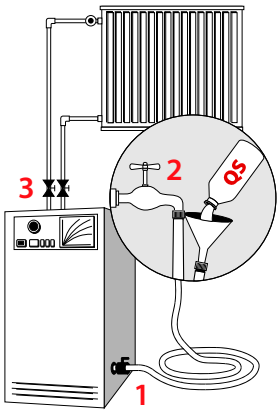
Quick-Sealer for heating systems also with gas boilers.

Multiseal® QS Micro

Suitable for water loss up to
0.5 liters / hour = 10 liters / day
QS Micro seals leaks in heating systems
and pipes in just 3 days.

Packaging	Item-no.	EAN-no.	VVS-no.
1 liter	8040010	5708923906724	251208010

Suitable in case of water loss up to 0.5 liters / hour. QS Micro permanently seals leaks in heating systems and pipes in just 3 days. QS Micro crystallizes and hardens on contact with CO2 and a lasting sealing of the leak is obtained. QS Micro can be used on all commonly occurring pipe materials (copper, steel, plastic, stainless steel, galvanized material). No special tools are required to fill QS Micro in to a heating system.



MANUAL:

NOTE: Shake the container with QS Micro thoroughly before use!

1. Empty approx. 20 liters of system water from the plant.
2. Close the filling / draining tap (1).
3. Drain the filling hose of water.
4. Fill the QS Micro into the hose using a funnel.
5. Connect the hose to the tap (2).
6. Open the filling / draining tap (1).
7. Open the tap (2). QS Micro is now pressed into the heating circuit.
8. Close the tap (2) and the fill / drain tap.
9. Disconnect the hose from the tap (2) and empty it.
10. Repeat the process until the required amount of QS Micro is filled the system.
11. Then fill the heating system to operating pressure.
12. Fully open all heating and mixing valves.
13. Set the heating system to operating temperature.
14. Vent the system.
15. Empty the system after 3 days and fill it with fresh water. If there is NO gas boiler or condensing boiler on the plant, you can also choose to leave the product in the plant.
16. If necessary, pull off the pump head of and clean it.
17. Heat, circulation and a small amount of CO2 contact are necessary for an optimal fast and durable seal.
18. If conditions are unfavorable, the curing time can be extended.

NOTE: We generally recommend consulting an authorized plumber before using the product.

The above information is based on our current experience. We reserve the right to make technical changes and improvements.

For district heating systems:
If a heating system runs on district heating, it is necessary to determine in which section of the system the leak is located inside the house. Establish a closed circulation through the part (circuit) in which the leak has been found using an external circulation pump with builtin heating and add the correct concentration of Multiseal QS Micro. Thoroughly shake the bottel with Multiseal QS Micro before mixing the product into the system water. Heat up the circulating Multiseal QS mixture as this will speed up the sealing procedure. After this, maintain circulation (with heating) through the circuit section with the leak under the described conditions until the leak is sealed, usually for 2–3 days. After sealing, rinse the heating circuit thoroughly with several changes of water; refill the circuit with water and reconnect the circuit to the district heating system. The equipment used for the sealing procedure – especially the external circulation pump – must also be rinsed thoroughly with several changes of water.

Safetydata for QS Micro
In case of contact with eyes, rinse thoroughly with water and consult a physician. In case of skin contact, wash immediately using plenty of water. Wear suitable protective gloves and eye/face protection when working with the product. Immediately remove QS Micro from objects (tiles, sinks, etc.) with plenty of water, otherwise a crystallization takes place and cannot be removed.
The usual precautions when handling chemicals must be observed!

Keep out of reach of children!

Mixing ratio:
1 liter of QS Micro per 200 liters of system water.

Shelf life/Storage:
Unopened 5 years from date of manufacture. Protect from frost.

NOTE:
There must be no additives in the heating system (frost and corrosion protection). Filters, sieves and dirt traps must be removed or a bypass must be established.

Quick-Sealer for heating systems.

