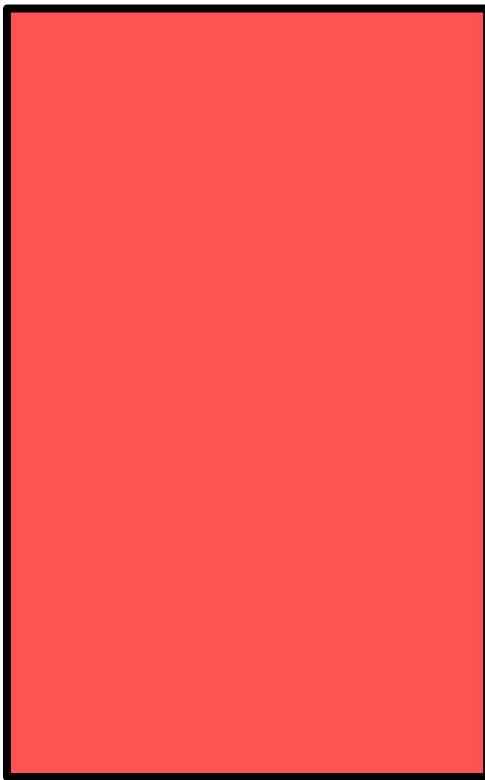
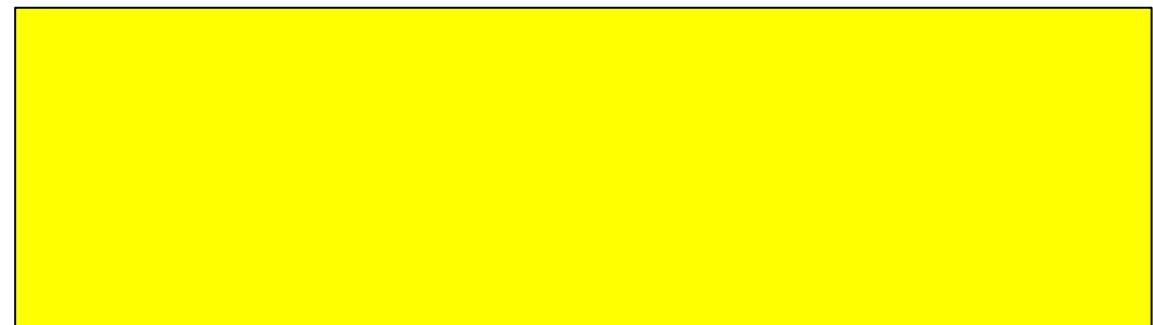


