



Clear solutions to your water problems

Proudly manufactured in
Humboldt, Saskatchewan



RESIDENTIAL AND COMMERCIAL REVERSE OSMOSIS SYSTEMS

Horizontal Series

Offering consumers the opportunity to have safe, treated water within the comfort of their own home or business



Contact Us | (306) 986-4499 saphiresales@delco-water.com www.delco-water.com

📍 Calgary • Saskatoon • Humboldt • Winnipeg

DRO4040-10

Membrane Quantity	Permeate Flow Range	Maximum Operating Pressure	Array	Dimensions Height Width Depth	Estimated Shipping Weight
10	6 - 8 USGPM	250 psi	2:2:1	Inches: 63 34 104 Mm: 1594 865 2640	680 kg (1500 lbs)

STANDARD OFFERINGS

On-Skid Mechanical Equipment:

- o Frame: Carbon steel
- o Stainless Steel High Pressure Recirculation & Concentrate Piping
- o Stainless Steel Pre-Filter Housing and Cartridges
- o Low Energy, High Recovery RO Membranes
- o Fiberglass Membrane Vessels
- o On-Skid Booster Pump (5 HP)
- o Raw and Permeate Pressure Switches
- o Pre-Filter, Post-Filter, Inter-Stage, Permeate and Concentrate Pressure Gauges
- o Inlet, Concentrate, CIP Cleaning, and Permeate Divert Solenoid Valves

On-Skid Electrical Equipment:

- o Microprocessor Controller
 - o 208V, Three Phase Power
- * Electrical connections provided by others*

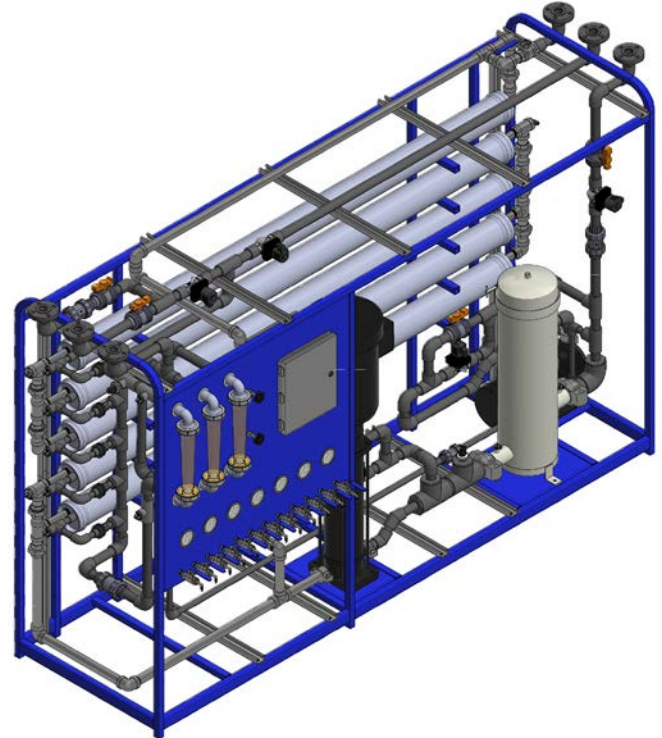
Chemical Equipment:

- o Anti-Scalant Dosing Pump and Day Tank
- * Shipped loose*

Installation Requirements:

- o **Feed Pressure Supply Range:** 20-40 psi
- o **Inlet Connection:** 1" NPT
- o **Permeate Connection:** 1" NPT
- o **Concentrate Connection:** 1" NPT
- o **Proper Electrical Connections**

** Expected operating pressures and flow set points can be shared if lab water quality is provided. Predicted system flow rate is based on membrane manufacturer specifications and nominal conditions. Membrane production varies with water quality, operating pressure, temperature, pH, and recovery. Anti-scalant chemical injection required.*



