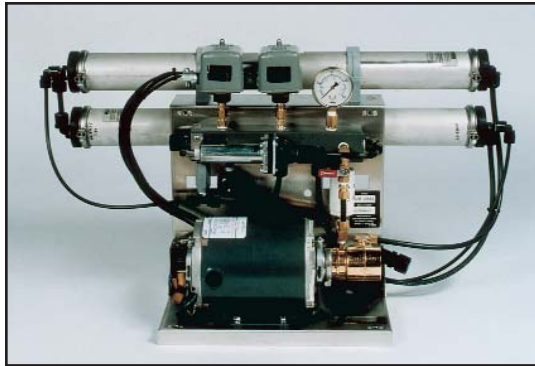
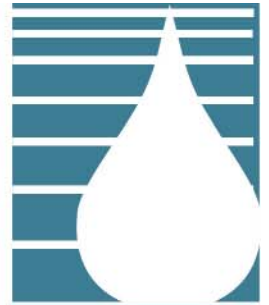


HP Reverse Osmosis System 150 - 1,200 GPD (568 - 4,542 LPD)

**WATER
FACTORY
SYSTEMS®**



The HP Cuno®/Water Factory System line of Reverse Osmosis High Pressure systems are designed for durability, and ease of service.

High Pressure operation results in:

- Maximum output
- Highest quality product water
- Expanded range of applications

The HP RO system boasts premium output and performance. The HP RO drives TFC membranes to peak production. The HP line offers all of the technology and exclusive WFS hydraulic design features you expect in an easily serviceable, compact package.

The HP line of Reverse Osmosis Systems offers models ranging from 150 to 1,200 gallons (568 - 4,542 liters) per day. The system has been widely copied— but never duplicated. The HP system has been a workhorse in the commercial reverse osmosis marketplace for 15 years.

HP RO System Features ...

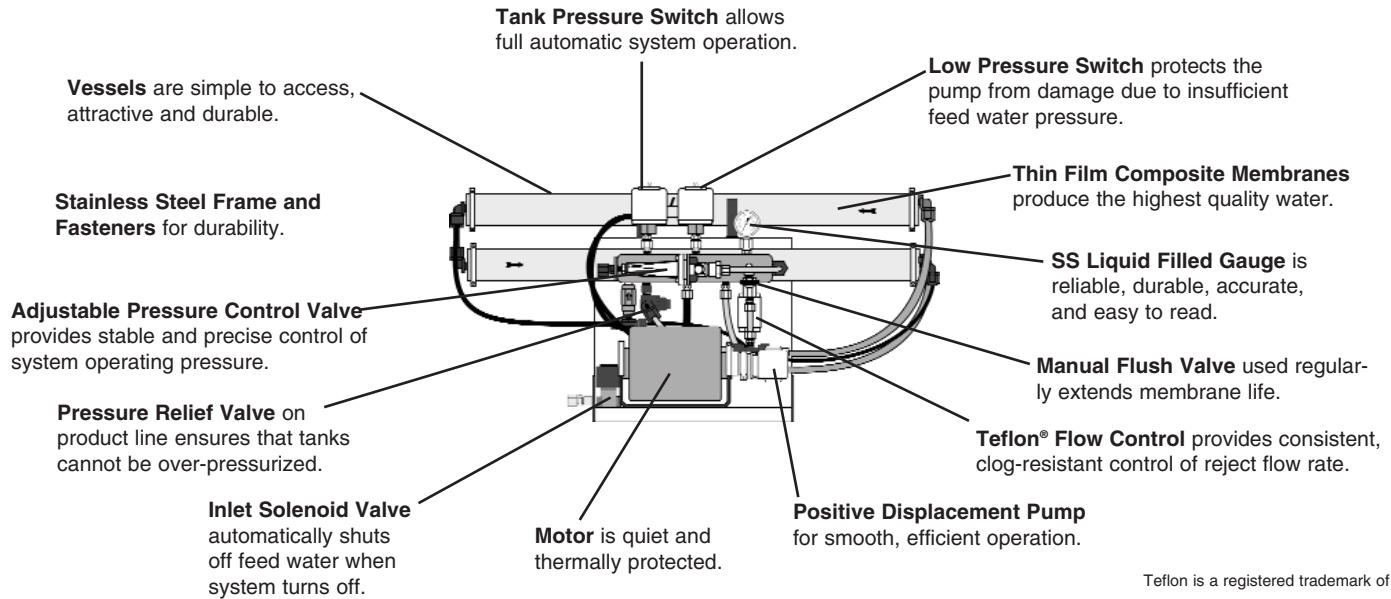
- Industry Compliant Pressure Vessels
- Thin Film Composite RO Membranes
- Thermally Protected Motor
- Positive Displacement, Rotary Vane Pump
- Properly Engineered Hydraulic Design
- Product Pressure Relief Valve
- Inlet Solenoid Valve
- Tank Pressure Switch
- Low Pressure Pump Protection
- Snubber
- Fast Rinse Valve
- Precision Pressure Control Valve
- Teflon® Capillary Tube Flow Control
- Stainless Steel Frame
- Factory Tested
- All Fasteners are Stainless Steel or Aluminum
- Optional Stainless Steel Wall Mount Bracket

and Benefits

- Attractive, durable and re-usable
- Highest quality TFC membranes available - provide maximum output and rejection characteristics
- Protects motor from thermal overload damage
- Quiet, efficient and reliable
- Extends membrane life and total system reliability
- Ensures storage tanks cannot be overpressurized, prevents potentially catastrophic damage
- Automatically shuts off feed water when system is off
- Provides fully automatic operation
- Protects pump from low feed pressure damage
- Unique device smooths pressure variations before low pressure switch
- Provides a high velocity rinse of the RO membranes which extends membrane life
- Provides stable operating pressure
- Offers consistent control of reject flow rate and is clog resistant
- Stands up to the harshest environments
- Ensures operating performance as specified
- For strength and reliability
- Allows wall mounting of RO and pretreatment

HP Reverse Osmosis System

Features that Make a Difference...



