



EPRO™ Commercial Reverse Osmosis (RO) Systems



Electronic control functions include: low pressure shut down, low pressure auto restart, shut down on high storage tank, pretreatment shut down, system indicator lights- run, low pressure, storage tank full, and permeate TDS sensor.



EPRO Medium RO's

EPRO™ reverse osmosis systems from Crane Environmental pioneered RO for homes and businesses in the mid 1970's and continue to purify millions of gallons per day in over 80 countries world-wide. RO has become the most economical and environmentally friendly way to purify water for an amazing array of applications requiring "better than tap water" water quality including:

- Spot-free rinsewater for carwashes
- Boiler & cooling tower makeup water
- Laundries and cleaners
- Nurseries and greenhouses
- Electronics fabrication
- Paint and assembly lines
- Food and beverage production & bottling
- Commercial printing
- Pharmaceutical production & laboratories
- Misting and humidification

Standard Features

- Carbon steel frame
- 316 SS multi-stage centrifugal pump
- High-rejection 4" TFC membranes
- FRP pressure vessels
- 5 micron sediment cartridge
- Concentrate control with recycle
- Permeate and concentrate flow meters
- Pre & post prefilter, 1st array, and concentrate gauges
- 230- 460/60Hz/3 phase TEFC motor
- Multi-function electronic control unit
- Pump throttle valve
- Sample ports: prefilter outlet, permeate, concentrate

Optional Features

- Configured systems with storage and repressurization
- TDS/conductivity sensor on RO feed water intake
- pH monitor/controller
- Auto-flush (with feed water), or permeate flush
- High TDS package
- Chemical dosing
- Interstage gauges
- Sample ports w/check valve on each pressure vessel