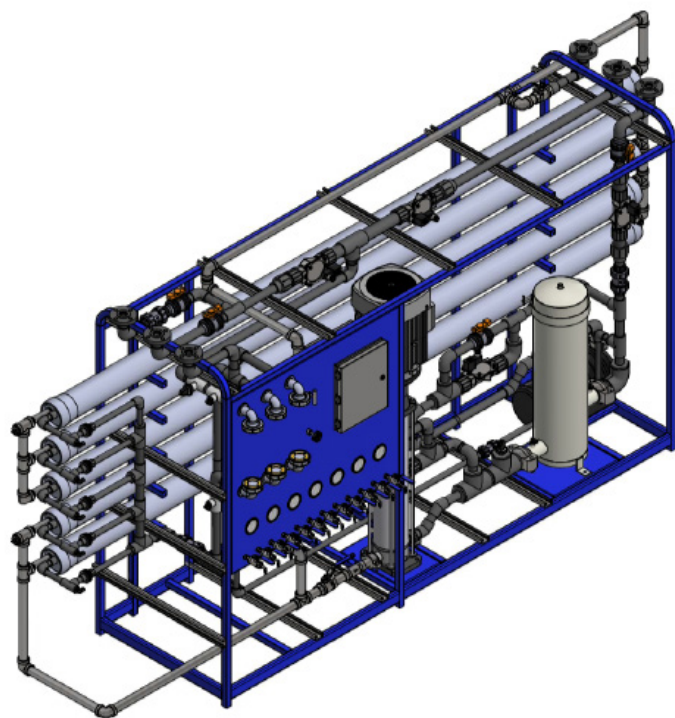
ADDITIONAL ENHANCEMENTS

- Clean-in-Place System
- Clean-in-Place Heater (kW)
- Granular Activated Carbon (GAC)
- Re-pressurization System
- TDS and Feed Conductivity
- Alternative Voltage: 575V, 3P
- Stenner Dosing Pumps
- Custom Membranes
- Calcite Contactor
- Spare Set of Membranes
- Spare Cartridges
- On-Site Commissioning and Training
- CSA Certification



DRO4040-15

Membrane Quantity	Permeate Flow Range	Maximum Operating Pressure	Array	Dimensions Height Width Depth	Estimated Shipping Weight
15	9 - 12 USGPM	250 psi	2:2:1	Inches: 63 32 137 Mm: 1600 825 3485	680 kg (1500 lbs)



STANDARD OFFERINGS

On-Skid Mechanical Equipment:

- o Frame: Carbon steel
- o Stainless Steel High Pressure Recirculation & Concentrate Piping
- o Stainless Steel Pre-Filter Housing and Cartridges
- o Low Energy, High Recovery RO Membranes
- o Fiberglass Membrane Vessels
- o On-Skid Booster Pump (7.5 HP)
- o Raw and Permeate Pressure Switches
- o Pre-Filter, Post-Filter, Inter-Stage, Permeate and Concentrate Pressure Gauges
- o Inlet, Concentrate, CIP Cleaning, and Permeate Divert Solenoid Valves

On-Skid Electrical Equipment:

- o Microprocessor Controller
 - o 208V, Three Phase Power
- * Electrical connections provided by others*

Chemical Equipment:

- o Anti-Scalant Dosing Pump and Day Tank
- * Shipped loose*

Installation Requirements:

- o **Feed Pressure Supply Range:** 20-40 psi
- o **Inlet Connection:** 1" NPT
- o **Permeate Connection:** 1" NPT
- o **Concentrate Connection:** 1" NPT
- o **Proper Electrical Connections**

** Expected operating pressures and flow set points can be shared if lab water quality is provided. Predicted system flow rate is based on membrane manufacturer specifications and nominal conditions. Membrane production varies with water quality, operating pressure, temperature, pH, and recovery. Anti-scalant chemical injection required.*

ADDITIONAL ENHANCEMENTS

- Clean-in-Place System
- Clean-in-Place Heater (kW)
- Granular Activated Carbon (GAC)
- Re-pressurization System
- TDS and Feed Conductivity
- Alternative Voltage: 575V, 3P
- Stenner Dosing Pumps
- Custom Membranes
- Calcite Contactor
- Spare Set of Membranes
- Spare Cartridges
- On-Site Commissioning and Training
- CSA Certification



DRO4040-21

Membrane Quantity	Permeate Flow Range	Maximum Operating Pressure	Array	Dimensions Height Width Depth	Estimated Shipping Weight
21	12 - 17 USGPM	250 psi	3:2:2	Inches: 64 34 140 Mm: 1625 865 3538	680 kg (1500 lbs)

STANDARD OFFERINGS

On-Skid Mechanical Equipment:

- o Frame: Carbon steel
- o Stainless Steel High Pressure Recirculation & Concentrate Piping
- o Stainless Steel Pre-Filter Housing and Cartridges
- o Low Energy, High Recovery RO Membranes
- o Fiberglass Membrane Vessels
- o On-Skid Booster Pump (7.5 HP)
- o Raw and Permeate Pressure Switches
- o Pre-Filter, Post-Filter, Inter-Stage, Permeate and Concentrate Pressure Gauges
- o Inlet, Concentrate, CIP Cleaning, and Permeate Divert Solenoid Valves

On-Skid Electrical Equipment:

- o Microprocessor Controller
 - o 208V, Three Phase Power
- *Electrical connections provided by others*

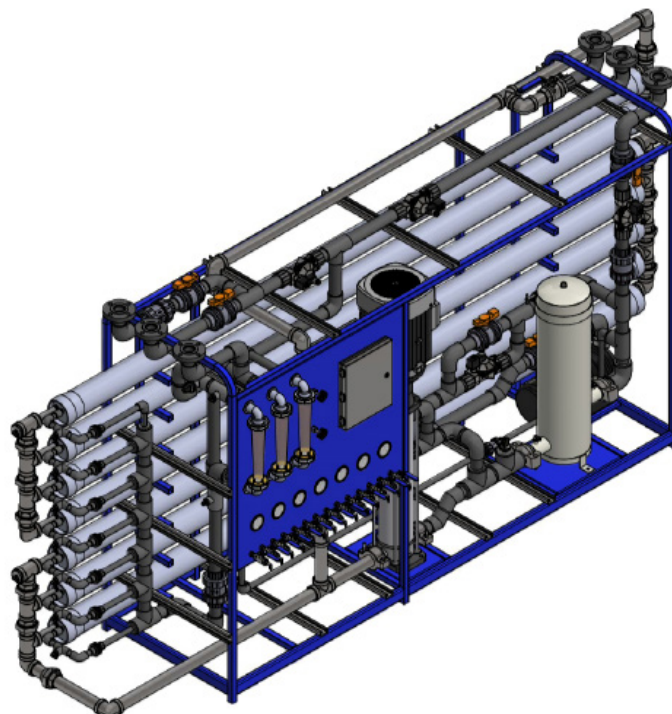
Chemical Equipment:

- o Anti-Scalant Dosing Pump and Day Tank
- *Shipped loose*

Installation Requirements:

- o **Feed Pressure Supply Range:** 20-40 psi
- o **Inlet Connection:** 1½" NPT
- o **Permeate Connection:** 1½" NPT
- o **Concentrate Connection:** 1½" NPT
- o **Proper Electrical Connections**

** Expected operating pressures and flow set points can be shared if lab water quality is provided. Predicted system flow rate is based on membrane manufacturer specifications and nominal conditions. Membrane production varies with water quality, operating pressure, temperature, pH, and recovery. Anti-scalant chemical injection required.*



ADDITIONAL ENHANCEMENTS

- Clean-in-Place System
- Clean-in-Place Heater (kW)
- Granular Activated Carbon (GAC)
- Re-pressurization System
- TDS and Feed Conductivity
- Alternative Voltage: 575V, 3P
- Stenner Dosing Pumps
- Custom Membranes
- Calcite Contactor
- Spare Set of Membranes
- Spare Cartridges
- On-Site Commissioning and Training
- CSA Certification



DRO8040-6

Membrane Quantity	Permeate Flow Range	Maximum Operating Pressure	Array	Dimensions Height Width Depth	Estimated Shipping Weight
6	17 - 25 USGPM	250 psi	1:1	Inches: 68 44 151 Mm: 1733 1118 3835	680 kg (1500 lbs)

STANDARD OFFERINGS

On-Skid Mechanical Equipment:

- o Frame: Carbon steel
- o Stainless Steel High Pressure Recirculation & Concentrate Piping
- o Stainless Steel Pre-Filter Housing and Cartridges
- o Low Energy, High Recovery RO Membranes
- o Fiberglass Membrane Vessels
- o On-Skid Booster Pump (15 HP)
- o Raw and Permeate Pressure Switches
- o Pre-Filter, Post-Filter, Inter-Stage, Permeate and Concentrate Pressure Gauges
- o Inlet, Concentrate, CIP Cleaning, and Permeate Divert Solenoid Valves

On-Skid Electrical Equipment:

- o Microprocessor Controller
 - o 208V, Three Phase Power
- * Electrical connections provided by others*

