Heating Buffer Tank – Technical Questionnaire

Please complete all applicable fields and return this questionnaire to: solution@wsy.lt
Fields marked with * are mandatory. Attach drawings or datasheets where available.

1. CUSTOMER INFORMATION

Company name *

Contact person *

Email *

Phone

Project name / Reference

Required delivery date

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) m³

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)

☐ 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) & concentratic — % 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

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.

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.lt