System Specifications

	EPRO	11500) (7x440)									
1	Production		3 rd Year Max		Element Size	Designed Recovery	Motor Horsepower (HP) (3 Phase)		Approx. Ship. Dimensions / Weight		Approx. Unit Dimensions / Weight	
建	GPD	m³/D	Operating Pressure	Inlet Size	/(Qty)	(without recycle)	60 Hz/220V Standard	50Hz/220V Standard	in. / lbs.	cm / kg.	in. / lbs.	cm / kg.
	11,500	43.5	199	1.5"	4"x40" / 7	40%	5	4	48/73/58 800	122/186/147 363	37/64/66 700	94/163/166 320
	EPRO	13000) (8x440)									
	Production		3 rd Year Max		Element Size	Designed Recovery	Motor Horse (3 Ph	nase)	Approx. Ship. Dimensions / Weight		Approx. Unit Dimensions / Weight	
1	GPD	m³/D	Operating Pressure	Inlet Size	/(Qty)	(without recycle)	60 Hz/220V Standard	50Hz/220V Standard	in. / lbs.	cm / kg.	in. / lbs.	cm / kg.
	13,000	49.2	198	1.5"	4"x40" / 8	45%	5	5.5	48/73/58 850	122/186/147 386	37/64/68.5 730	94/163/174 330
	EPRO	14500) (9x440)									
	Production		3 rd Year		Element	Designed	Motor Horse		Approx. Ship.		Approx. Unit	
			Max Operating	Inlet	Size	Recovery (without	(3 Ph 60 Hz/220V	1ase) 50Hz/220V	Dimension	ns / Weight	Dimension	ns / Weight
	GPD	m³/D	Pressure	Size	/(Qty)	recycle)	Standard	Standard	in. / lbs.	cm / kg.	in. / lbs.	cm / kg.
	14,500	54.9	191	1.5"	4"x40" / 9	50%	5	5.5	48/73/58 900	122/186/147 408	37/64/68.5 775	94/163/174 350
	EPRO	16000) (10x440)									
	Production		3 rd Year		Element	Designed	Motor Horse		Approx. Ship.		Approx. Unit	
			Max Operating	Inlet	Size	Recovery (without	(3 Ph 60 Hz/220V	1ase) 50Hz/220V	Dimension	ns / Weight	Dimension	ns / Weight
	GPD	m³/D	Pressure	Size	/(Qty)	recycle)	Standard	Standard	in. / lbs.	cm / kg.	in. / lbs.	cm / kg.
	16,000	60.6	189	1.5"	4"x40" / 10	50%	5	5.5	48/73/58 950	122/186/147 431	37/64/68.5 830	94/163/174 375
	EPRO	17500) (11x440)									
± ±	Production		3 rd Year		Element	Designed			Approx. Ship. Dimensions / Weight		Approx. Unit Dimensions / Weight	
.) =	Produc	ction			Sizo	_						
			Max Operating	Inlet	Size	Recovery (without	(3 Ph 60 Hz/220V	50Hz/220V	Dimension	ns / Weight	Dimension	ns / Weight
	GPD 17,500	m³/D	Max	Inlet Size 1.5"	/(Qty) 4"x40" / 11	Recovery	(3 Ph	nase)	in. / lbs. 48/73/58	cm / kg.	in. / lbs. 37/64/68.5	cm / kg. 94/163/174
	GPD 17,500	m³/D 66.3	Max Operating Pressure 189	Size	/(Qty)	Recovery (without recycle)	(3 Ph 60 Hz/220V Standard	50Hz/220V Standard	Dimension in. / lbs.	ns / Weight cm / kg.	Dimension in. / lbs.	os / Weight cm / kg.
	GPD 17,500 EPRO	m³/D 66.3	Max Operating Pressure	Size	/(Qty)	Recovery (without recycle) 50%	(3 Ph 60 Hz/220V Standard 5	standard 50Hz/220V Standard 5.5	in. / lbs. 48/73/58 1,000	cm / kg.	Dimension in. / lbs. 37/64/68.5 880	cm / kg. 94/163/174
	GPD 17,500	m³/D 66.3	Max Operating Pressure 189 (12x440) 3 rd Year Max	1.5"	/(Qty) 4"x40" / 11	Recovery (without recycle) 50% Designed Recovery	(3 Ph 60 Hz/220V Standard 5 Motor Horse (3 Ph	sase) 50Hz/220V Standard 5.5 epower (HP) nase)	in. / lbs. 48/73/58 1,000	cm / kg. 122/186/147 454	Dimension in. / lbs. 37/64/68.5 880 Appro	cm / kg. 94/163/174 400
	GPD 17,500 EPRO	m³/D 66.3	Max Operating Pressure 189 (12x440) 3rd Year	Size	/(Qty) 4"x40" / 11 Element	Recovery (without recycle) 50%	(3 Ph 60 Hz/220V Standard 5	sase) 50Hz/220V Standard 5.5	in. / lbs. 48/73/58 1,000	cm / kg. 122/186/147 454 x. Ship.	Dimension in. / lbs. 37/64/68.5 880 Appro	cm / kg. 94/163/174 400 x. Unit
