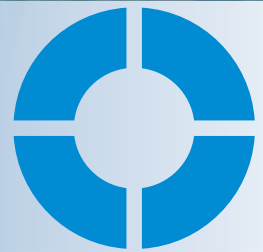




DESALINATION

PLASTIC PRODUCTS FOR SEAWATER DESALINATION PLANTS



agru

Worldwide Competence
in Plastics



Today's modern seawater desalination Plant (SWRO) applies many plastic products manufactured from AGRU. Also for plants using other treatment technologies plastic piping and lining products are utilized.



6

Potable water tanks

For the perfect storage of the produced potable water PE 80 blue HYDRO^{CLICK} sheets are the best solution. These sheets have all necessary approvals for the contact with potable water.



7

Potable water supply

PE 100 and PE 100-RC pipes with long life time and high resistance to puncture loads for the supply of the potable water to the user.



Buffer station

In the buffer station the large supply range of AGRU pipes, fittings and valves up to 500 mm SDR11 in PE 100 or PP can be applied.



5

RO-plant

For the installation of permeate piping as well as feeding pipes for the RO membranes PP piping with special adjusted fitting range is available.



4

Solid part removal - filter

Polypropylene piping systems welded by butt or IR fusion provide fast and clean installation. Excellent abrasion resistance and pressure rating up to 16 bar enable high durability.



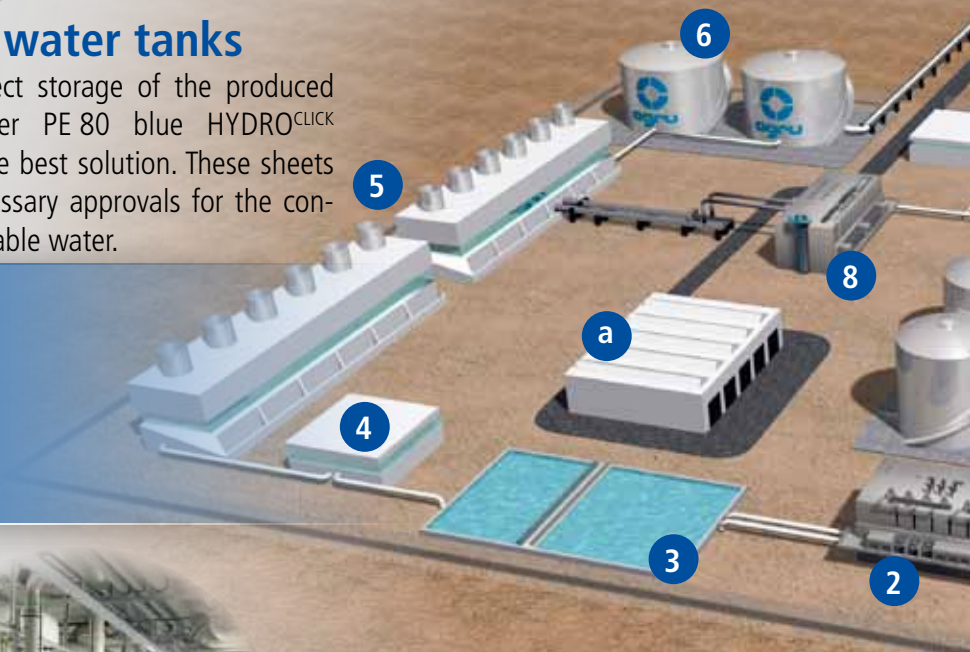
3

Buffer basin

For protection of concrete basins the AGRU SureGrip sheet is the perfect solution. This sheet is produced in one production step with integrated anchor studs which provide a safe and perfect bonding between the concrete and the SureGrip sheet. Fast and cost effective in installation and operation.

PH control

Injection piping systems in PVDF and ECTFE provide excellent durability for aggressive medias such as H₂SO₄.





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Neutralisation basin

AGRU SureGrip liners in thickness from 2,5 mm up to 5,0 mm in HDPE are used to protect the concrete structure.

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Storage tanks

Storage tanks can be lined with fabric backed sheets in 3,4,5, or 6 mm which are glued to steel tanks. Materials PE and PP with polyester- or polypropylene fabric are used to improve the lifetime and reduce maintenance intervals.

b

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Pump Station

In the pump station area PE 100 and PP pipes and fittings are utilized up to a diameter of 500 mm. Fully pressure rated fittings up to 16 bar enable safe operation. For larger dimensions segmented or machined fittings are available. Excellent flow characteristic, high abrasion resistance are beneficial for this application area in an SWRO plant.



a

Maintainace area

For welding of various plastic piping systems AGRU provides butt fusion, IR-fusion, socket fusion and Electric-socket fusion technology.



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Discharge pipe

PE 100 material for the discharge pipe provides excellent corrosion resistance, best flow characteristic durability and flexibility.

b



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Intake seawater

For the intake seawater PE 100 pipes in dimensions 1400, 1600, 1800, 2000 and 2200 mm from AGRU are available in various pressure ratings.



PIPING SYSTEMS



SEMIFINISHED



CONCRETE PROTECTION



LINING SYSTEMS

WORLDWIDE COMPETENCE IN PLASTIC

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