

Blue Building Consulting Ltd. Scotland

Flow Rate Tests for the Blue EcoPower Project

The following report shows a very small section of a test experiment that we carried out regarding "real" flow velocities of water in pipes. The theoretical data differed considerably from the actual flow velocities found in practice.

This also applies when calculating flow rates in a vacuum, taking into account different materials, the pipe friction coefficient etc. Depending on the temperature and pipe diameter, the pressure loss for the parameters we use with the Blue EcoPower, can be up to 44.0945 mbar. This already results in enormous losses in the flow velocity of the water-steam mixture. The working media of mechanical drive units are always directly or indirectly gases or vapours. According to the laws of thermodynamics, this has the advantage of converting large volumes, but also the disadvantage that they have a relatively low mass and the specific energy content (despite a large delta T) is unsatisfactory.

For this purpose, we have developed new technological insights. We already have revolutionary technologies, which contribute to the fact that large amounts of energy can be gained. It is not only the advantage that under vacuum in the evaporation process two thirds of energy are saved compared to the normal atmosphere, - this Blue Building process allows us to save up to 90% energy to heat water vapour in such a way that mechanical drive machines will run continuously. It will become really interesting when we will also implement a certain self-dynamics of the flow velocity through thermodynamic reactions in practice.

Performed by:

The-Environmentalist









Experimental Setup

without heat exchanger Pos. +2432 m³ Flow 2993.9 l/h Vel. 0.733 m/s S = 752.754 Q = 82 R



with heat exchanger

Pos. +2432 m³ Flow 66.316 l/h Vel. 0.0162 m/s S = 782.784 Q = 96 R LITRASONIC FLOWMETER

Scale			Ê	Bl	ue Buildin -Voice of o	g [®] Consulting	Auchterarder PH3 1QE Scotland, UK P: +44 1764 680889 info@blue-building.org https://www.blue-building.org/ https://www.bluebuilding.uk/
Revision	Name	Date		Name	Date	Project	
			Drawn by	MG	10.06.2020		
			Designer	SN	10.06.2020	Velocity Dis	tribution of Water
						,,	
This drawing is made and therefore owned by Blue Building Holding Ltd. and are subject to copyright and other laws protecting intellectual property. No dublication or third-party access can be given without our written permission. Any misuse by the receiver or a third party will be						Name	Drawing Number
prosecuted throug	gh law and o	ivil rights.	,				



Experimental Setup









Blue EcoPower means to undertake responsibility with the great opportunity, changing sustainable the environment

Scale			Ê	Blue Building [®] Consulting -Voice of environment-				hterarder : 1QE Scotland, UK 44 1764 680889 @blue-building.org s://www.blue-building.org/ s://www.bluebuilding.uk/
Revision	Name	Date		Name	Date	Project		
			Drawn by	MG	10.06.2020			
			Designer	SN	10.06.2020	Velocity Distribution of Water		
						,,		
This drawing is ma	de and t	herefore owned	l by Blue Building Holdi	ng Ltd. ai	Name		Drawing Number	
copyright and other be given without of prosecuted through	r laws pro our writte I law and o	tecting intellect n permission. A vivil rights.	ual property. No dublication any misuse by the receiv	on or third er or a t			-	

Offering the possibility to create renewable energies in close touch with nature, is a gift of our earth and sun; and should be used with the highest priority.



Phone +44 1764 680889 23 Windsor Gardens, Auchterarder PH3 1QE Scotland, United Kingdom Blue Building Environmental Organisation Ltd. Blue Building Consulting Ltd.

E-mail: info@blue-building.org https://www.blue-building.org/ https://www.bluebuilding.uk/