

# PRO flex

## reverse osmosis and nanofiltration systems

### why PROflex?

Prior to the introduction of PROflex, SUEZ delivered over 1000 PRO Series Reverse Osmosis (RO) systems and established the product as a rugged, industrial system capable of delivering consistent product water over years of operation. The PROflex Reverse Osmosis and Nanofiltration (NF) system includes the capability to meet the various needs of industrial, beverage, and municipal applications and end-users including those covered by the previous PRO, MUNI, ReNEW, Titan, and BEV Series systems.

The PROflex is a flexible and price competitive RO/NF system. It is configurable using our online flexConfigurator which allows you to modify the system to best fit your specific application and expedite the quoting process. Beyond flexibility and time-tested reliability, PROflex minimizes the overall footprint for optimum space utilization and places key components to the front of the skid to make them easily accessible.

## SUEZ flexConfigurator

[www.suezwatertechnologies.com/flexconfigurator](http://www.suezwatertechnologies.com/flexconfigurator)

our expertise at your fingertips,  
on your schedule, while only  
paying for what you need

### reliable performance

- Honed from the time-tested PRO Series platform with SUEZ vetted options you want.

### flexible solutions with speed

- SUEZ flexConfigurator to design your system, get drawings, obtain pricing and access SUEZ expertise immediately, and on your schedule.
- Lead times on most options can be as short as standardized systems. Some systems are inventoried for even faster delivery.

### one source

- One of the world's largest providers of membranes and membrane systems.
- Systems are built with SUEZ's full complement of pre-filters, membranes, and Tonkaflo\* pumps (on North American models only) for single source accountability and trusted performance.

**User Input Values**

Permeate Flow (gpm) :

Temperature (°F) :

% Recovery :

Membrane Class :

Element Sq.Ft. :

**Advanced parameters**

Recycle Flow :

Fouling Potential :

P Inlet :

P Back :

**PROflex-36-2 Stage**

US \$

Nominal Machine Rejection % (Except NF):

Flux :

Estimated Required Pump Pressure:

Pump Selection (Need help?)	Recommended Pumps (Best Choice in Bold)	Available Pump Pressure
<input checked="" type="radio"/> Pump Spec	<b>SS12508 25HP</b>	192
<input type="radio"/>	SS12512 40HP	278
<input type="radio"/>	SS12516 50HP	378

Includes Relief Valve

Customize my product PROflex-36-3 Stage Price: US \$

**Membrane**

PLC

Choose the System: **CompactLogic and PowerView Plus 700 HSE**

This option is our "standard offering" with the PRE option of our PRO line. See attached specification sheet for more details.