	GPD 17,500 EPRO Produc	m³/D 66.3 19000	Max Operating Pressure 189 (12x440) 3 rd Year Max Operating	Size 1.5"	/(Qty) 4"x40" / 11 Element Size	Recovery (without recycle) 50% Designed Recovery (without	(3 Ph 60 Hz/220V Standard 5 Motor Horse (3 Ph 60 Hz/220V	50Hz/220V Standard 5.5 spower (HP) nase) 50Hz/220V	Dimension in. / lbs. 48/73/58 1,000 Appro Dimension	cm / kg. 122/186/147 454 xx. Ship. ns / Weight	Dimension in. / lbs. 37/64/68.5 880 Appro Dimension	s / Weight cm / kg. 94/163/174 400 x. Unit s / Weight
	GPD 17,500 EPRO Produc GPD 19,000	m ³ /D 66.3 19000 ction m ³ /D 71.9	Max Operating Pressure 189 (12x440) 3 rd Year Max Operating Pressure	Size 1.5" Inlet Size	/(Qty) 4"x40" / 11 Element Size /(Qty)	Recovery (without recycle) 50% Designed Recovery (without recycle)	(3 Ph 60 Hz/220V Standard 5 Motor Horse (3 Ph 60 Hz/220V Standard	solution (Standard S.5) Standard S.5 Standard S.5 Standard S.5 Standard Solution (Standard Standard Standar	Dimension in. / lbs. 48/73/58 1,000 Appro Dimension in. / lbs. 48/75/58	cm / kg. 122/186/147 454 x. Ship. cm / kg. 122/191/147	Dimension in. / lbs. 37/64/68.5 880 Appro Dimension in. / lbs. 37/64/68.5	cm / kg. 94/163/174 400 x. Unit s / Weight cm / kg. 94/163/174
	GPD 17,500 EPRO Produc GPD 19,000	m ³ /D 66.3 19000 ction m ³ /D 71.9	Max Operating Pressure 189 (12x440) 3rd Year Max Operating Pressure 186 (13x440) 3rd Year	Size 1.5" Inlet Size	/(Qty) 4"x40" / 11 Element Size /(Qty) 4"x40" / 12	Recovery (without recycle) 50% Designed Recovery (without recycle) 50% Designed Recovery	(3 Ph 60 Hz/220V Standard 5 Motor Horse (3 Ph 60 Hz/220V Standard 7.5	sase) 50Hz/220V Standard 5.5 spower (HP) sase) 50Hz/220V Standard 7.5	Dimension in. / lbs. 48/73/58 1,000 Appro Dimension in. / lbs. 48/75/58 1,050 Appro	cm / kg. 122/186/147 454 x. Ship. cm / kg. 122/191/147 476 x. Ship.	Dimension in. / lbs. 37/64/68.5 880 Appro Dimension in. / lbs. 37/64/68.5 950 Appro	cm / kg. 94/163/174 400 x. Unit s / Weight cm / kg. 94/163/174 430 x. Unit
	GPD 17,500 EPRO Produc GPD 19,000 EPRO Produc	m ³ /D 66.3 19000 ction m ³ /D 71.9 20500	Max Operating Pressure 189 (12x440) 3 rd Year Max Operating Pressure 186 (13x440)	Size 1.5" Inlet Size	/(Qty) 4"x40" / 11 Element Size /(Qty) 4"x40" / 12	Recovery (without recycle) 50% Designed Recovery (without recycle) 50%	(3 Ph 60 Hz/220V Standard 5 Motor Horse (3 Ph 60 Hz/220V Standard 7.5	sase) 50Hz/220V Standard 5.5 Spower (HP) sase) 50Hz/220V Standard 7.5 Spower (HP) sase) 50Hz/220V Standard 7.5	Dimension in. / lbs. 48/73/58 1,000 Appro Dimension in. / lbs. 48/75/58 1,050 Appro Dimension	cm / kg. 122/186/147 454 x. Ship. cm / kg. 122/191/147 476 x. Ship. cm / kg. 122/191/147 476 x. Ship. s / Weight	Dimension in. / lbs. 37/64/68.5 880 Appro Dimension in. / lbs. 37/64/68.5 950 Appro Dimension	cm / kg. 94/163/174 400 x. Unit s / Weight cm / kg. 94/163/174 430 x. Unit s / Weight x. Unit