# Prinzip eines Wärmekraftwerkes

**Dampferzeuger**



**Turbine**

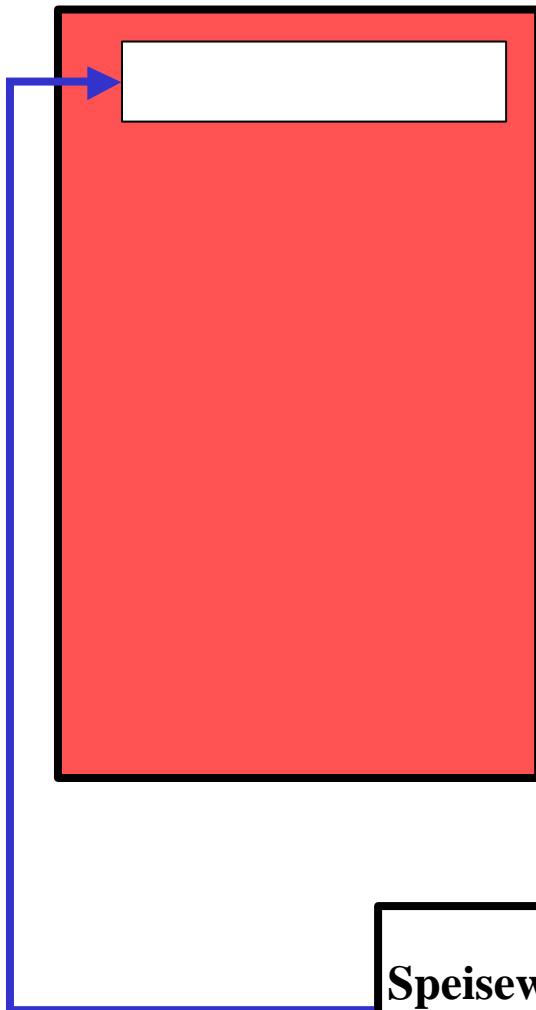


**Speisewasser-  
pumpe**

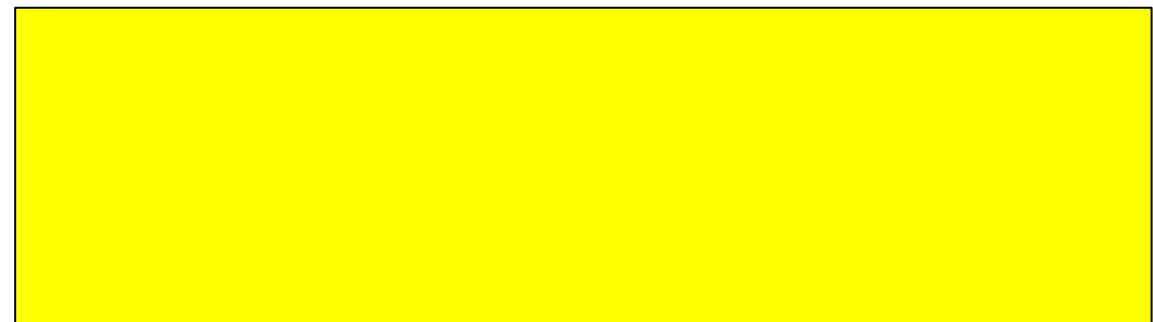


# Dampferzeuger

→ Wasser



# Turbine



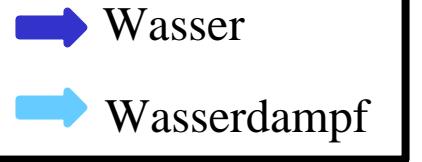
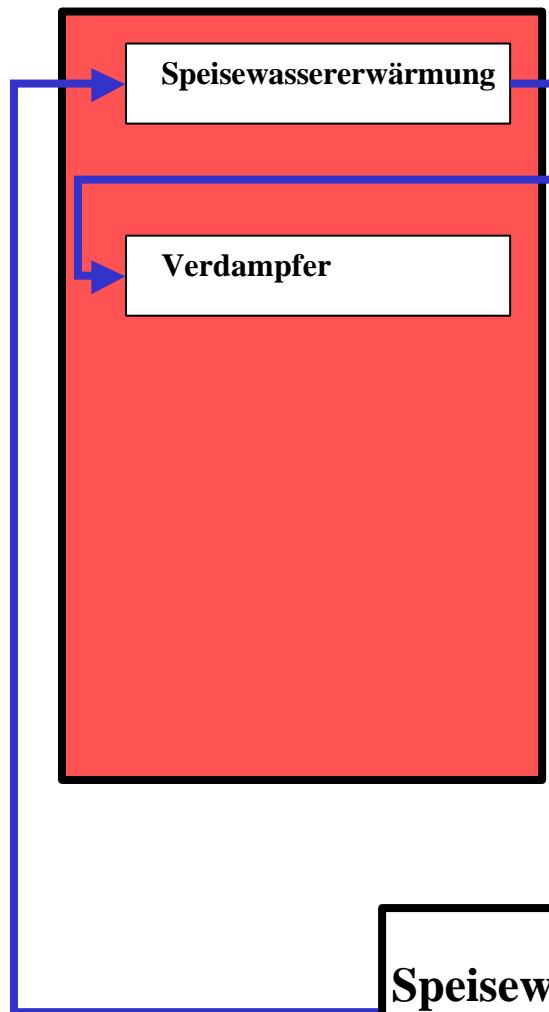
Speisewasser-  
pumpe

Drückt mit 160 -180 Bar

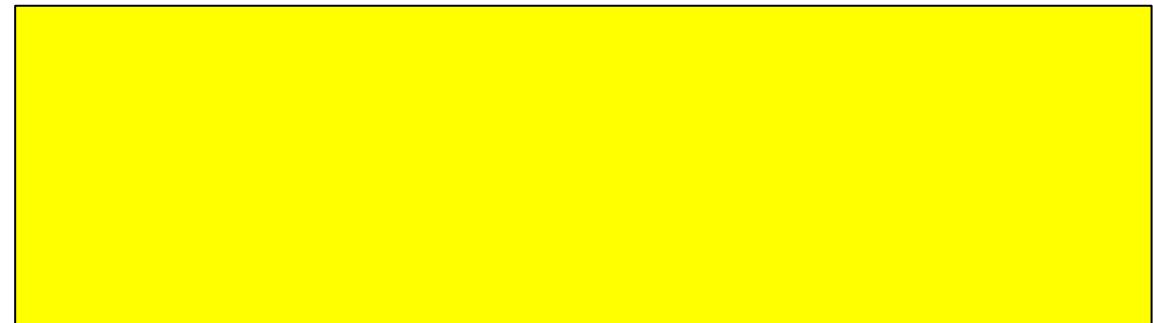
das Wasser in den Dampferzeuger



# Dampferzeuger



# Turbine



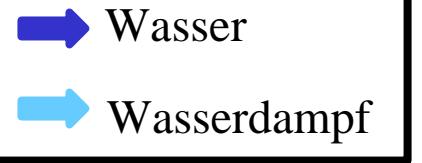
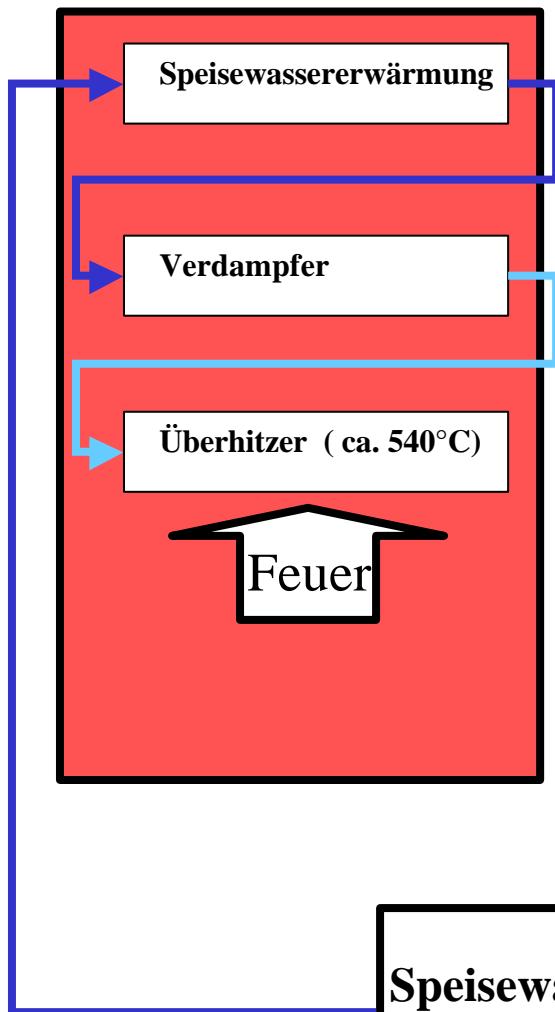
Speisewasser-  
pumpe

