

Combination of training stands – example 4

Using training stand 4 (buffer storage, hydraulic switch and plate heat exchanger)



S1 geothermal energy source or floor heating

S5 heat pump

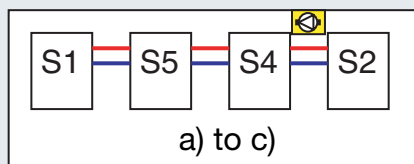
S4 hydraulic switch, plate heat exchanger and buffer storage

S2 compressor convector as the source or the sink

Possible uses for the training stand S4 in this constellation:

- a) Use with the hydraulic switch
- b) Use with the plate heat exchanger
- c) Use of the buffer storage
- d) Use as storage in series in the return line

Simplified view of the experimental set-up: a) to c)

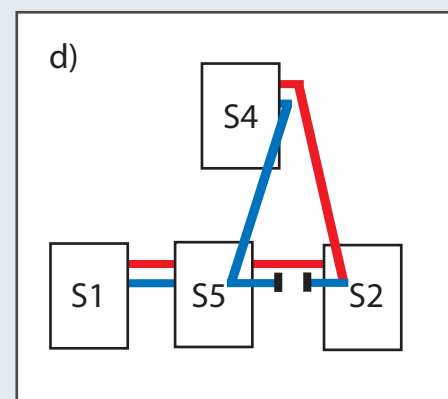


Experimental set-up

For a) to c) the training stands are included in the series arrangement by using the additional circulation pump.



Simplified view of the experimental set-up: d)



Experimental set-up

For d) the training stand S4 is included at right angles using flexible metal hose in the heating circuit feed or return line of the connection between the training stand S5 and the training stand S2 with the coupling piece from 3 ball valves.