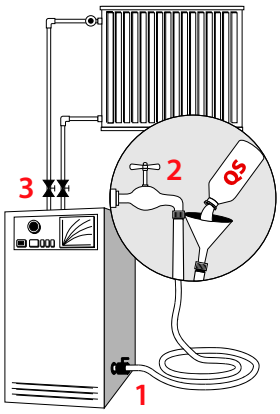
Multiseal® QS Normal

Suitable for water loss up to
8 liters/hour = 200 liters/day
QS Normal seals leaks in heating systems and pipes in just 3 days.

Packaging	Item-no.	EAN-no.	VVS-no.
1 liter	8041010	5708923906731	251208110

Suitable in case of water loss up to 8 liters/hour. QS Normal permanently seals leaks in heating systems and pipes in just 3 days. QS Normal crystallizes and hardens on contact with CO2 and a lasting sealing of the leak is obtained. QS Normal can be used on all commonly occurring pipe materials (copper, steel, plastic, stainless steel, galvanized material). No special tools are required to fill QS Normal into a heating system. QS Normal can remain in the heating system!

May not be used in gas boilers!



MANUAL:

NOTE: Shake the container with QS Normal thoroughly before use!

1. Empty approx. 20 liters of system water from the s ystem.
2. Close the filling/draining tap (1).
3. Drain the filling hose of water.
4. Fill the QS Normal into the hose using a funnel.
5. Connect the hose to the tap (2).
6. Open the filling/draining tap (1).
7. Open the tap (2). QS Normal is now pressed into the heating system.
8. Close the tap (2) and the fill/drain tap.
9. Disconnect the hose from the tap (2) and empty it.
10. Repeat the process until the required amount of QS Normal is filled into the system.
11. Then fill the heating system to operating pressure.
12. Fully open all heating and mixing valves.
13. Set the heating system to operating temperature.
14. Vent the system.
15. You can now leave the product in the system or choose to empty the system after 3 days and fill it with fresh water.
16. If necessary, pull off the pump head and clean it.
17. Heat, circulation and a small amount of CO2 contact are necessary for an optimal fast and durable seal.
18. If conditions are unfavorable, the curing time can be extended.

NOTE: We generally recommend consulting an authorized plumber before using the product.

The above information is based on our current experience. We reserve the right to make technical changes and improvements.

For district heating systems:
If a heating system runs on district heating, it is necessary to determine in which section of the system the leak is located inside the house. Establish a closed circulation through the part (circuit) in which the leak has been found using an external circulation pump with builtin heating and add the correct concentration of Multiseal QS Normal. Thoroughly shake the bottel with Multiseal QS Normal before mixing the product into the system water.
Heat up the circulating Multiseal QS mixture as this will speed up the sealing procedure. After this, maintain circulation (with heating) through the circuit section with the leak under the described conditions until the leak is sealed, usually for 2–3 days. After sealing, rinse the heating circuit thoroughly with several changes of water; refill the circuit with water and reconnect the circuit to the district heating system. The equipment used for the sealing procedure – especially the external circulation pump – must also be rinsed thoroughly with several changes of water.

Safetydata for QS Micro
In case of contact with eyes, rinse thoroughly with water and consult a physician. In case of skin contact, wash immediately using plenty of water. Wear suitable protective gloves and eye/face protection when working with the product. Immediately remove QS Micro from objects (tiles, sinks, etc.) with plenty of water, otherwise a crystallization takes place and cannot be removed.
The usual precautions when handling chemicals must be observed!

Keep out of reach of children!

Mixing ratio:
1 liter of QS Normal per 200 liters of system water.

Shelf life/Storage:
Unopened 5 years from date of manufacture. Protect from frost.

NOTE:
There must be no additives in the heating system (frost and corrosion protection). Filters, sieves and dirt traps must be removed or a bypass must be established.

Quick-Sealer for heating systems

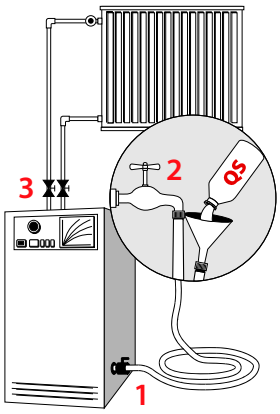
Multiseal® QS Super

Suitable for water loss up to
20 liters/hour = 500 liters/day
QS Super seals leaks in heating
systems and pipes in just 3 days.