	GPD 17,500 EPRO Produc GPD 19,000 EPRO Produc	m ³ /D 66.3 19000 ction m ³ /D 71.9	Max Operating Pressure 189 (12x440) 3"d Year Max Operating Pressure 186 (13x440) 3"d Year Max	Size 1.5" Inlet Size 1.5"	/(Qty) 4"x40" / 11 Element Size /(Qty) 4"x40" / 12	Recovery (without recycle) 50% Designed Recovery (without recycle) 50% Designed Recovery	(3 Ph 60 Hz/220V Standard 5 Motor Horse (3 Ph 60 Hz/220V Standard 7.5 Motor Horse (3 Ph 60 Hz/220V	sase) 50Hz/220V Standard 5.5 Spower (HP) sase) 50Hz/220V Standard 7.5 Spower (HP) sase) 50Hz/220V Standard 7.5	Dimension in. / lbs. 48/73/58 1,000 Appro Dimension in. / lbs. 48/75/58 1,050 Appro Dimension in. / lbs.	cm / kg. 122/186/147 454 x. Ship. s. / Weight cm / kg. 122/191/147 476 x. Ship. s / Weight cm / kg. 122/191/147 476	Dimension in. / lbs. 37/64/68.5 880 Appro Dimension in. / lbs. 37/64/68.5 950 Appro Dimension in. / lbs.	cm / kg. 94/163/174 400 x. Unit s / Weight cm / kg. 94/163/174 430 x. Unit s / Weight cm / kg. 94/163/174 430
	GPD 17,500 EPRO Produc GPD 19,000 EPRO Produc	m ³ /D 66.3 19000 ction m ³ /D 71.9 20500	Max Operating Pressure 189 (12x440) 3 rd Year Max Operating Pressure 186 (13x440) 3 rd Year Max Operating	Inlet Size 1.5" Inlet Size 1.5"	/(Qty) 4"x40" / 11 Element Size /(Qty) 4"x40" / 12 Element Size	Recovery (without recycle) 50% Designed Recovery (without recycle) 50% Designed Recovery (without recycle) (without recycle)	(3 Ph 60 Hz/220V Standard 5 Motor Horse (3 Ph 60 Hz/220V Standard 7.5 Motor Horse (3 Ph 60 Hz/220V	sase) 50Hz/220V Standard 5.5 Spower (HP) sase) 50Hz/220V Standard 7.5 Spower (HP) sase) 50Hz/220V Standard 7.5	Dimension in. / lbs. 48/73/58 1,000 Appro Dimension in. / lbs. 48/75/58 1,050 Appro Dimension	cm / kg. 122/186/147 454 x. Ship. cm / kg. 122/191/147 476 x. Ship. cm / kg. 122/191/147 476 x. Ship. s / Weight	Dimension in. / lbs. 37/64/68.5 880 Appro Dimension in. / lbs. 37/64/68.5 950 Appro Dimension	cm / kg. 94/163/174 400 x. Unit s / Weight cm / kg. 94/163/174 430 x. Unit s / Weight x. Unit
	GPD 17,500 EPRO Produc GPD 19,000 EPRO Produc GPD 20,500	m ³ /D 66.3 19000 ction m ³ /D 71.9 20500 ction m ³ /D 77.9	Max Operating Pressure 189 (12x440) 3rd Year Max Operating Pressure 186 (13x440) 3rd Year Max Operating Pressure	Inlet Size 1.5" Inlet Size 1.5"	/(Qty) 4"x40" / 11 Element Size /(Qty) 4"x40" / 12 Element Size /(Qty)	Recovery (without recycle) 50% Designed Recovery (without recycle) 50% Designed Recovery (without recycle)	(3 Ph 60 Hz/220V Standard 5 Motor Horse (3 Ph 60 Hz/220V Standard 7.5 Motor Horse (3 Ph 60 Hz/220V Standard	solution (HP) so	Dimension in. / lbs. 48/73/58 1,000 Appro Dimension in. / lbs. 48/75/58 1,050 Appro Dimension in. / lbs. 48/75/58	cm / kg. 122/186/147 454 x. Ship. s / Weight cm / kg. 122/191/147 476 x. Ship. y. Ship. y. Weight cm / kg. 122/191/147 476	Dimension in. / lbs. 37/64/68.5 880 Appro Dimension in. / lbs. 37/64/68.5 950 Appro Dimension in. / lbs. 37/64/68.5	cm / kg. 94/163/174 400 x. Unit ss / Weight cm / kg. 94/163/174 430 x. Unit ss / Weight cm / kg. 94/163/174 95 / Weight cm / kg. 94/163/174
	GPD 17,500 EPRO Produc GPD 19,000 EPRO Produc GPD 20,500	m ³ /D 66.3 19000 ction m ³ /D 71.9 20500 ction m ³ /D 77.9	Max Operating Pressure 189 (12x440) 3rd Year Max Operating Pressure 186 (13x440) 3rd Year Max Operating Pressure 187 (14x440) 3rd Year Max	Inlet Size 1.5" Inlet Size 1.5"	/(Qty) 4"x40" / 11 Element Size /(Qty) 4"x40" / 12 Element Size /(Qty)	Recovery (without recycle) 50% Designed Recovery (without recycle) 50% Designed Recovery (without recycle)	(3 Ph 60 Hz/220V Standard 5 Motor Horse (3 Ph 60 Hz/220V Standard 7.5 Motor Horse (3 Ph 60 Hz/220V Standard 7.5 Motor Horse (3 Ph 60 Hz/220V Standard 7.5	solution (HP) standard 7.5 spower (HP) standard 7.5	Dimension in. / lbs. 48/73/58 1,000 