Drückt mit 160 -180 Bar

das Wasser in den Dampferzeuger



# Dampferzeuger



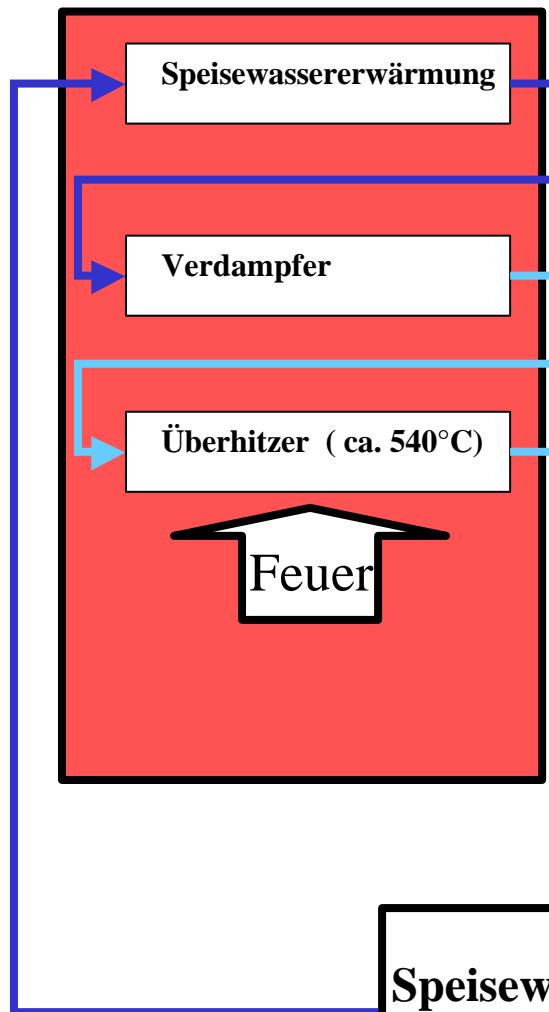
# Turbine

Speisewasser-  
pumpe

Drückt mit 160 -180 Bar

das Wasser in den Dampferzeuger

# Dampferzeuger



Wasser  
Wasserdampf

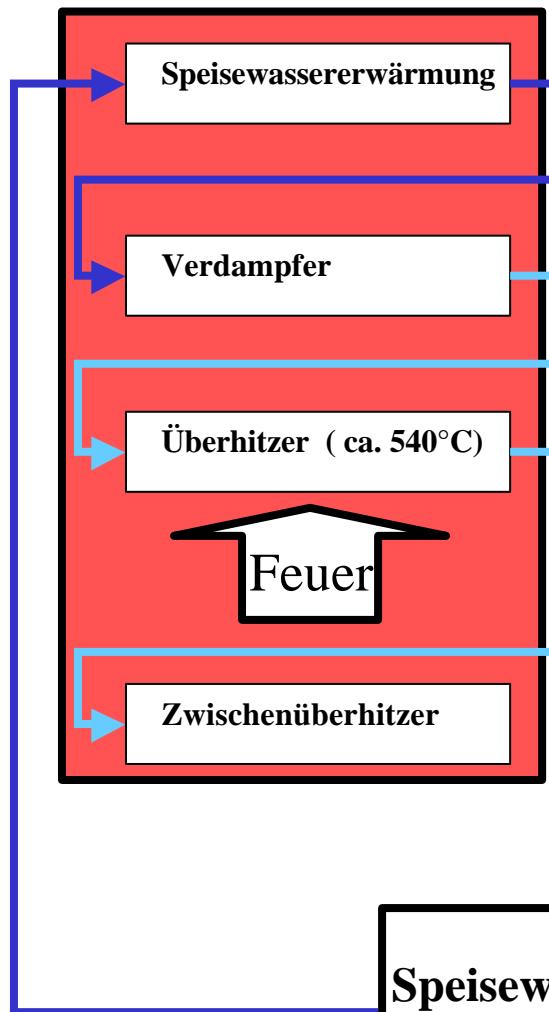
# Turbine

Speisewasser-  
pumpe

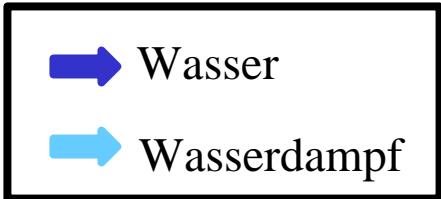
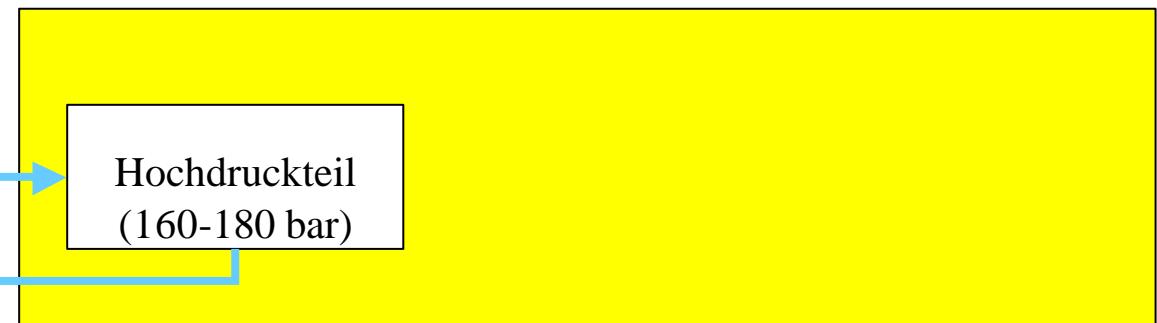
Drückt mit 160 -180 Bar

