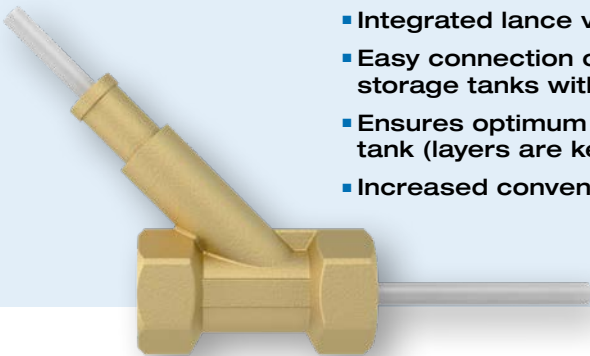


Circulation lance ZL 2



- Integrated lance valve, design with no dead space
- Easy connection of stratified combination storage tanks without circulation connection
- Ensures optimum function of the stratified storage tank (layers are kept)
- Increased convenience due to shorter lead time

Application Hydraulic connection assembly for tanks with drinking water flow heating to allow circulation mode for the domestic drinking water supply. Can be used in conjunction with the hot water circulation system WZS 100.

A stratified combination storage tank (corrugated pipe tank) which heats up drinking water according to the flow principle usually does not have a circulation connection. This frequently results in a connection problem. With the circulation lance, the circulation connection is made via the hot water outlet end. Thus, correct function of the stratified storage tank is ensured; the thermal layers are kept. The results in heating cost savings and electrical energy savings.

Description Circulation lance for mounting in hygienic tank, consisting of part SPP with sleeve ø 8 mm and PE-Xc pipe ø 8 mm. A part of the circulation return volume is resupplied to the tank via the lateral circulation connection of ZL 2, heated up by means of the counter flow method and removed via the hot water connection of ZL 2. This is done via the circulation hose located in the heat exchanger pipe of the tank. Returning the circulating hot water in an optimum way ensures that the layers in the stratified storage tank remain intact.

Technical specifications

System connections
Rp1 female

Connection circulation return
G¾ male

Operating temperature range
Medium: Max. 110 °C

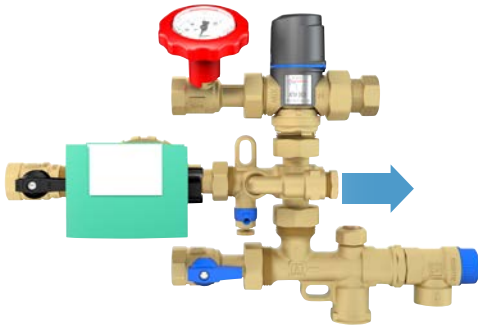
System pressure
Max. 6 bar

Material
Brass

Circulation hose
Ø 8 mm meshed polyethylene, 1.5 m long

Approval
Lance valve: SVGW certificate no. 0809-5419

Function principle external circulation



WZS 100 with circulation lance

In the case of external circulation, a partial volume is supplied to the stratified storage tank via the circulation connection and reheated in the upper area of the tank via the circulation lance. In the thermal mixing valve, the two partial flows are mixed together again to the adjusted reference temperature. Since only a part of the circulating water is heated directly in the top thermal layer of the tank, a mixing of the thermal layers is excluded.

DG: G, PG: 2	Part no.	Price €
Circulation lance ZL 2	68406	