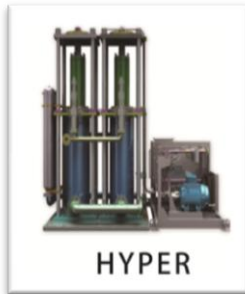
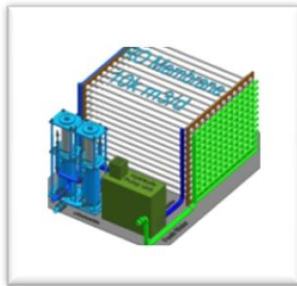
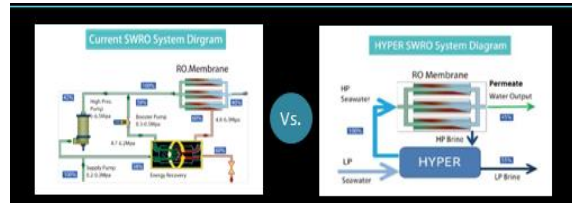


HYPHER - A Breakthrough Cost Saving Tech for RO Desalination System

HYPHER is developed by Sinomira Water Pte. Ltd. and be supported by Singapore EDB & PUB. A HYPHER-1000CMD demo plant has been tested in PUB Tuas R&D Center. The RO energy consumption is between 1.6-1.9kwh/cub.m which is over 20% energy saving vs. 2.1-2.4kwh/cub.m. of current RO system. (calibrated and measured by Singapore National Metrology Center)



HYPHER is the Hydraulic driven pumping and energy recovery integrated system. It applies oil hydraulic pump to replace water centrifugal pumping, completing pumping and energy recovery in the water cylinder at the same time. It is an **all in one** machine having the function of HP, ERD, BP and VFC and etc.



Besides high energy saving than current RO system, HYPHER can be auto-adaptive to variable salinity feed in water, and direct-coupling to unstable renewable energy such as solar PV or wind power. Thus HYPHER can largely reduce water treatment cost and step to Green SD. HYPHER can be applied to all RO system such as seawater/brackish water desalination, reclaimed newwater, industrial waste water treatment, renewable energy driven RO, with a capacity from 0.1cmd to 20Kcmd per unit. It will greatly save your Cap.Ex and Op.Ex.

Please come to our booth at SIWW L1-R13 for more details, or visit our demo plant at PUB Tuas R&D center in July 8th and 12th.

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