Packaging	Item-no.	EAN-no.	VVS-no.
1 liter	8042010	5708923906748	251208210

Suitable in case of water loss up to 20 liters/hour. QS Super permanently seals leaks in heating systems and pipes in just 3 days. QS Super crystallizes and hardens on contact with CO2 and a lasting sealing of the leak is obtained. QS Super can be used on all commonly occurring pipe materials (copper, steel, plastic, stainless steel, galvanized material). No special tools are required to fill QS Super into a heating system. QS Super can remain in the heating system.

May not be used in gas boilers!



MANUAL:

NOTE: Shake the container with QS Super thoroughly before use!

1. Empty approx. 20 liters of system water from the system.
2. Close the filling/draining tap (1).
3. Drain the filling hose of water.
4. Fill the QS Super into the hose using a funnel.
5. Connect the hose to the tap (2).
6. Open the filling/draining tap (1).
7. Open the tap (2). QS Super is now pressed into the heating circuit.
8. Close the tap (2) and the fill/drain tap.
9. Disconnect the hose from the tap (2) and empty it.
10. Repeat the process until the required amount of QS Super is filled into the system.
11. Then fill the heating system to operating pressure.
12. Fully open all heating and mixing valves.
13. Set the heating system to operating temperature.
14. Vent the system.
15. You can now leave the product in the system or choose to empty the system after 3 days and fill it with fresh water.
16. If necessary, pull off the pump head and clean it.
17. Heat, circulation and a small amount of CO2 contact are neces sary for an optimal fast and durable seal.
18. If conditions are unfavorable, the curing time can be extended.

NOTE: We generally recommend consulting an authorized plumber before using the product.

The above information is based on our current experience. We reserve the right to make technical changes and improvements.

For district heating systems:
If a heating system runs on district heating, it is necessary to determine in which section of the system the leak is located inside the house. Establish a closed circulation through the part (circuit) in which the leak has been found using an external circulation pump with builtin heating and add the correct concentration of Multiseal QS Super. Thoroughly shake the bottel with Multiseal QS Super before mixing the product into the system water.
Heat up the circulating Multiseal QS mixture as this will speed up the sealing procedure. After this, maintain circulation (with heating) through the circuit section with the leak under the described conditions until the leak is sealed, usually for 2–3 days. After sealing, rinse the heating circuit thoroughly with several changes of water; refill the circuit with water and reconnect the circuit to the district heating system. The equipment used for the sealing procedure – especially the external circulation pump – must also be rinsed thoroughly with several changes of water.

Safetydata for QS Micro
In case of contact with eyes, rinse thoroughly with water and consult a physician. In case of skin contact, wash immediately using plenty of water. Wear suitable protective gloves and eye/face protection when working with the product. Immediately remove QS Micro from objects (tiles, sinks, etc.) with plenty of water, otherwise a crystallization takes place and cannot be removed.
The usual precautions when handling chemicals must be observed!

Keep out of reach of children!

Mixing ratio:
1 liter of QS Super per 200 liters of system water

Shelf life/Storage:
Unopened 5 years from date of manufacture. Protect from frost.

NOTE:
There must be no additives in the heating system (frost and corrosion protection). Filters, sieves and dirt traps must be removed or a bypass must be established.

Quick-Sealer for boilers

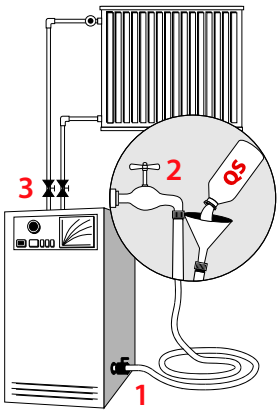
Multiseal® QS Boiler

Suitable for water loss up to
35 liters/hour = 800 liters/day
QS Boiler permanently seals leaks
in boilers in just 3 hours.

Packaging	Item-no.	EAN-no.	VVS-no.
1 liter	8043010	5708923906755	251208310

Suitable for water loss up to 35 liters/hour. QS Boiler permanently seals leaks in heating systems and pipes in just 3 hours. QS Boiler crystallizes and hardens on contact with CO2 and a lasting sealing of the leak is obtained. QS Boiler can be used on all commonly occurring boiler materials (copper, steel, stainless steel, aluminum). No special tools are required to fill QS Boiler into a heating system.

