

```
/* availableHeight) { jQuery('.ce_bgimage_96055').addClass('oversize'); } else {
jQuery('.ce_bgimage_96055').removeClass('oversize'); } }; jQuery(document).ready(function(){
oversize_96055(); }); jQuery(window).on("resize", function(){ oversize_96055(); }); /* ]]> */
```

## Optionen

### Piping

#### Piping

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Piping must be of a sufficient dimension to prevent losses. Minimum pressure rating of 16 bars. Optimum flexibility and clarity. Various materials for the respective application (CU,SS,PVC,PP,PE). Optimum insulation to avoid temperature fluctuations

### Water Treatment

#### Water Treatment

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Depending on the water quality and operating conditions, the use of special water additives is necessary to prevent deposits, corrosion, and contamination. Corrosion inhibitors are added to keep corrosion rates low. The selection takes into account the materials, water quality, and operating conditions. Combination products with a cleaning effect are often used to keep surfaces clean at the same time. Hardness stabilisers and dispersants can prevent new deposits and remove existing ones. In this case, having the appropriate filter technology is a prerequisite. The correct dosage is provided by quantity-controlled dosing pumps, depending on the level of water consumption. The use of broad-spectrum biocides is necessary to prevent system germination. Germs can attack materials, clog heat exchangers with slime, and change the water quality. Regular doses prevent this.

## Winter Relief

### **Winter Relief**

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"Winter relief" can be used whenever the outside temperature is lower than the required process temperature. In this scenario, outside air is used for cooling. A free cooling unit used for this purpose can also be used in summer, e.g. in plastics plants, to provide additional cooling for the hydraulic circuit.

## Heat Recovery

### **Heat Recovery**

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The heat generated in the cooling process can be recovered and used for indoor heating. This is often used in conjunction with hydraulic cooling in plastics plants.

## Filter Technology

### **Filter Technology**

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Stainless steel strainer basket filters with bypass for cleaning during operation. Protects the system against impurities and blockages in the heat exchanger channels. Reduces deposits of biological matter.

## Explosion-Proof

### **Explosion-Proof**

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L&R has comprehensive experience in planning cooling systems for areas at risk of explosion, in accordance with ATEX Directive 94/9/EC. In systems that conform with ATEX standards, (which L&R plans for chemical and process technology companies in particular), only appropriately certified electrical components are used. Static charges, sparks, and increased temperatures can be reliably excluded both while operating the system, and in potential fault situations.

## MHP - Hydrophysical Water Treatment

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const openEls = document.querySelectorAll("[data-open]"); const closeEls =
document.querySelectorAll("[data-close]"); const isVisible = "is-visible"; for (const el of openEls) {
el.addEventListener("click", function() { const modalId = this.dataset.open;
document.getElementById(modalId).classList.add(isVisible); }); } for (const el of closeEls) {
el.addEventListener("click", function() {
this.parentElement.parentElement.parentElement.classList.remove(isVisible); }); }
document.addEventListener("click", e => { if (e.target == document.querySelector(".modal.is-visible")) {
document.querySelector(".modal.is-visible").classList.remove(isVisible); } });
document.addEventListener("keyup", e => { // if we press the ESC if (e.key == "Escape" &&
document.querySelector(".modal.is-visible")) { document.querySelector(".modal.is-
visible").classList.remove(isVisible); } });
```