices, but also splitters can be stored directly in the tray system. Optional marking possibilities, such as labeling field, numbering or color clips, increase transparency and make sure errors are avoided.

Tray technology is freely scalable. Network operators can therefore respond flexibly to growing numbers of subscribers – according to the principle: Invest as you grow.

“The gentle 40-mm bending radius is ensured throughout.”

Get more

More future

- Equipped for every FTTx scenario
- Adaptations possible during operation
- Later extensions can be implemented at any time

More flexibility

- Modular system, replaceable components
- Compatible with all typical cable types and micro ducts
- Supports mixed assemblies of cables and micro ducts

More innovation

- Reliable, re-sealable gel cold sealing
- Modular, freely accessible cable entries
- Intuitive handling for reliable installation

More efficiency

- Fast, convenient, dependable installation
- Scalable fiber management
- One single platform for all applications

For more information and products, visit
www.rdm.com



Headquarter

Reichle & De-Massari AG
Binzstrasse 32
CHE-8620 Wetzikon
+41 (0)44 933 81 11
www.rdm.com



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