May not be used in gas boilers.



MANUAL:

NOTE: Shake the container with QS Super thoroughly before use!

1. Close the shut-off valves for the boiler (3).
2. Drain approx. 10 liters of water from the boiler
3. Close the filling / draining tap (1).
4. Drain the filling hose of water.
5. Fill the QS Boiler into the hose using a funnel.
6. Connect the hose to the tap (2).
7. Open the filling / draining tap (1).
8. Open the tap (2). QS Boiler is now pressed into the boiler.
9. Close the tap (2) and the filling / draining tap.
10. Disconnect the hose from the tap (2) and empty it.
11. Repeat the process until necessary quantity QS Boiler is filled the boiler.
12. Then fill the boiler to operating pressure.
13. Let the kettle run up in temperature (80 degrees).
14. If necessary, switch off the circulation pump if it cannot be used for internal circulation.
15. Empty and rinse the kettle after 3 hours and fill it again with domestic water
16. Open the shut-off valves (3) again and take the system into normal (Temperature and pressure) use again. Bleed the system and the pump.
17. If the conditions are unfavorable, the curing time can be extended.

NOTE: We generally recommend consulting an authorized plumber before using the product.

Safetydata for QS Boiler
In case of contact with eyes, rinse thoroughly with water and consult a physician. In case of skin contact, wash immediately using plenty of water. Wear suitable protective gloves and eye/face protection when working with the product. Immediately remove QS Boiler from objects (tiles, sinks, etc.) with plenty of water, otherwise a crystallization takes place and cannot be removed.
The usual precautions when handling chemicals must be observed!

Keep out of reach of children!

Mixing ratio:
1 liter of QS Boiler per 200 liters ofsystem water

Shelf life/Storage:
Unopened 5 years from date of manufacture.
Protect from frost.

NOTE:
There must be no additives in the heating system (frost and corrosion protection).
Filters, sieves and dirt traps must be removed or a bypass must be established.

The above information is based on our current experience. We reserve the right to make technical changes and improvements.

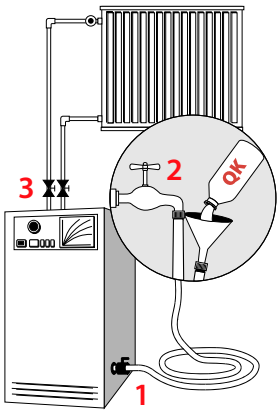
Concentrated corrosion protection for heating systems

Multiseal® QK Corrosion

Protects heating systems with pipes and components of steel, aluminum, and copper against corrosion.

Packaging	Item-no.	EAN-no.	VVS-no.
1 liter	8045010	5708923906779	251228510

Protects heating systems with pipes and components of steel, aluminum, and copper against corrosion. Multiseal QK also protects underfloor heating with plastic pipes against oxygen diffusion, as a diffusion-tight protective film is formed on the inside of the pipe. QK Corrosion prevents limescale deposits on the pipe walls and thus ensures the formation of an optimal corrosion protection film.
QK Corrosion holds control and control units as well as all pipelines in the system free of sediments. Protects all new as well as already active heating systems. No special tools are required to fill QK Corrosion in a heating system.



MANUAL:

NOTE: Rinse heavily soiled systems thoroughly beforehand and clean if necessary with QR Cleaning Fluid

1. Empty approx. 20 liters of system water from the system.
2. Close the filling/draining tap (1).
3. Drain the filling hose of water.
4. Fill the QK Corrosion into the hose using a funnel.
5. Connect the hose to the tap (2).
6. Open the filling/draining tap (1).
7. Open the tap (2). QK Corrosion is now pressed into the heating circuit.
8. Close the tap (2) and the fill/drain tap.
9. Disconnect the hose from the tap (2) and empty it.
10. Repeat the process until the required amount of QK Corrosion is filled the system.
11. Then fill the heating system to operating pressure.
12. Fully open all heating and mixing valves.
13. Set the heating system to operating temperature.
14. Vent the system.
15. QK Corrosion must now remain in the system.
16. The dosage of QK Corrosion must be checked approx. 1 week after filling with Multiseal Test. Molybdate content should be between 250 and 400 mg / l Mo.
17. As QK Corrosion dissolves and loosens existing deposits, the heating system must be rinsed thoroughly after ca. 1 to 3 months.
    Then refill the system with QK Corrosion as described above, and measure the concentration again. Corrosion protection is lost if QK Corrosion is dosed insufficiently.

