



STORK SMALL

ULTRA CLEAN WATER

FROM FRESH WATER



Revision date: 12.01.2014



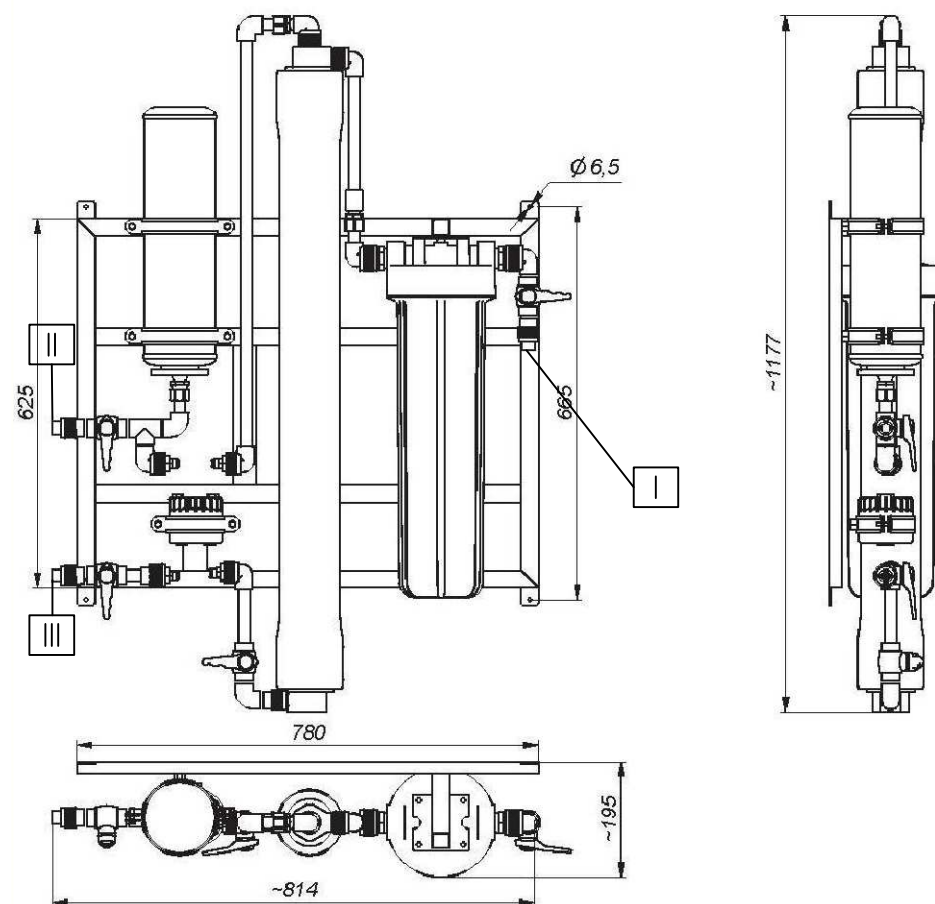
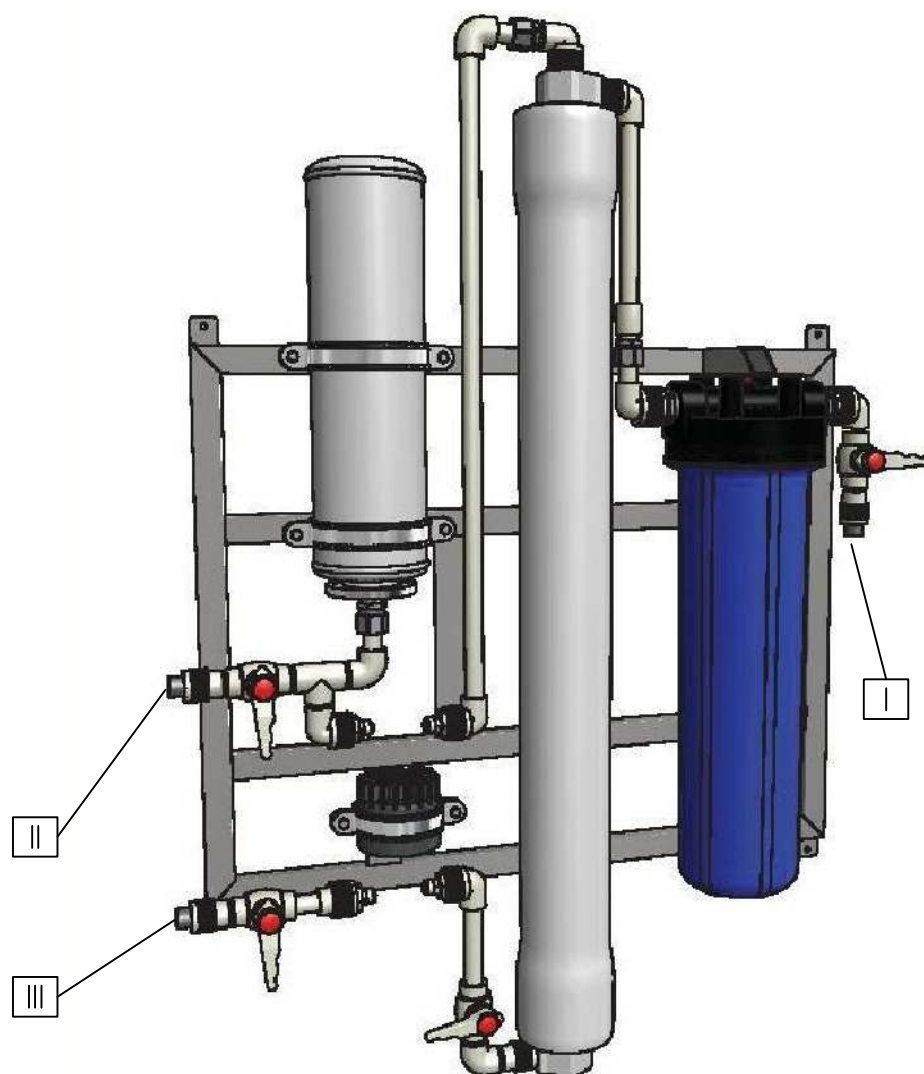
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STORK SMALL – ULTRA CLEAN WATER FROM FRESH WATER