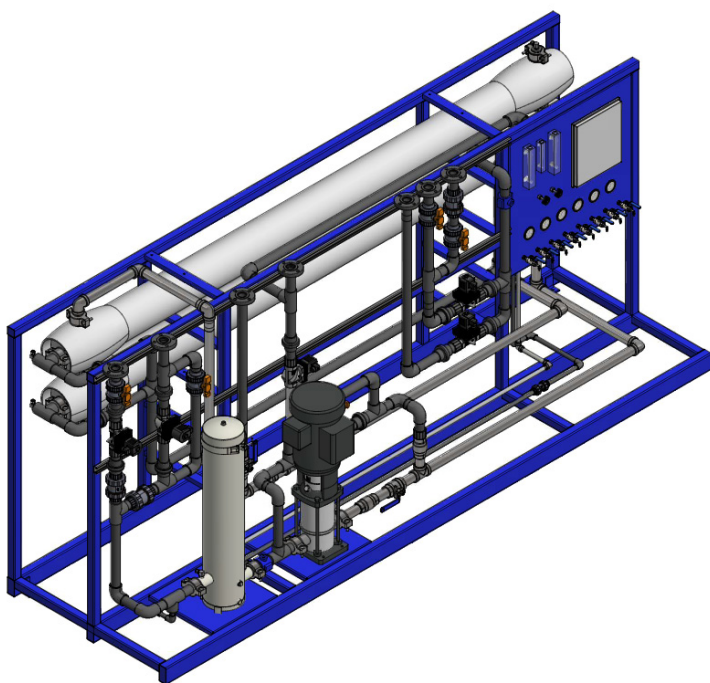
Chemical Equipment:

- o Anti-Scalant Dosing Pump and Day Tank
- * Shipped loose*

Installation Requirements:

- o **Feed Pressure Supply Range:** 20-40 psi
- o **Inlet Connection:** 1½" NPT
- o **Permeate Connection:** 1½" NPT
- o **Concentrate Connection:** 1½" NPT
- o **Proper Electrical Connections**

** Expected operating pressures and flow set points can be shared if lab water quality is provided. Predicted system flow rate is based on membrane manufacturer specifications and nominal conditions. Membrane production varies with water quality, operating pressure, temperature, pH, and recovery. Anti-scalant chemical injection required.*



ADDITIONAL ENHANCEMENTS

- Clean-in-Place System
- Clean-in-Place Heater (kW)
- Granular Activated Carbon (GAC)
- Re-pressurization System
- TDS and Feed Conductivity
- Alternative Voltage: 575V, 3P
- Stenner Dosing Pumps
- Custom Membranes
- Calcite Contactor
- Spare Set of Membranes
- Spare Cartridges
- On-Site Commissioning and Training
- CSA Certification



DRO8040-9

Membrane Quantity	Permeate Flow Range	Maximum Operating Pressure	Array	Dimensions Height Width Depth	Estimated Shipping Weight
9	25 - 35 USGPM	250 psi	1:1:1	Inches: 68 44 151 Mm: 1733 1118 3835	680 kg (1500 lbs)

STANDARD OFFERINGS

On-Skid Mechanical Equipment:

- o Frame: Carbon steel
- o Stainless Steel High Pressure Recirculation & Concentrate Piping
- o Stainless Steel Pre-Filter Housing and Cartridges
- o Low Energy, High Recovery RO Membranes
- o Fiberglass Membrane Vessels
- o On-Skid Booster Pump (15 HP)
- o Raw and Permeate Pressure Switches
- o Pre-Filter, Post-Filter, Inter-Stage, Permeate and Concentrate Pressure Gauges
- o Inlet, Concentrate, CIP Cleaning, and Permeate Divert Solenoid Valves

On-Skid Electrical Equipment:

- o Microprocessor Controller
 - o 208V, Three Phase Power
- * Electrical connections provided by others*

