

C					
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A	General schema of chilled water piping				05/05/10
Rev.	Description				Date
Scale:	According to international laws , this drawing is the property of WEBASTO. The drawing and contents can not be made public, copied or otherwise used, without our written consent.				
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Data name:		Shipyard project: STORM FORCE PROJECT			
Name:					
CHILLED WATER PIPING STORM FORCE PROJECT					
Format	List		Number document	001	VERSION
A3					A

LEGEND:

- CHILLED WATER RUNNING
- CHILLED WATER RUNNING BACK
- $\frac{XYZ \text{ l/min}}{XYZ \text{ m/s}}$

TUBE WATER FLOW RATE/VELOCITY
- SHUT-OFF VALVE
- TA HYDRONICS STAD FLOW REGULATOR
- dXX

minimal internal diameter of the pipe (D)
- $V2$

thermostatic 3 way valve
- $V1/V3$

ON/OFF 3 way valve

- NOTE:
- pipes, fittings and valves are made of thermoplastic, +GF+ PP-R
 - pipes and accessories must have factory certificate
 - pipes to be connected with water-resistant glue and remove coupling
 - pipe & pipe penetration through the bulkhead in engineroom must have certificate - A60 class
 - the highest point of pipelines to be provided with air vent system
 - max. working pressure 3bar
 - after installation piping have to be hydraulically tested with pressure of 4bar
 - pipelines and accessories insulated with thermal insulation, synthetic foam, non-combustible and water-vapor-resistance
 - condensate discharge pipelines have to be installed with mentioned inclination of min. 0.3%
 - connection between "T-C" & valve on piping diagram, executed with flexy pipes
 - installation have to be fill up with mixture (25%-30%) water/antifreeze in proportion which prevent freeze to -10°C