NOTE: We generally recommend consulting an authorized plumber before using the product.

The above information is based on our current experience. We reserve the right to make technical changes and improvements.

Safetydata for QK Corrosion
In case of contact with eyes, rinse immediately with water and con-sult a physician. In case of skin contact
wash immediately with plenty of water. Wear suitable protective gloves and eye / face protection when working. The usual precautions when handling chemicals must be observed!

Keep out of reach of children!

Disposal:
See safety data sheet.

Composition:
Molybdate-containing product with added CU inhibitors .

Mixing ratio:
1 liter of QS Corossion per 200 liters of system water.

Shelf life/Storage:
Unopened 5 years from date of manufacture.
Protect from frost.

NOTE:
There must be no additives in the heating system (frost and corrosion protection). The concentration of QK Corrosion must be checked once a year.

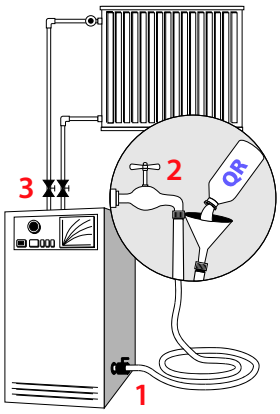
Concentrated Cleaning fluid for heating systems

Multiseal® QR Cleaning fluid

Removes limescale, rust and sludge deposits from pipe systems and increases system efficiency and thus reduces energy consumption. Can be used on all materials, such as copper, steel, stainless steel, aluminum, and plastic.

Packaging	Item-no.	EAN-no.	VVS-no.
1 liter	8044010	5708923906762	251231110

QR Cleaning fluid removes limescale, rust and sludge deposits from pipe systems and increases system efficiency and thus reduces energy consumption. Use of QR Cleaning Fluid is highly recommended in connection with modernization or cleaning and optimizing old heating systems. QR Cleaning fluid can be used on materials commonly used in thermal construction, such as copper, steel, stainless steel, aluminum, and plastic. No special tools are required to fill QR Cleaning Fluid in a heating system.



MANUAL:

NOTE: Rinse heavily soiled systems thoroughly beforehand using plenty of water.

1. Empty approx. 20 liters of system water from the system.
2. Close the filling/draining tap.
3. Drain the filling hose of water.
4. Fill the QR Cleaning fluid into the hose using a funnel.
5. Connect the hose to the tap.
6. Open the filling/draining tap.
7. Open the tap. QR Cleaning fluid is now pressed into the heating circuit.
8. Close the tap and the fill/drain tap.
9. Disconnect the hose from the tap and empty it.
10. Repeat the process until the required amount of QR Cleaning fluid is filled the system.
11. Then fill the heating system to operating pressure.
12. Fully open all heating and mixing valves.
13. Set the heating system to operating temperature.
14. Vent the system.
15. QR Cleaning fluid must remain in the plant 2 - 4 days at an operating temperature of max. 60˚ C. When the limescale deposits in the heating system dissolve, gas can be evolved. Provide adequate ventilation of the heating system before filling the QR Cleaning Fluid in to the system!
16. Then empty the heating system completely again and rinse it thoroughly with water.
17. Finally, refill the heating system with fresh water and add QK Corrosion protection if necessary.

NOTE: We generally recommend consulting an authorized plumber before using the product.

The above information is based on our current experience. We reserve the right to make technical changes and improvements.

Keep out of reach of children!

Disposal:
See safety data sheet.

Mixing ratio:
1 liter of QS Cleaning fluid per 200 liters of system water.

Shelf life/Storage:
Unopened 5 years from date of manufacture.
Store cool and protected from sun light.

NOTE:
There must be no additives in the heating system such as frost and corrosion protection or sealing fluids. (frost and corrosion protection). The concentration of QK Corrosion must be checked once a year.