das Wasser in den Dampferzeuger

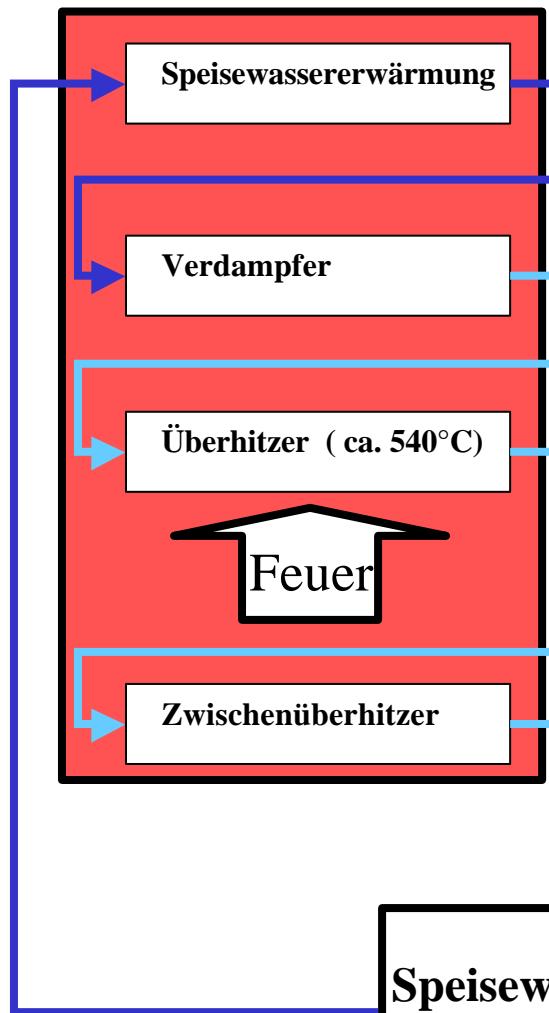
# Dampferzeuger



# Turbine



# Dampferzeuger

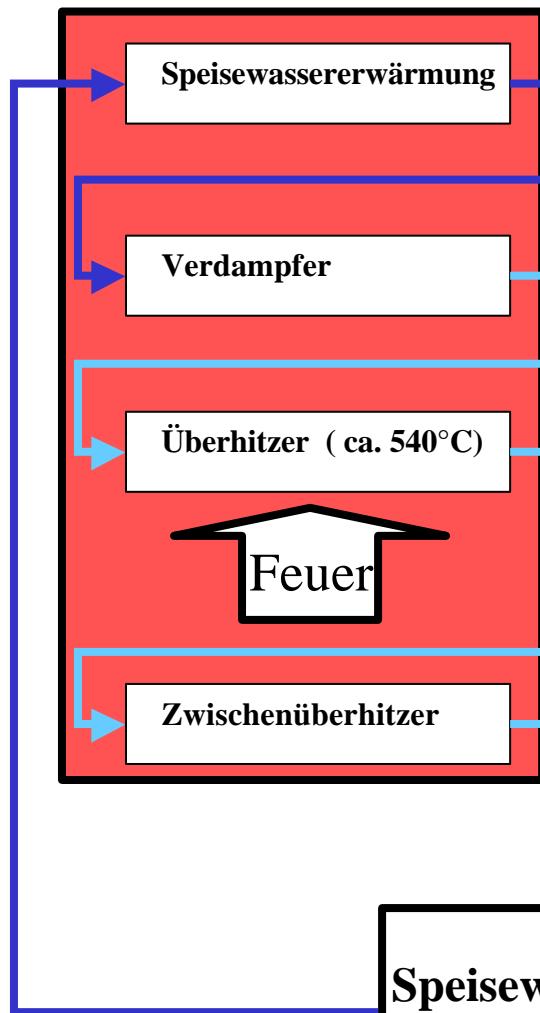


Wasser  
Wasserdampf

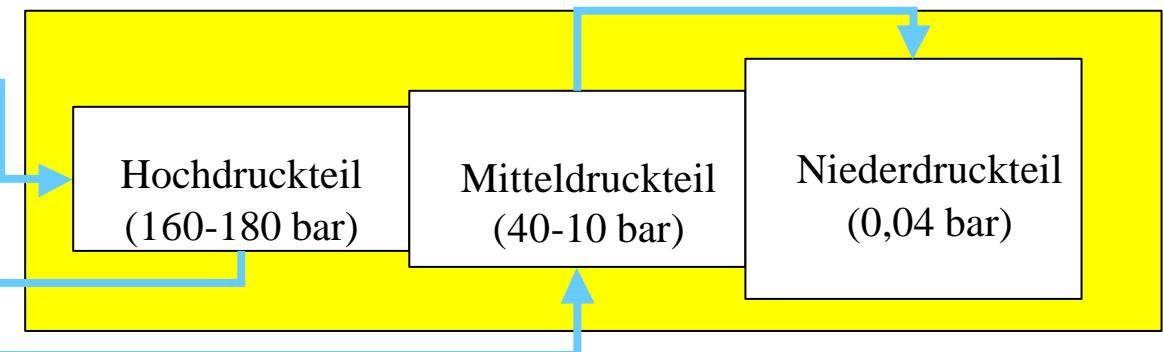
# Turbine

Drückt mit 160 -180 Bar  
das Wasser in den Dampferzeuger

