Preparatory **PLUMBING**
specifications and guidelines

HYDROco
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Hydrostorm Showering System

- The following information is to assist the plumbing contractor in preparation for the delivery and installation of a Hydrostorm Showering System
- All plumbing work performed **MUST** be in accordance with the local and national codes.

GENERAL DESCRIPTION

The Hydrostorm is a stand alone hydrotherapy Showering System for 1 or 2 bathers. It is wet room equipment and as such the room in which it is to be placed must be fully tiled and have an appropriate floor drain for removal of excess water and condensation

	REQUIREMENTS
Hot and Cold Water Supply – 1" inch	• 1" hot & cold lines should exit the floor as shown in the floor plan provided. • Hot & cold water supply lines are to be connected to the 1" female unions provided underside of the Hydrostorm. Fit shut-off valves in water supply lines. • A 2" (50mm) clearance between the Hydrostorm chassis and the floor is allowed for in the design. The clearance allows for the correct routing of the water supply lines • Ensure that water lines are purged of sand and grit etc… prior to final connection to the unit. **Failure to do so may cause the ceramic seats in the stop cocks to be damaged. Damage of this nature is not covered under warranty** • It is recommended that 1" true-flow in-line serviceable water strainers be fitted.
Operating Hot Water Supply	• An operating Hot water supply temperature of between 122ºF (50ºC) and 140ºF (60ºC) is required.
Water Drainage – 2x2" drains required. Floor sinks recommended	• 2 x 2" drains should be located as shown in the floor plan provided. • The Hydrostorm drainage system is to be connected to one of these floor drains. • An additional floor drain is required in the room to cater for drainage of the floor and in the event that flooding may occur.
Operating Pressure	• An operating water pressure between 43.5 PSI and 145 PSI max is required. • For optimum shower performance a pressure of approximately 60-70 PSI is recommended.
Water Consumption	• Based on a 20 minute steam session and a 3 minute full shower session, a water supply of 80 gallons (375 litres) of water is required. • 50 gallons (225 litres) of this is to be hot water • The above calculation accounts for all showers (10 in total) being fully operational in both zones and therefore represents the maximum volume required. Typically all showers are not set at full flow and therefore less water is used during a session; e.g. 50 gallons (225 litres) per session with 45 gallons (121 litres) of this amount being hot water is typical • For calculation purposes; steam uses approx 1.25 gallons (5 litres) per minute. Showers can use up to approx 2.5 gallons (10 litres) per minute at full flow. There are 10 shower in the Hydrostorm that can be adjusted to reduce usage to approx 1.25 gallons (5 litres) per minute • Treatment sessions are to be designed in order to control the operation of the Hydrostorm resulting in responsible management of water usage NOTE: Water consumption is based upon HydroCo treatment procedures.

Manufacturer reserves the right to amend specifications without prior notice

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