



TIA ENTERPRISE CO., LTD.
Reliable Water Purifier Manufacturer

Commercial RO System: The Key to Pure Water

[Commercial RO System](#), an engineering marvel, stands at the forefront of water purification technology. In today's world, where access to clean and safe water is paramount, these systems play a pivotal role in ensuring the health and well-being of communities, industries, and businesses alike.

At its core, a Commercial RO System employs the process of reverse osmosis (RO) to remove impurities from water, making it suitable for various applications. Whether it's in restaurants, hospitals, schools, or manufacturing plants, the demand for pure water is universal, and commercial RO systems deliver just that.



The mechanism behind these systems is elegant yet effective. Water is passed through a semi-permeable membrane at high pressure, separating contaminants such as dissolved solids, chemicals, and microorganisms from the water molecules. What emerges on the other side is pristine, crystal-clear water, free from impurities that could compromise its quality.

One of the primary advantages of Commercial RO Systems is their versatility. They can adapt to diverse water sources, whether it's tap water, brackish water, or even seawater. This flexibility makes them indispensable in regions facing water scarcity or contamination issues.

Furthermore, these systems are highly efficient, utilizing advanced technology to minimize water wastage while maximizing purification. This not only reduces operational costs but also ensures sustainable water usage—a crucial consideration in today's environmentally conscious landscape.

In addition to their technical prowess, Commercial RO Systems offer scalability to meet the specific needs of different industries and businesses. Whether it's a small-scale operation or a large industrial facility, there's a solution tailored to the requirements, ensuring consistent access to pure water without compromise.

The impact of Commercial RO Systems extends far beyond mere purification. By providing a reliable source of clean water, they contribute to improved health outcomes, enhanced productivity, and sustainable development. In healthcare settings, for instance, access to sterile water is essential for medical procedures and patient care. Similarly, in food and beverage industries, water quality directly affects product integrity and consumer safety.

Product Name	Compact Commercial RO Water System			
Model No:	TARO-200	TARO-300	TARO-400	TARO-500
Output Capacity	200 gallon per day	300 gallon per day	400 gallon per day	500 gallon per day
Voltage	110V or 220V (upon request)			
Power Parts	equip with pump & transformer			
The 1 st Stage	20" 5 micron Sediment PP Filter			
The 2 nd Stage	20" UDF (GAC) Granular Activated Carbon Filter			
The 3 rd Stage	20" CTO Carbon Block Filter			
The 4 th Stage	100 GPD RO membrane	100 GPD RO membrane	100 GPD RO membrane	100 GPD RO membrane
The 5 th Stage	100 GPD RO membrane	100 GPD RO membrane	100 GPD RO membrane	100 GPD RO membrane
The 6 th Stage		100 GPD RO membrane	100 GPD RO membrane	100 GPD RO membrane
The 7 th Stage			100 GPD RO membrane	100 GPD RO membrane
The 8 th Stage				100 GPD RO membrane

As we look to the future, the role of Commercial RO Systems in shaping our relationship with water cannot be overstated. With advancements in technology and a growing emphasis on sustainability, these systems will continue to evolve, offering innovative solutions to the complex challenges of water purification.



20 " x 2.5" Universal PP Sediment Filter

Part No. : **20-PP05**

Function :

remove sand, dust, rust, and particles from water.



20 " x 2.5" Universal GAC Carbon Filter

Part No. : **20-UDF**

Function :

remove chlorine, organic chemicals, bad smells and odor and dirt from water.



20 " x 2.5" Universal CARBON BLOCK Filter

Part No. : **20-CTO**

Function :

remove chlorine, pesticides, organic chemicals, bad smell and odor from water.



2012-100

100 GPD RO membrane

Part No. : ULP-2012-100

Function :

remove bacteria, virus,
heavy metals and other

polluants from water

In conclusion, Commercial RO Systems stand as a beacon of innovation and progress in the quest for clean water. From their ability to transform contaminated sources into pure, potable water to their adaptability across various industries, these systems exemplify the intersection of science, engineering, and human ingenuity. As we strive towards a healthier and more sustainable future, the importance of Commercial RO Systems will only continue to grow, ensuring that pure water remains within reach for all.