# Dampferzeuger

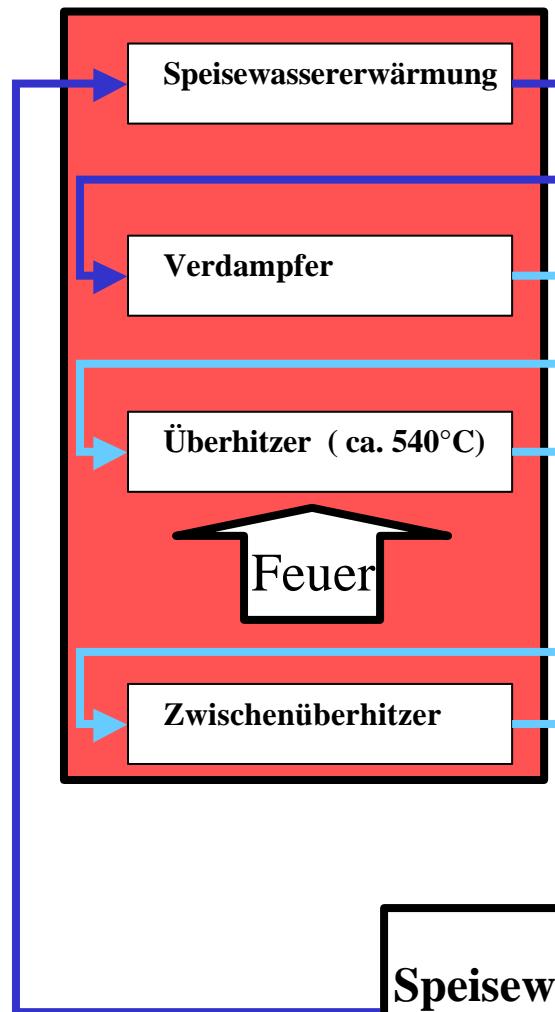


# Turbine

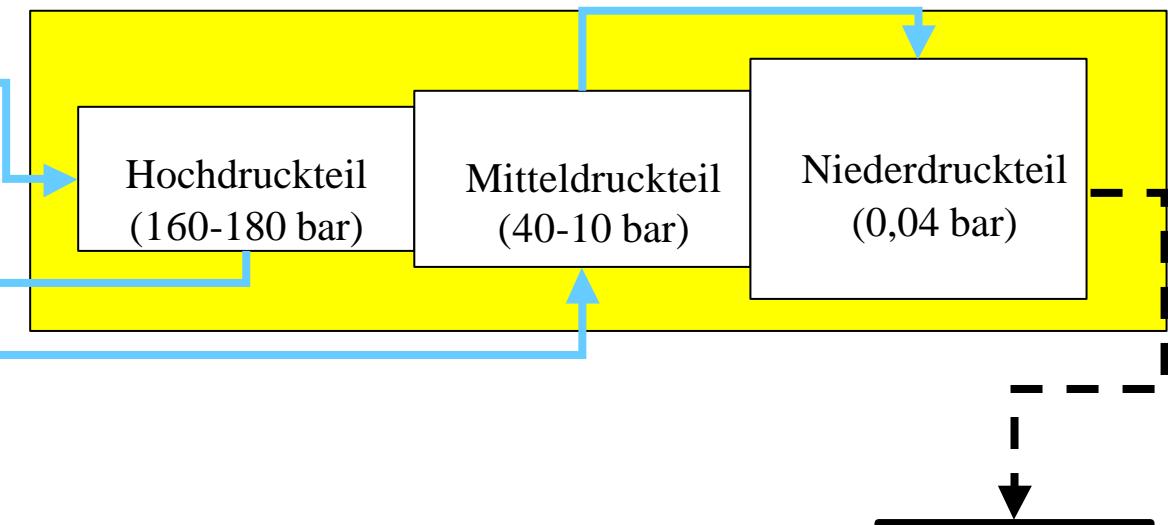


das Wasser in den Dampferzeuger

# Dampferzeuger



# Turbine



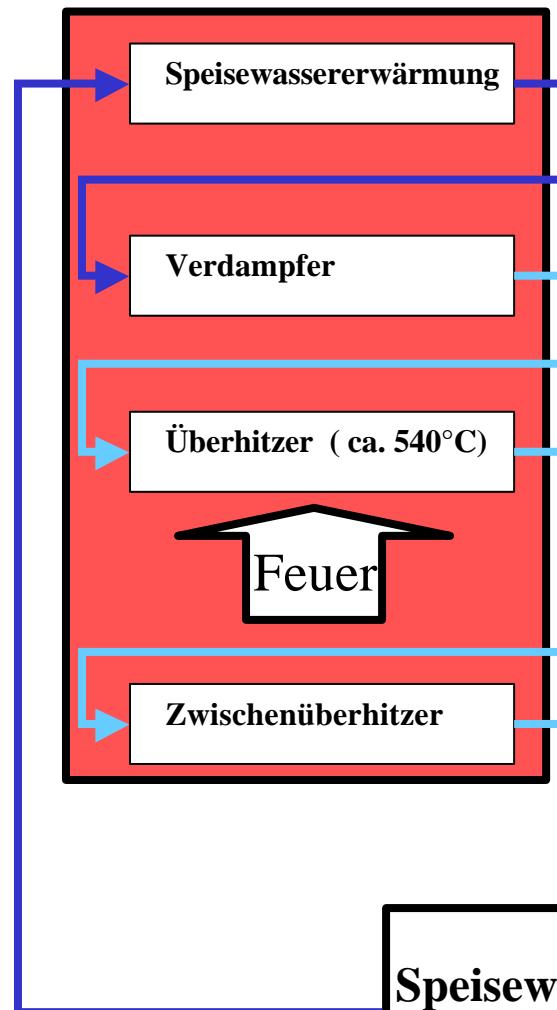
Generator

Drückt mit 160 -180 Bar

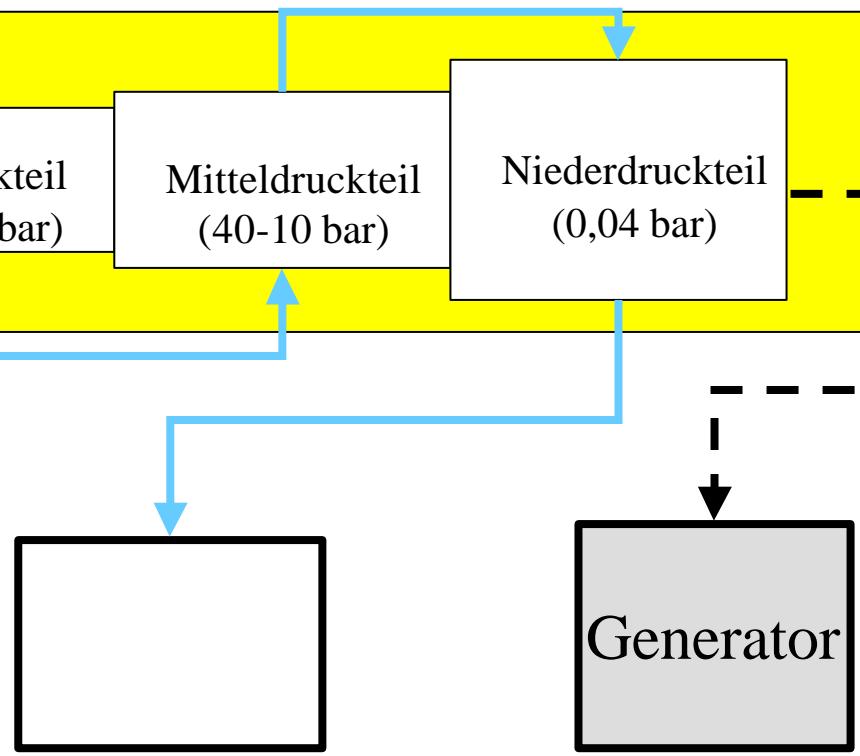
das Wasser in den Dampferzeuger