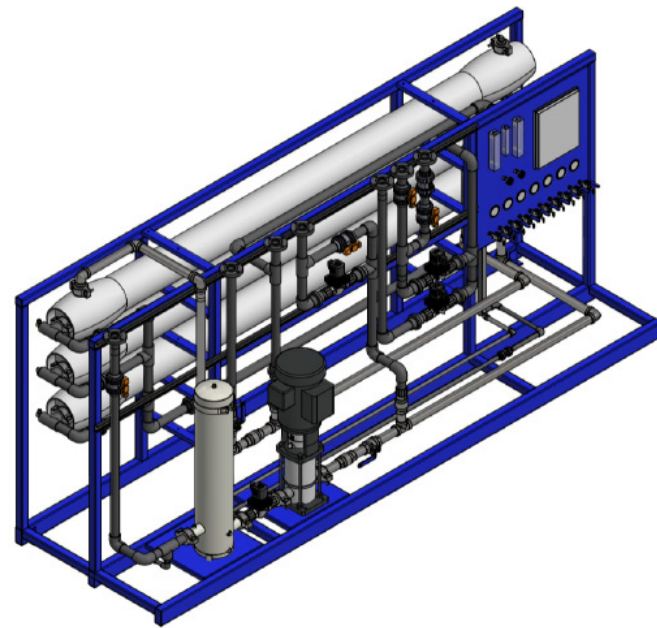
Chemical Equipment:

- o Anti-Scalant Dosing Pump and Day Tank
- * Shipped loose*

Installation Requirements:

- o **Feed Pressure Supply Range:** 20-40 psi
- o **Inlet Connection:** 1½" NPT
- o **Permeate Connection:** 1½" NPT
- o **Concentrate Connection:** 1½" NPT
- o **Proper Electrical Connections**

** Expected operating pressures and flow set points can be shared if lab water quality is provided. Predicted system flow rate is based on membrane manufacturer specifications and nominal conditions. Membrane production varies with water quality, operating pressure, temperature, pH, and recovery. Anti-scalant chemical injection required.*



ADDITIONAL ENHANCEMENTS

- Clean-in-Place System
- Clean-in-Place Heater (kW)
- Granular Activated Carbon (GAC)
- Re-pressurization System
- TDS and Feed Conductivity
- Alternative Voltage: 575V, 3P
- Stenner Dosing Pumps
- Custom Membranes
- Calcite Contactor
- Spare Set of Membranes
- Spare Cartridges
- On-Site Commissioning and Training
- CSA Certification



DRO8040-12

Membrane Quantity	Permeate Flow Range	Maximum Operating Pressure	Array	Dimensions Height Width Depth	Estimated Shipping Weight
12	35 - 50 USGPM	250 psi	1:1:1	Inches: 68 44 191 Mm: 1733 1118 4851	680 kg (1500 lbs)

PICTURE
COMING
SOON

ADDITIONAL ENHANCEMENTS

- Clean-in-Place System
- Clean-in-Place Heater (kW)
- Granular Activated Carbon (GAC)
- Re-pressurization System
- TDS and Feed Conductivity
- Alternative Voltage: 575V, 3P
- Stenner Dosing Pumps
- Custom Membranes
- Calcite Contactor
- Spare Set of Membranes
- Spare Cartridges
- On-Site Commissioning and Training
- CSA Certification

STANDARD OFFERINGS

On-Skid Mechanical Equipment:

- o Frame: Carbon steel
- o Stainless Steel High Pressure Recirculation & Concentrate Piping
- o Stainless Steel Pre-Filter Housing and Cartridges
- o Low Energy, High Recovery RO Membranes
- o Fiberglass Membrane Vessels
- o On-Skid Booster Pump (15 HP)
- o Raw and Permeate Pressure Switches
- o Pre-Filter, Post-Filter, Inter-Stage, Permeate and Concentrate Pressure Gauges
- o Inlet, Concentrate, CIP Cleaning, and Permeate Divert Solenoid Valves

On-Skid Electrical Equipment:

- o Microprocessor Controller
- o 208V, Three Phase Power
- * Electrical connections provided by others*

Chemical Equipment:

- o Anti-Scalant Dosing Pump and Day Tank
- * Shipped loose*

Installation Requirements:

- o **Feed Pressure Supply Range:** 20-40 psi
- o **Inlet Connection:** 2" NPT
- o **Permeate Connection:** 1½" NPT
- o **Concentrate Connection:** 1½" NPT
- o **Proper Electrical Connections**

** Expected operating pressures and flow set points can be shared if lab water quality is provided. Predicted system flow rate is based on membrane manufacturer specifications and nominal conditions. Membrane production varies with water quality, operating pressure, temperature, pH, and recovery. Anti-scalant chemical injection required.*