HP System Specifications

| Model | (GPD/LPD)* | Motor | Pump Type | Material | Voltage | Amperage | Operating Pressure | Elements | Element Type | Recovery 77° (25°C) Feed |
|---------|---------------|---------|-------------|----------|--------------|----------|---------------------|----------|--------------|--------------------------|
| HP-150 | (150/568) | 1/3 HP | Rotary Vane | Brass | 115 1Ø 60 Hz | 6.2 | 175 PSI (1,207 kPa) | 1 | TW30-2014 | 25% |
| HP-300 | (300/1,136) | 1/3 HP | Rotary Vane | Brass | 115 1Ø 60 Hz | 6.2 | 175 PSI (1,207 kPa) | 1 | TW30-2026 | 25% |
| HP-600 | (600/2,271) | 1/3 HP | Rotary Vane | Brass | 115 1Ø 60 Hz | 6.2 | 175 PSI (1,207 kPa) | 1 | TW30-2526 | 25% |
| HP-900 | (900/3,407) | 1/2 HP | Rotary Vane | Brass | 115 1Ø 60 Hz | 7.5 | 175 PSI (1,207 kPa) | 2 | TW30-2526 | 30% |
| HP-1200 | (1,200/4,542) | 1/2 HP | Rotary Vane | Brass | 115 1Ø 60 Hz | 7.5 | 175 PSI (1,207 kPa) | 2 | TW30-2526 | 40% |
| HP-150 | (150/568) | 0.37 KW | Rotary Vane | Brass | 230 1Ø 50 Hz | 3.1 | 175 PSI (1,207 kPa) | 1 | TW30-2014 | 25% |
| HP-300 | (300/1,136) | 0.37 KW | Rotary Vane | Brass | 230 1Ø 50 Hz | 3.1 | 175 PSI (1,207 kPa) | 1 | TW30-2026 | 25% |
| HP-600 | (600/2,271) | 0.37 KW | Rotary Vane | Brass | 230 1Ø 50 Hz | 3.1 | 175 PSI (1,207 kPa) | 1 | TW30-2526 | 33% |
| HP-900 | (900/3,407) | 0.37 KW | Rotary Vane | Brass | 230 1Ø 50 Hz | 3.6 | 175 PSI (1,207 kPa) | 2 | TW30-2026 | 35% |
| HP-1200 | (1,200/4,542) | 0.37 KW | Rotary Vane | Brass | 230 1Ø 50 Hz | 3.6 | 175 PSI (1,207 kPa) | 2 | TW30-2026 | 40% |

* Nominal production capacity rated at 77°F (25°C) @ 500 ppm TDS feed water when operated at 175 psi. Nominal membrane output may vary ± 15%.

Water Requirements

| Model | Connection Type | Inlet | Product | Reject | Minimum Feed Supply* |
|---------|------------------|-------|---------|--------|-------------------------------------|
| HP-150 | Tube Compression | 1/2" | 1/2" | 1/2" | 2 GPM @ 40 PSI (7.61 LPM @ 276 kPa) |
| HP-300 | Tube Compression | 1/2" | 1/2" | 1/2" | 2 GPM @ 40 PSI (7.61 LPM @ 276 kPa) |
| HP-600 | Tube Compression | 1/2" | 1/2" | 1/2" | 3 GPM @ 40 PSI (11.4 LPM @ 276 kPa) |
| HP-900 | Tube Compression | 1/2" | 1/2" | 1/2" | 4 GPM @ 40 PSI (15.1 LPM @ 276 kPa) |
| HP-1200 | Tube Compression | 1/2" | 1/2" | 1/2" | 4 GPM @ 40 PSI (15.1 LPM @ 276 kPa) |

* Note- maximum allowable feed water pressure to RO system is 85 PSI (586 kPa)

Feed Water Quality Requirements (All Models)

| | | | | | |
|------------------|----------------|-------------------------|--------------|--------------------|-------------------------|
| Hardness: | | Free Chlorine | 0.0 mg/L | Manganese | < 0.01 mg/L |
| HP-150/300/600 | < 20 grains US | Silica | < 30 mg/L | Iron | < 0.1 mg/L |
| HP-900 | < 10 grains US | Turbidity | < 1.0 NTU | TDS | 2,000 mg/L maximum |
| HP-1200 | < 1 grain US | Organics | < 1.0 mg/L | Temperature | 40 - 100° F (4 - 38° C) |
| | | SDI | < 1.0 | PH | 2 to 11 |
| | | Hydrogen Sulfide | none allowed | | |

If your water analysis indicates that any of these parameters are not in range, additional pretreatment or a higher frequency of maintenance may be required. Contact your distributor for assistance. The presence of colloids, silica or flocculants (e.g. alum or cationic polymers) in the feedwater can cause membrane fouling and may require special chemical pretreatment or periodic membrane cleaning.

Physical Dimensions

| Model | HP-150 | HP-300 - HP600 | HP-900 - HP-1200 |
|--------|--------------|----------------|------------------|
| Depth | | 12" (30 cm) | 12" (30 cm) |
| Width | 14" (36 cm) | 29" (74 cm) | 29" (74 cm) |
| Height | 17" (43 cm) | 21" (53 cm) | 23" (58 cm) |



Water Filter Systems

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