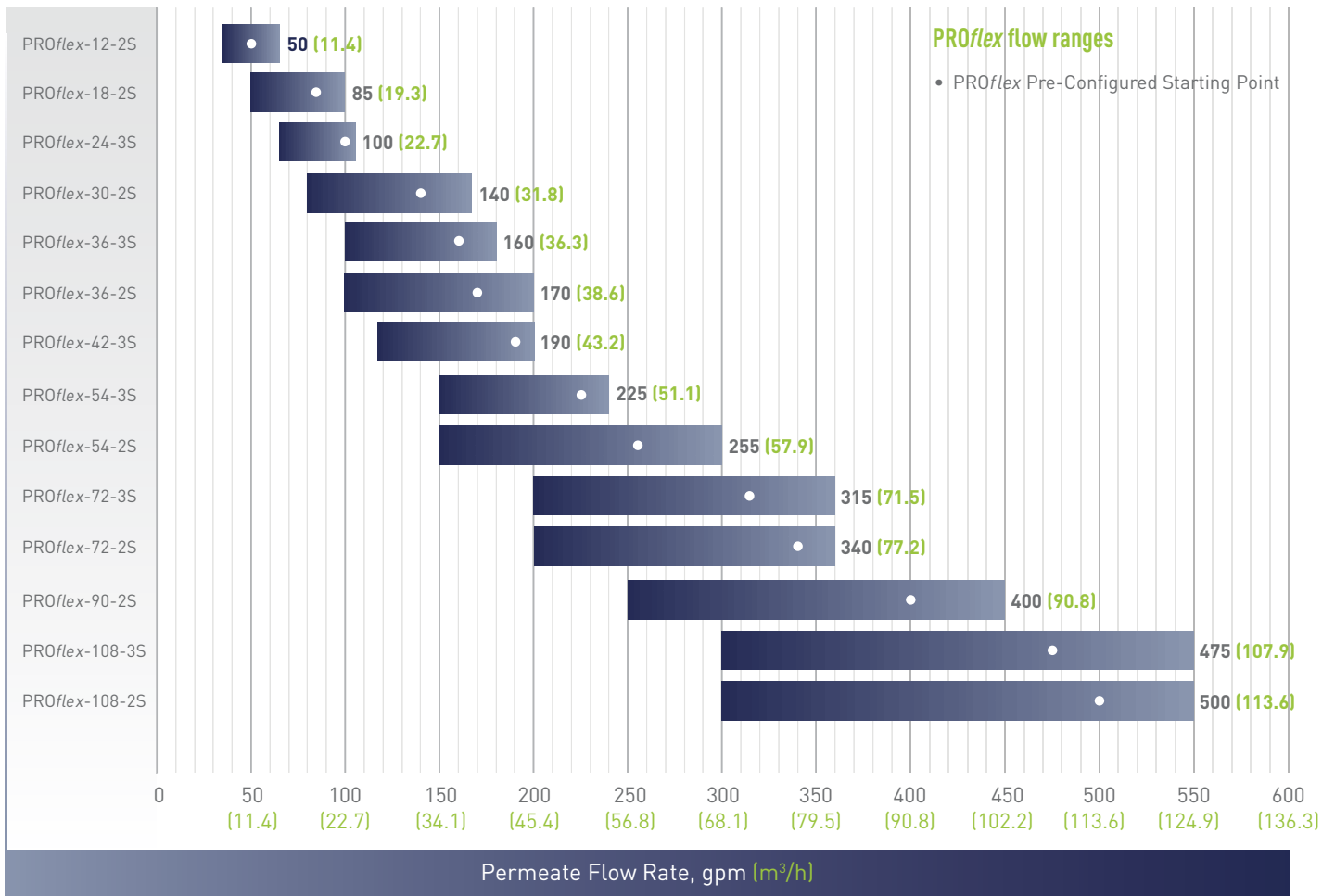
Generator interface:  PLC-AB CompactLogic

Communications:  PowerView Plus 700 Ethernet

## PROflex – true flexibility to design a system you want

PROflex offers the flexibility to choose a system that will allow you to choose an aggressive or conservative design to meet the capital requirements of your specific situation. PROflex allows complete choice on arrays, number of elements, and pump sizes within each array. There are further options for your choice of instrumentation, PLC controller, electrical components, membranes and other hardware such as frame and housings. You can also reduce engineering time by letting SUEZ include complementary pre-treatment and chemical cleaning equipment. The figure below identifies the 14 default configurations and also the hydraulic limits of the design as indicated by the flow range for each model.

### PROflex flow ranges



The base assumption included in these designs are:

- 60°F feedwater temperature
- 400 sq. ft. SUEZ AG membrane elements
- 77.5-80% RO recovery
- Tonkafto pump as available in select models

## PROflex RO features and benefits:



**one source**  
Better protection and longer filter life with high flow Z-Plex\* 1-micron prefilter

**flexible design**  
Your choice:

- 2 or 3 stage
- Number and type of elements
- Many different pump sizes
- Many different PLC and instrument packages to choose from

**reliability**  
Factory tested integrated control package

**one source**  
Competitive performance and single source accountability with SUEZ membranes

**reliability**  
80% water recovery and lower mineral scale potential with 3-stage array

**flexible solutions with speed**  
Some PROflex series default skids will be inventoried for speed to market

**reliability**  
Reduced cleaning frequency and extended membrane life with feed or permeate flush

**one source**  
Reduced footprint and single source accountability with SUEZ Tonkaflo Pump (in North American models only)

**reliability**  
Reduced footprint and stronger assembly with fiberglass or 4-port housing in stainless steel

**reliability**  
UL/cUL compliant  
ISO 9001 compliant factory



## PROflex: a platform that meets your needs

The PROflex can easily integrate with a range of pre-engineered pre and post treatment and supporting components like multi-media filters, carbon filters, water softeners, chemical feed systems, tanks, and pumps for the building blocks of a full-scale configurable water system. With decades of engineering and manufacturing experience worldwide, SUEZ offers superior integration and optimization of RO system design.