AQUALINE
Pollet Water Group

PURIFICATION SYSTEMS

CONTAINERIZED

Containerized systems, also known as mobile or modular systems, refer to complete and self-contained units of equipment and processes that are housed within standard shipping containers.These containerized systems are designed to be easily transported, installed, and operated at various locations, making them highly versatile and convenient for a wide range of applications.

OPERATING PRINCIPLE OF **CONTAINERIZED SYSTEM**

AQUALINE containerized reverse osmosis System is a self-contained, turnkey system that can function on-the-go or as a permanent water treatment plant, able to start pumping highquality product in less than a day after arrival on-site. Our containerized reverse osmosis systems are made to order, meaning your system will be specifically tailored to your water treatment requirements, containing all the amenities your reverse osmosis system could possibly need.

Each containerized reverse osmosis system is engineered with high-quality components to handle all types of harsh conditions.

Containerized RO systems offer a practical and efficient solution for addressing water treatment challenges in a wide range of scenarios. Their mobility, adaptability, and ability to produce high quality water make them an invaluable tool for ensuring access to clean water in various contexts around the world.

STANDARD FEATURES

- Standard capacities 1 - 2,000 CMD.
- Plug and play unit.
- Easy transportation.
- Limited civil work.
- Compact footprint.
- Turnkey delivery.
- Easy maintenance.
- 45 and 20, 40ft/HC standard shipping

OPTIONAL FEATURES

- Customdesignsforhighercapacities.
- Thermal and acoustic Insulation.
- Electrical cabling and piping:
  - Lightening equipment.
  - Piping for container inside systems.
  - Cabling and wiring of instrumentation inside the container to main control panel.





RECOMMENDED LIMITS FOR FEEDWATER

Parameter	Design Range
Feed water TDS :	2,000 - 10,000 ppm
Feed water pressure:	2 to 5 bar
Feed water pH range:	6-8
Silica (SiO2) tolerance:	25 ppm max.
Max. Iron (Fe) tolerance :	0.05 ppm (without ASC dosing) 0,2 ppm (with ASC dosing)
Feed Water Temperature :	(10° C - 30°C)
Hydrogen Sulfide :	Not Present
Turbidity :	Not Present
Oil & Grease :	Not Present
SDI:	< 5
Microbiological contamination:	Not Present



1 ADVANTAGES

- Space efficiency.
- Deliver high performance at low
- life-Cycle.
- Energy efficient.
- Purified water suitable for
- drinking and irrigation.
- Eco-Friendly systems.