Speisewasser-  
pumpe

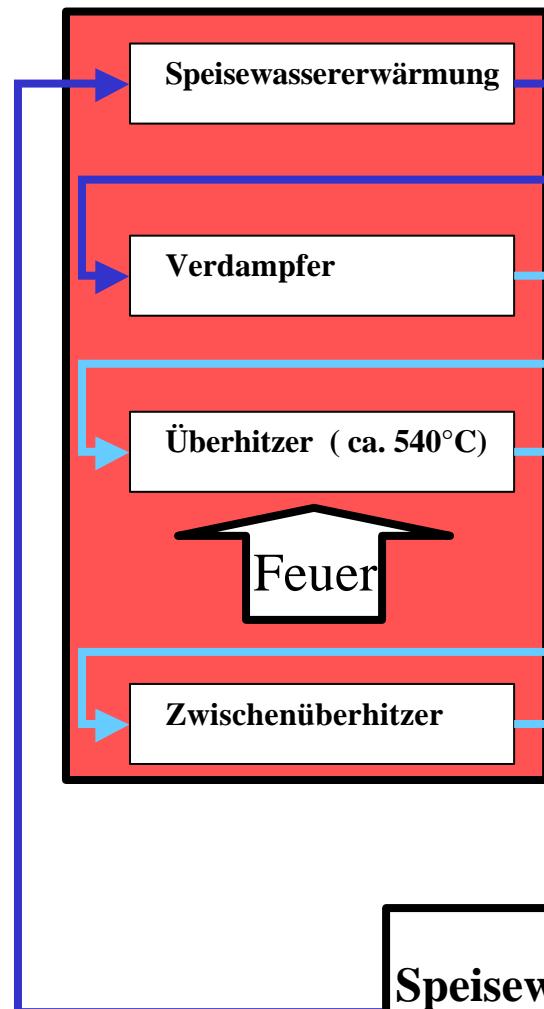
# Dampferzeuger



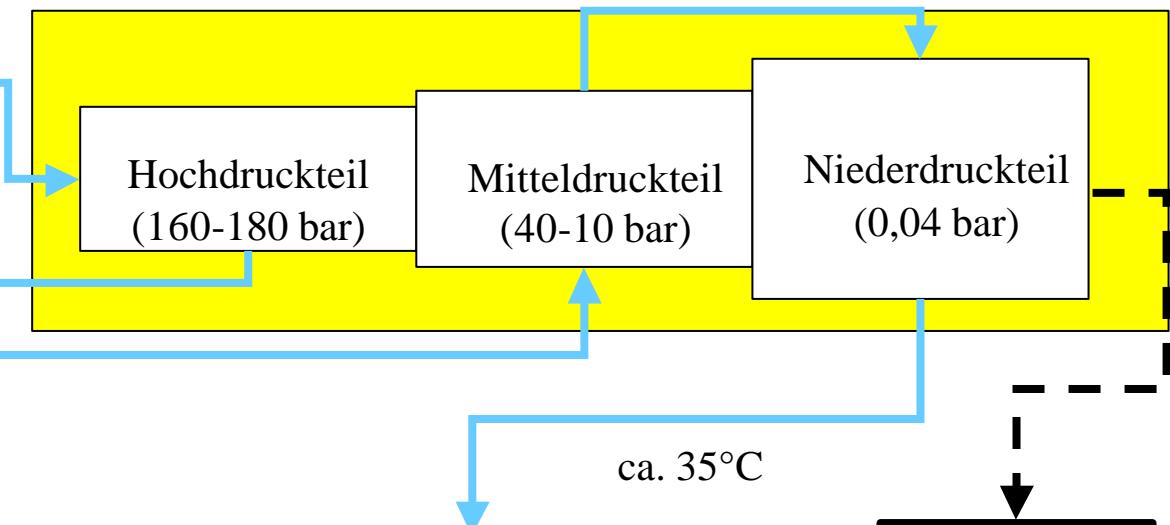
# Turbine



# Dampferzeuger



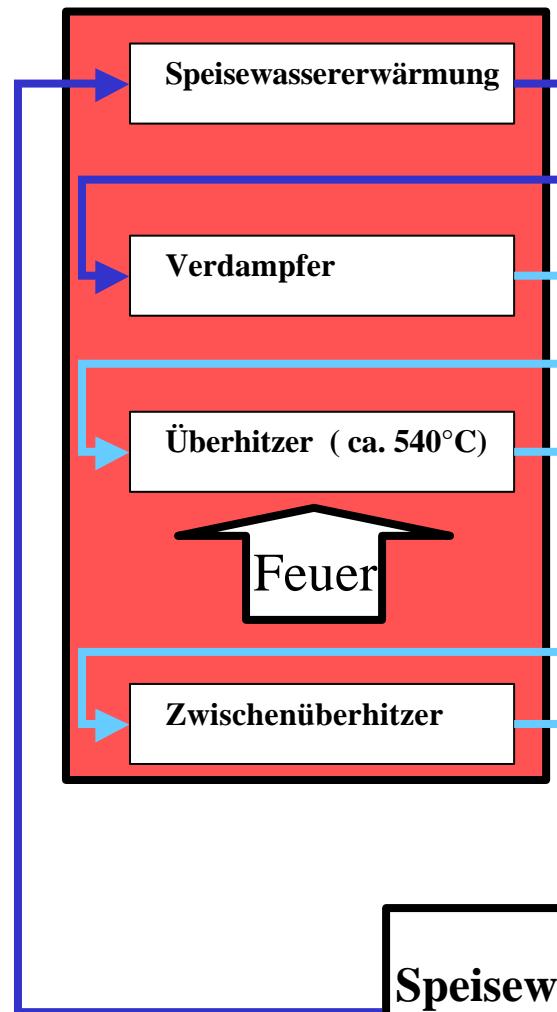
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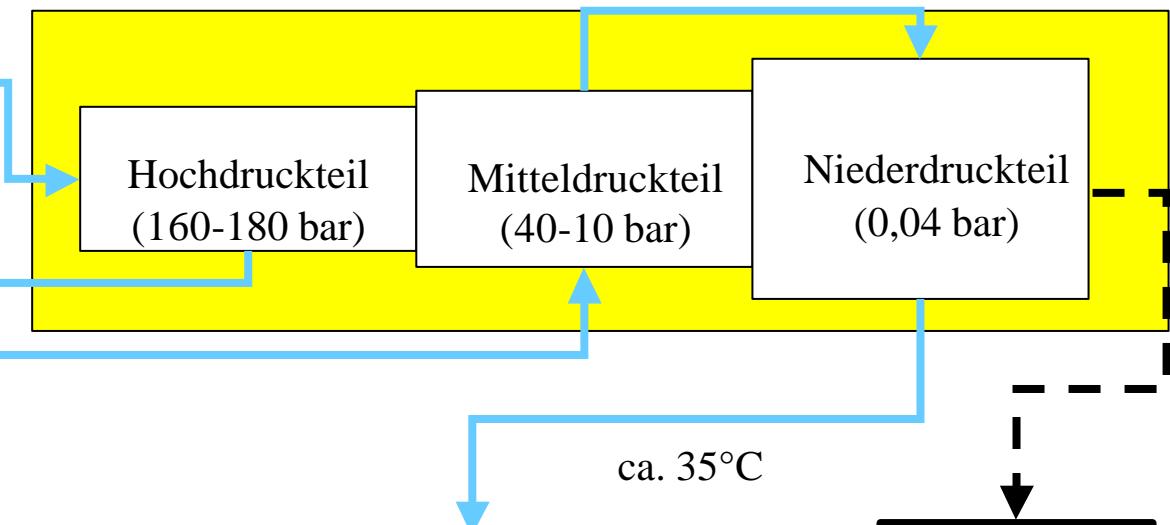
Drückt mit 160 -180 Bar

