

# Heating Buffer Tank – Technical Questionnaire

Please complete all applicable fields and return this questionnaire to: [solution@wsy.it](mailto:solution@wsy.it)  
Fields marked with \* are mandatory. Attach drawings or datasheets where available.

## 1. CUSTOMER INFORMATION

Company name *	<input type="text"/>
Contact person *	<input type="text"/>
Email *	<input type="text"/>
Phone	<input type="text"/>
Project name / Reference	<input type="text"/>
Required delivery date	<input type="text"/>

## 2. APPLICATION DETAILS

Application type \*:

Heating                       Cooling                       Combined

System description (brief)

Installation location \*:

Indoor                                       Outdoor

Site location (city, country)

## 3. BUFFER TANK SPECIFICATIONS

Required volume (if known)  m<sup>3</sup>

Number of tanks

Thermal stratification inside tank:

Yes – internal diffusers (standard)                       No

## 4. MATERIAL & MEDIUM

### Preferred Tank Material

Stainless steel                      Grade (if known):

Duplex stainless steel 1.4162 (standard)

### Surface Treatment

Pickling and passivation (standard)

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Other surface treatment

Please specify:

## 5. OPERATING CONDITIONS

Design min. ambient temperature \*

°C

Design pressure \*

bar (3, 6 or as requested)

Design operating medium temperature \*

°C

Heating system temperature regime Tin/Tout \*

°C

Design daily heating energy consumption

kWh/day

Design charging heating capacity

kWth

Design discharging heating capacity (load)

kWth

Thermal charging flow rate

m³/h

Thermal discharging flow rate

m³/h

Operating medium \*:

Water

Glycol

Other

If Glycol – type (MEG / MPG) & concentration % vol:

Chloride content in medium

ppm

pH of operating medium

Dissolved oxygen content

mg/L

## 6. INSULATION

Insulation required \*:

Yes

No

### Preferred Insulation Type

Polyurethane (PU) foam – standard

Stone wool (mineral fibre)

Other insulation type

Please specify:

Insulation thickness or max. heat-loss target

mm or W/m²

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## 7. OUTER CLADDING

- Trapezoidal profiled steel sheet, coated (standard)
- Trapezoidal profiled steel sheet, hot-dip galvanised
- Aluminium sheet
- Stainless steel sheet
- No cladding required

## 8. CONNECTIONS

Standard quantities are indicative. Specify DN and additional nozzles in the rightmost column.

#	Connection Item	Std. Qty	Requested Qty / DN / Notes
1	Manhole	1	
2	Hot Charging Inlet flange	1	
3	Hot Discharging Outlet flange	1	
4	Cold Charging Inlet flange	1	
5	Cold Discharging Outlet flange	1	
6	Drain flange	1	
7	Vent flange	1	
8	Vacuum Relief Valve flange	2	
9	Pressure Safety Valve flange	2	
10	Pressure sensor flange	1	
11	Temperature sensor flange	1	
12	Lifting Eyes	2	
13	Nozzle PN rating	PN16	

Attach P&ID or arrangement drawing if available.

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## 9. ACCESSORIES

#	Accessory Item	Std. Qty	Requested Qty / Notes
1	Vacuum Relief Valve	2	
2	Pressure Safety Valve	2	
3	Pressure sensor	1	
4	Temperature sensor	1	

Other accessories

Please specify:

## 10. DELIVERY & LOGISTICS

### Delivery Terms (Incoterms® 2020)

EXW – Ex Works

FCA – Free Carrier

DAP – Delivered at Place

DDP – Delivered Duty Paid

Other Incoterms® 2020 term

Specify:

Delivery address (if different from project site)

Special transport or lifting requirements

## 11. ADDITIONAL REQUIREMENTS / COMMENTS

### SUBMISSION

Please save the completed questionnaire and return it to:

[solution@wsy.it](mailto:solution@wsy.it)