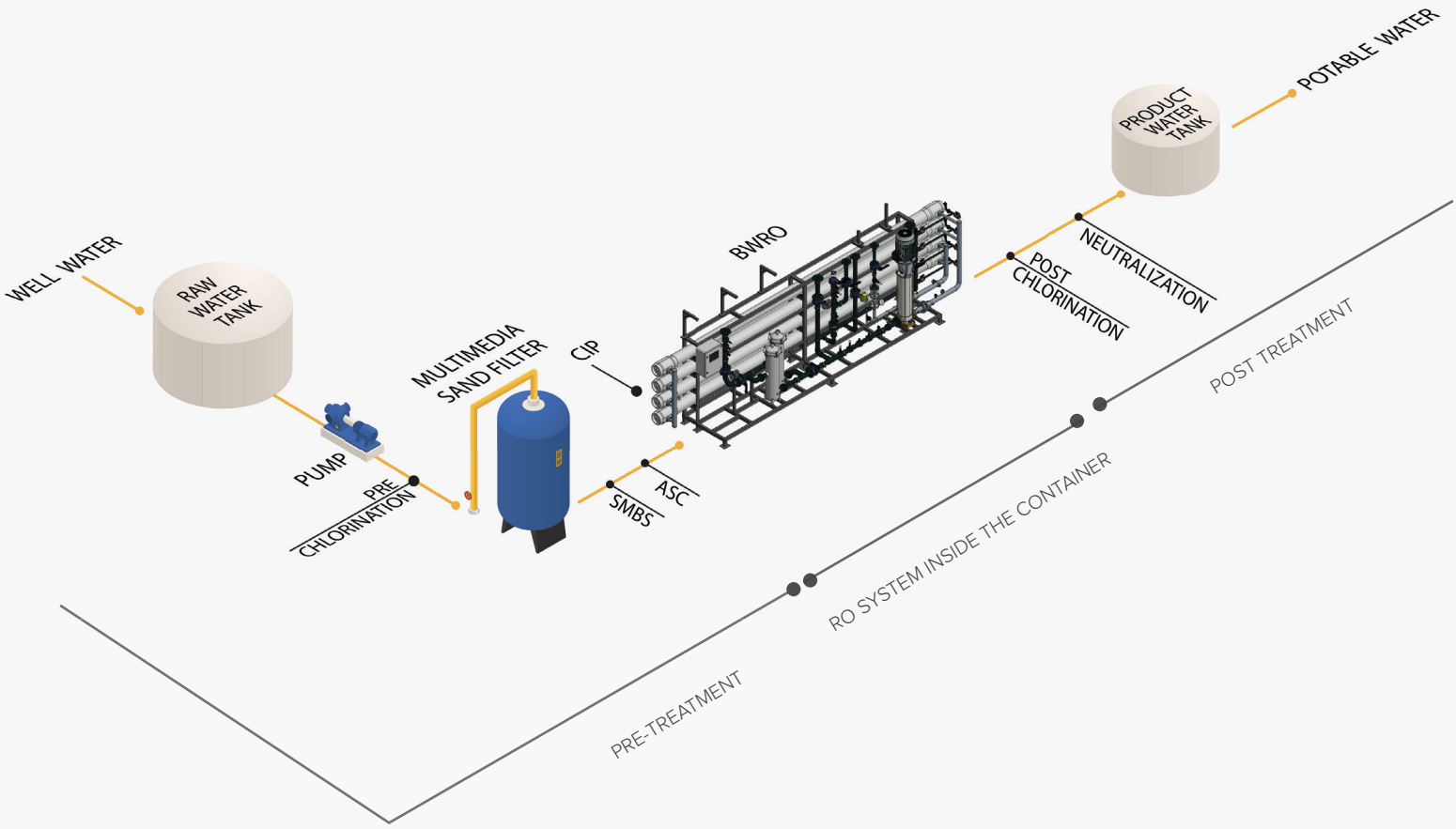
2 APPLICATIONS

- Water bottling industry.
- Domestic use.
- Commercial and industrial use.
- Municipal water supply.
- Boiler feed water.
- Hotels and resorts.
- Potable drinking water.
- Agricultural and irrigation.
- Municipal water treatment.
- Food and beverage industries.



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PRIMARY TREATMENT – CONTAINERIZED SYSTEM



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PURIFICATION CONTAINERIZED SYSTEMS

Technical specifications.

MODEL.	CAPACITY (CMH)	MEMBRANE (QTY)	VESSEL (QTY)	RECOVERY (%)	HIGH PRESSURE PUMP POWER (Kw)	CARTRIDGE FILTER TYPE	CIP TANK VOLUME (L)	CIP PUMP POWER (kW)
C- GAMA180	1	1	1	50	3	PVC520	500	1,85
C- GAMA 280	2	2	1	50	4	PVC520	500	1,85
C- GAMA380	3	3	1	60	3-4	PVC520	500	1,85
C- GAMA480	4	4	2	60	4	PVC520	500	1,85
C- GAMA680	6	6	2	60	5,5	PVC520	1000	1,85
C- GAMA880	8	8	2	70	11	PVC530	1000	1,85
C- GAMA1080	10	10	2	70	11	PVC530	1000	1,85
C- GAMA1280	12	12	2	75	11	PVC540	1000	1,85
C- GAMA1580	15	15	3	75	15	PVC540	2000	3
C- GAMA1880	18	18	3	75	15	PVC930	2000	3
C- GAMA2480	24	24	4	75	22	PVC940	2000	4
C- GAMA3080	30	30	5	75	22	ACF1240	2000	4
C- GAMA3680	36	36	6	75	22	ACF1240	3000	5,5
C- GAMA4280	42	42	7	75	37	ACF1640	3000	5,5
C- GAMA4880	48	48	8	75	30	ACF1640	3000	7,5
C- GAMA5480	54	54	9	75	37	ACF2740	5000	7,5
C- GAMA6080	60	60	10	75	37	ACF2740	5000	9,2
C- GAMA6680	66	66	11	75	45	ACF2740	5000	9,2
C- GAMA7280	72	72	12	75	45	ACF2740	5000	11
C- GAMA7880	78	78	13	75	45	ACF2740	5000	11
C- GAMA8480	84	84	14	75	55	STYRE-3PCS	7500	11
C- GAMA9080	90	90	15	75	55	STYRE-3PCS	7500	15
C- GAMA9680	96	96	16	75	55	STYRE-3PCS	7500	15

TECHNICAL SPECIFICATIONS ARE BASED ON THE RECOMMENDED FEED WATER LIMITS; PLEASE CONSULT US IN CASE OF ANY VARIATIONS.

GET IN TOUCH

AQUALINE UAE
Dubai - UAE
T +971 - 45668788
M +971 - 545111914

AQUALINE JORDAN
Amman - JO
T +962 -6- 5542044
M +962 -7- 82411112

AQUALINE TURKEY
Antalya -TUR
T +90 -2424177620
M +90 - 5331343636

POLLET WATER GROUP
Textielstraat 8790 - 13 WAREGEM
T +32 -0564322951
www.pwg.be

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