das Wasser in den Dampferzeuger

# Dampferzeuger



# Turbine



Drückt mit 160 -180 Bar

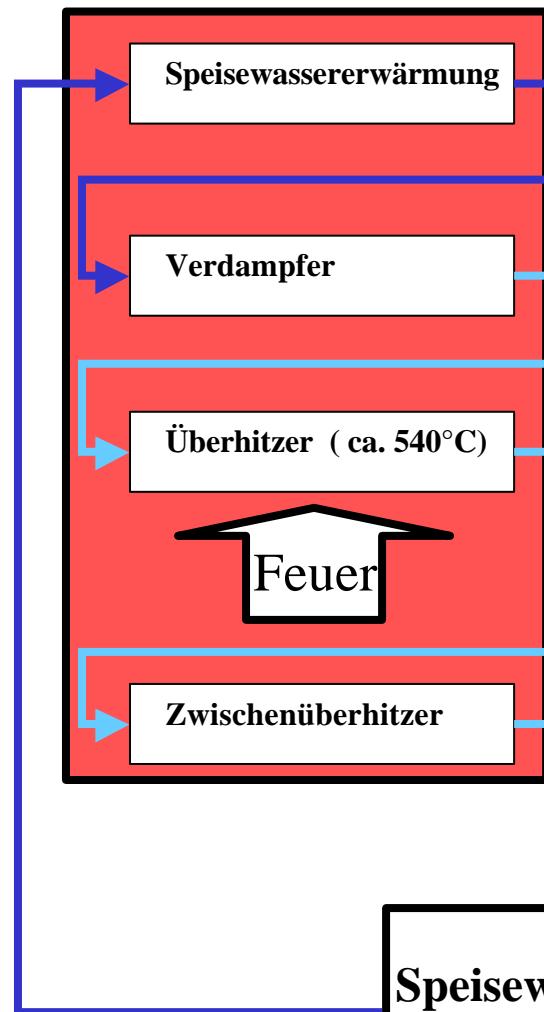
das Wasser in den Dampferzeuger

Unterdruck durch

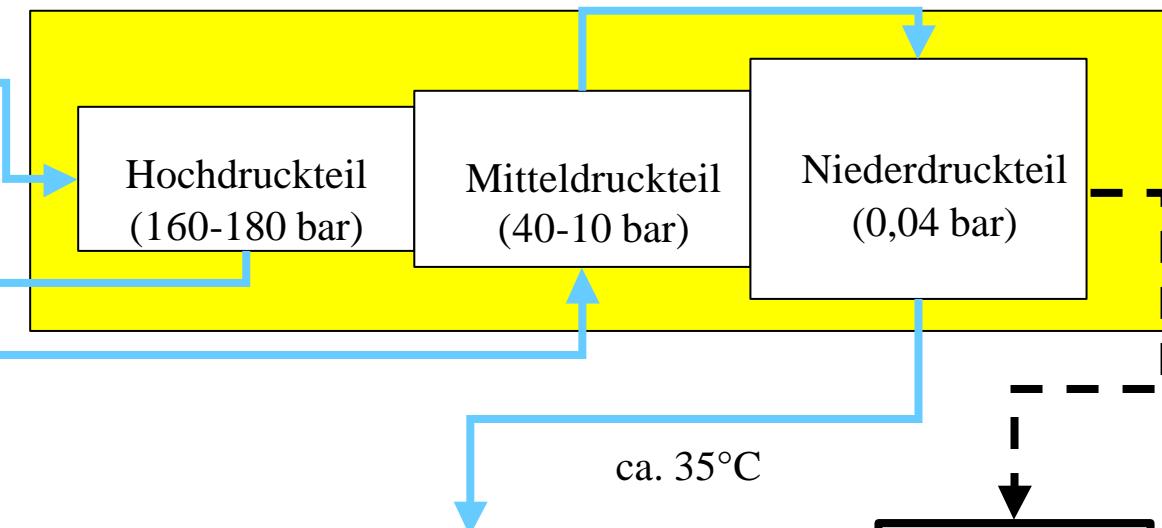
Abkühlung

# Dampferzeuger

→ Wasser  
→ Wasserdampf



# Turbine



Drückt mit 160 -180 Bar

das Wasser in den Dampferzeuger

Speisewasser-  
pumpe

ca. 25°C

Kondensator

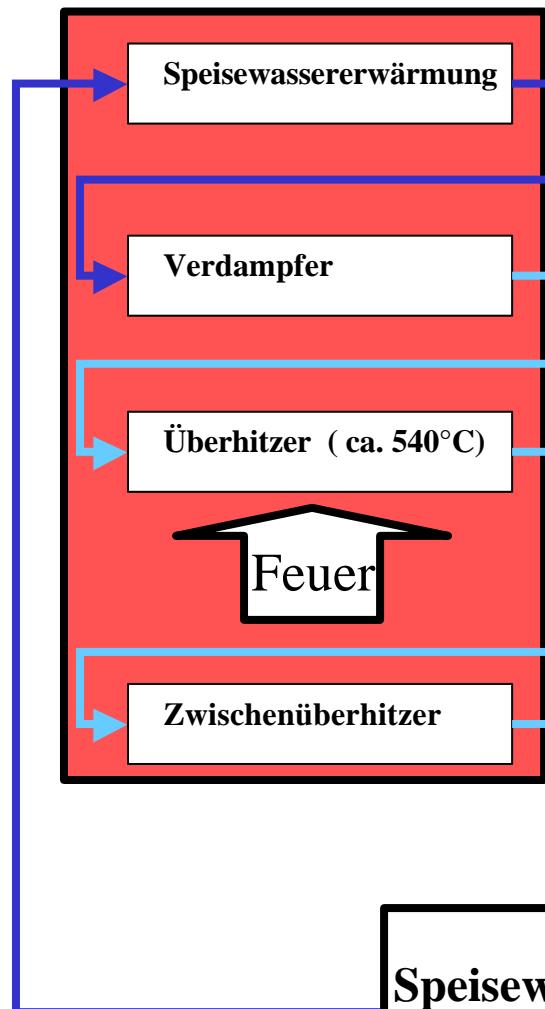
Unterdruck durch

Abkühlung

Generator

ca. 35°C

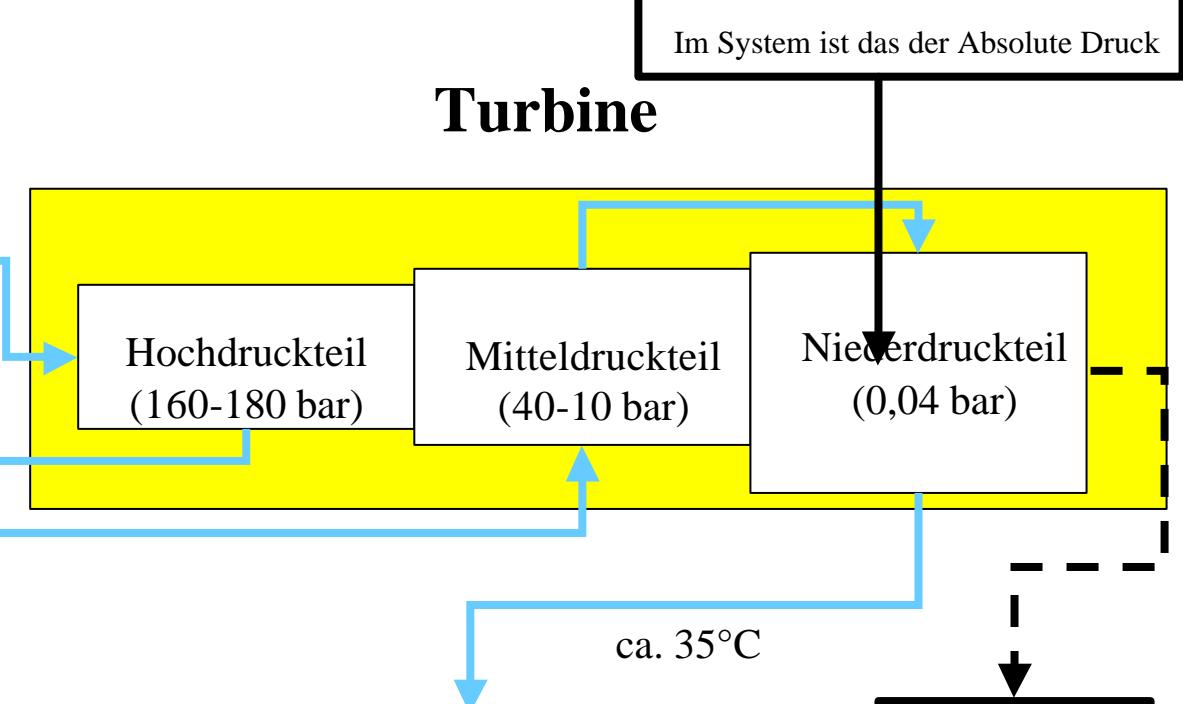
# Dampferzeuger



Der Normaldruck der  
Umgebung beträgt 1 Bar

