

$Q = m \cdot c_p \cdot dt$   
 $m = Q / (c_p \cdot dt)$

$dt_{\text{-Kondensator}} = 7\text{K}$   
 $Q_{\text{-Kondensator}} = 8000\text{J (Ws)}$   
 $c_{p\text{-H}_2\text{O}} = 4180\text{ J/(kg}\cdot\text{K)}$

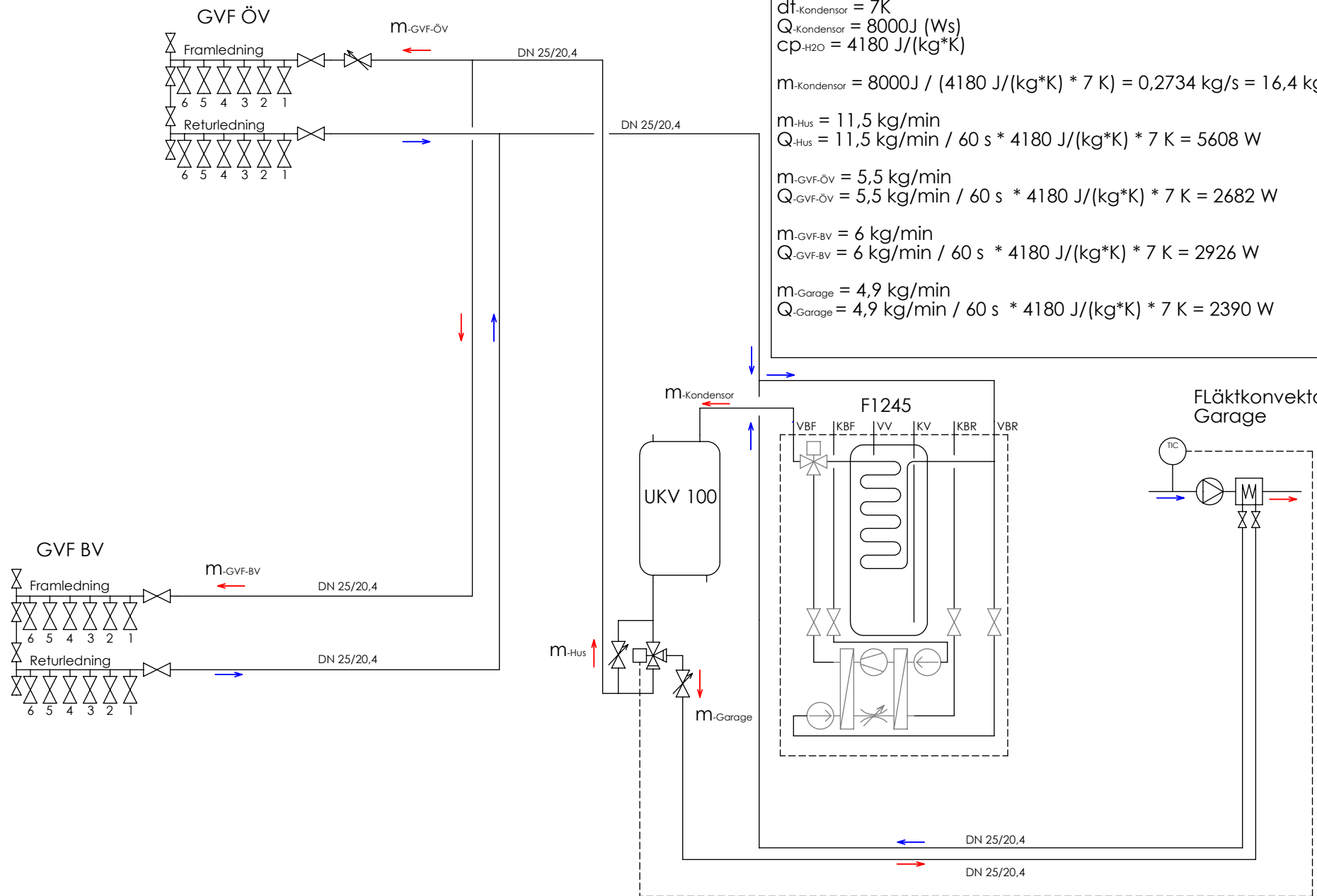
$m_{\text{-Kondensator}} = 8000\text{J} / (4180\text{ J/(kg}\cdot\text{K)} \cdot 7\text{ K}) = 0,2734\text{ kg/s} = 16,4\text{ kg/min}$

$m_{\text{-Hus}} = 11,5\text{ kg/min}$   
 $Q_{\text{-Hus}} = 11,5\text{ kg/min} / 60\text{ s} \cdot 4180\text{ J/(kg}\cdot\text{K)} \cdot 7\text{ K} = 5608\text{ W}$

$m_{\text{-GVF-ÖV}} = 5,5\text{ kg/min}$   
 $Q_{\text{-GVF-ÖV}} = 5,5\text{ kg/min} / 60\text{ s} \cdot 4180\text{ J/(kg}\cdot\text{K)} \cdot 7\text{ K} = 2682\text{ W}$

$m_{\text{-GVF-BV}} = 6\text{ kg/min}$   
 $Q_{\text{-GVF-BV}} = 6\text{ kg/min} / 60\text{ s} \cdot 4180\text{ J/(kg}\cdot\text{K)} \cdot 7\text{ K} = 2926\text{ W}$

$m_{\text{-Garage}} = 4,9\text{ kg/min}$   
 $Q_{\text{-Garage}} = 4,9\text{ kg/min} / 60\text{ s} \cdot 4180\text{ J/(kg}\cdot\text{K)} \cdot 7\text{ K} = 2390\text{ W}$



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