Appro Dimension in. / lbs. 48/75/58 1,050 Appro Dimension in. / lbs. 48/75/58 1,150 Appro Appro Dimension Appro Dimension Appro Dimension	cm / kg. 122/186/147 454 x. Ship. s / Weight cm / kg. 122/191/147 476 x. Ship. y. Ship. y. Weight cm / kg. 122/191/147 476	Dimension in. / lbs. 37/64/68.5 880 Appro Dimension in. / lbs. 37/64/68.5 950 Appro Dimension in. / lbs. 37/64/68.5 990 Appro	cm / kg. 94/163/174 400 x. Unit ss / Weight cm / kg. 94/163/174 430 x. Unit ss / Weight cm / kg. 94/163/174 95 / Weight cm / kg. 94/163/174
	GPD 17,500 EPRO Produc GPD 19,000 EPRO Produc GPD 20,500 EPRO	m ³ /D 66.3 19000 ction m ³ /D 71.9 20500 ction m ³ /D 77.9	Max Operating Pressure 189 (12x440) 3rd Year Max Operating Pressure 186 (13x440) 3rd Year Max Operating Pressure 187 (14x440) 3rd Year Max Operating	Inlet Size 1.5" Inlet Size 1.5"	/(Qty) 4"x40" / 11 Element Size /(Qty) 4"x40" / 12 Element Size /(Qty) 4"x40" / 13	Recovery (without recycle) 50% Designed Recovery (without recycle) 50% Designed Recovery (without recycle) 50% Designed Recovery (without recycle) 50%	(3 Ph 60 Hz/220V Standard 5 Motor Horse (3 Ph 60 Hz/220V Standard 7.5 Motor Horse (3 Ph 60 Hz/220V Standard 7.5 Motor Horse (3 Ph 60 Hz/220V Standard 7.5	solution (HP) (Standard Tr.5)	Dimension in. / lbs. 48/73/58 1,000 Appro Dimension in. / lbs. 48/75/58 1,050 Appro Dimension in. / lbs. 48/75/58 1,050 Appro Dimension Appro Dimension	x. Ship. cm / kg. 122/186/147 454 x. Ship. cm / kg. 122/191/147 476 x. Ship. cm / kg. 122/191/147 476 x. Ship. cm / kg. 122/191/147 522 x. Ship. cm / kg. 122/191/147 522	Dimension in. / lbs. 37/64/68.5 880 Appro Dimension in. / lbs. 37/64/68.5 950 Appro Dimension in. / lbs. 37/64/68.5 990 Appro Dimension	cm / kg. 94/163/174 400 x. Unit s / Weight cm / kg. 94/163/174 430 x. Unit s / Weight cm / kg. 94/163/174 430 x. Unit s / Weight cm / kg. 94/163/174 450 x. Unit s / Weight
	GPD 17,500 EPRO Produc GPD 19,000 EPRO Produc GPD 20,500 EPRO Produc	m ³ /D 66.3 19000 ction m ³ /D 71.9 20500 ction m ³ /D 77.9	Max Operating Pressure 189 (12x440) 3rd Year Max Operating Pressure 186 (13x440) 3rd Year Max Operating Pressure 187 (14x440) 3rd Year Max	Inlet Size 1.5" Inlet Size 1.5" Inlet Size 1.5"	/(Qty) 4"x40" / 11 Element Size /(Qty) 4"x40" / 12 Element Size /(Qty) 4"x40" / 13	Recovery (without recycle) 50% Designed Recovery (without recycle) 50% Designed Recovery (without recycle) 50%	(3 Ph 60 Hz/220V Standard 5 Motor Horse (3 Ph 60 Hz/220V Standard 7.5 Motor Horse (3 Ph 60 Hz/220V Standard 7.5 Motor Horse (3 Ph 60 Hz/220V Standard 7.5	solution (HP) standard 7.5 spower (HP) standard 7.5	Dimension in. / lbs. 48/73/58 1,000 Appro Dimension in. / lbs. 48/75/58 1,050 Appro Dimension in. / lbs. 48/75/58 1,150 Appro Appro Dimension Appro Dimension Appro Dimension	cm / kg. 122/186/147 454 x. Ship. s / Weight cm / kg. 122/191/147 476 x. Ship. s / Weight cm / kg. 122/191/147 522 x. Ship. s / Weight cm / kg.	Dimension in. / lbs. 37/64/68.5 880 Appro Dimension in. / lbs. 37/64/68.5 950 Appro Dimension in. / lbs. 37/64/68.5 990 Appro	cm / kg. 94/163/174 400 x. Unit s / Weight cm / kg. 94/163/174 430 x. Unit s / Weight cm / kg. 94/163/174 450 x. Unit

Note: Specifications are subject to change without notice. Systems shown with options. Contact your Crane Environmental Representative for the latest options and specifications.