Wasser  
Wasserdampf

# Turbine



Drückt mit 160 -180 Bar

das Wasser in den Dampferzeuger

Speisewasser-  
pumpe

ca. 25°C

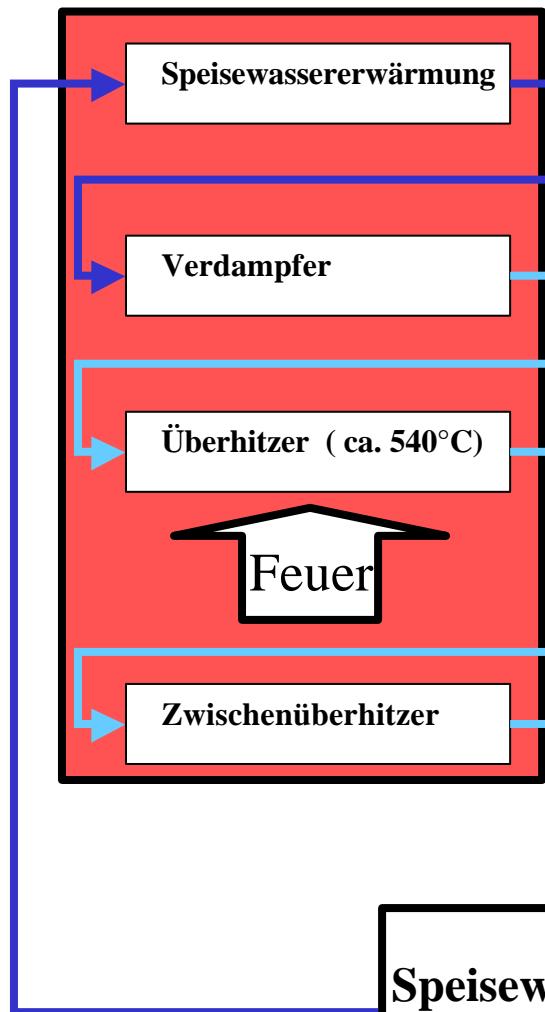
Kondensator

Unterdruck durch

Abkühlung

Generator

# Dampferzeuger



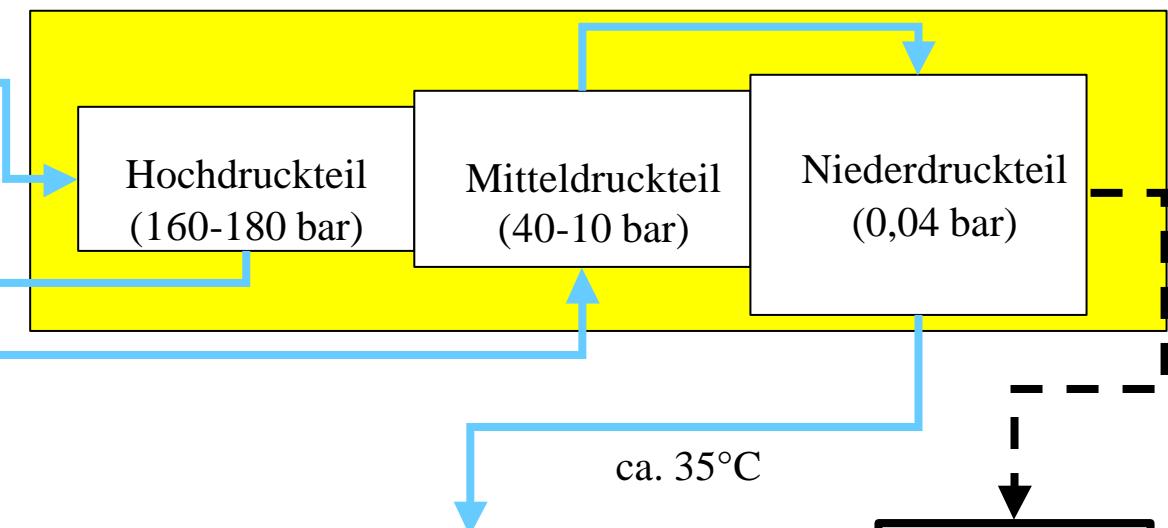
Der Normaldruck der Umgebung beträgt 1 Bar

Wasser

Wasserdampf

Im System ist das der Absolute Druck

# Turbine



ca. 35°C

Unterdruck durch

Abkühlung

Generator

Speisewasser-  
pumpe

ca. 25°C

Kondensator

Unterdruck durch  
Abkühlung

**Das war's!**

# Das Prinzip eines Wärmekraftwerkes