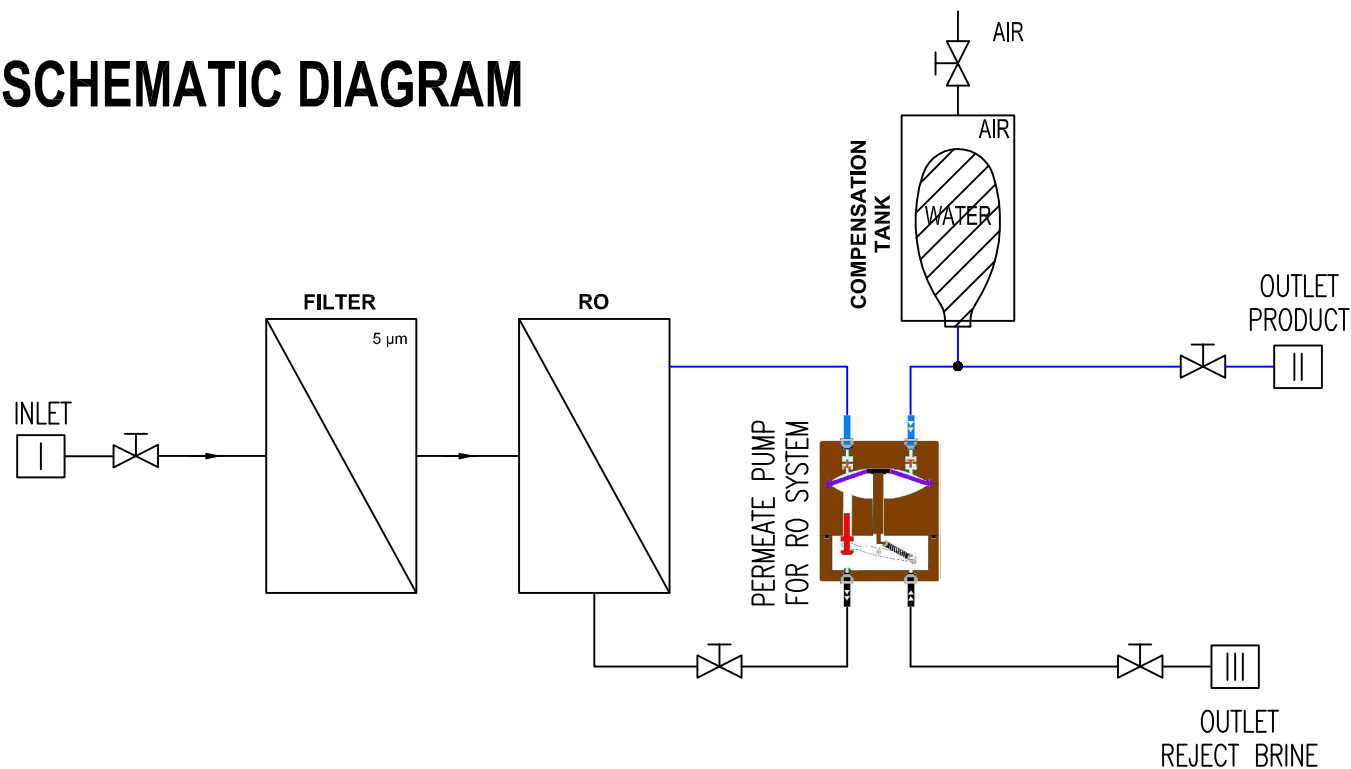
date: 12.01.2014

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SCHEMATIC DIAGRAM



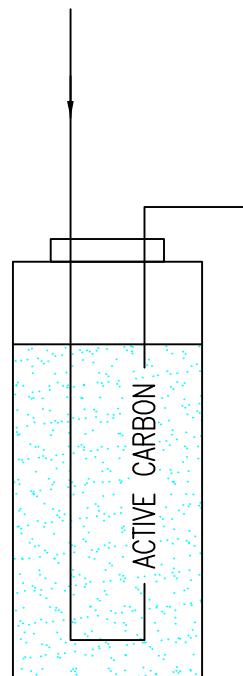
SYMBOLS AND MATERIAL SPECIFICATION

Symbol	Specification	Quantity
	Branching pipeline	–
	Valve	5

Item	Name of connection	DN
	FRESH WATER – INLET	G 1/2"
	PRODUCT – OUTLET	G 1/2"
	REJECT BRINE – OUTLET	G 1/2"

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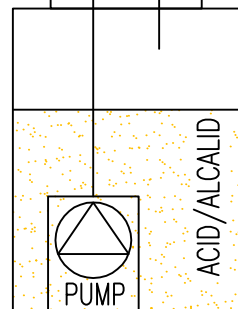
INLET
IF WATER IS
CHLORINATED



ACTIVE CARBON

OCTOPUS

CHEMICAL
TANK



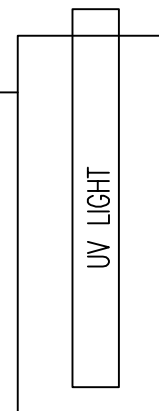
ACID/ALCALID

PUMP



DOLOMITE

UV
RADIATION



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Est. 1992

FOR DRINKING

II

INLET
CHEMICALS
1/2"

IV

CHEMICALS
OUTLET
1/2"

III

PRODUCT ACCEPTED
OUTLET
1/2"

V

CONDENSATE
OUTLET

1/2"

INLET
DIRTY WATER

I

1"

STORK

VI

DIRTY WATER
BEFORE UF
1"

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STORK SMALL

Simple Reversed Osmosis water cleaning unit.

STORK SMALL (called later Stork) do not need electric power supply.

Stork is powered by water pressure from supply. That incoming water should not be salt water (only fresh water), with pressure minimum 1-2 bars. Max incoming pressure is 7 bars.

Maximum output (product) is 300 liters per day.

Product is Ultra Clean water, little acid (pH below 7) and without any content of minerals. Such water can be used for many purposes. After mineralization and preferable UV (ultraviolet) treatment is potable.

Stork stops 99% of substances from incoming water such as:

- suspended particles like sand
- suspended live pathogens like bacteria and viruses
- dissolved minerals like: salts azotans and poisons like Hg,
- dissolved organic poisons like dioxins, furans, hormone, ethers and so on.

Stork is equipped with incoming filter 5 microns to protect RO membrane. After some time, depending on the incoming water the filter will need to be changed. RO membrane is very robust and the life time of it is very long (years), depends on the treatment of the unit, it can be even chemically cleaned.

The incoming pressure have to be few bars. The same pressure will be finally on the product.

The brine - condensed water is dropped to the sewage. The flow of the brine stops when the product is not taken and compensation tank is full.

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