



hydRO – SWRO Series Specifications – 50Hz



ISO 9001:2008

Model m ³ /d)	500	750	1000	1500
Recovery	35-40%	35-40%	35-40%	35-40%
Permeate Flow: m ³ /d (gpm)	500 (92)	750 (140)	1000 (185)	1,500 (275)
Concentrate Flow: m ³ /d (gpm)	932(171)	1,386(254)	1,856(341)	2,586 (474)
Pressure Vessels and Membrane Elements				
Pressure Vessels:	5	8	10	15
Membrane Elements:	35	54	70	105
PX Based System Pump & Motor @ 35% Recovery				
HPP Capacity: GPM (m ³ /hr)	93.4(21.2)	140.1(31.8)	186.9(42.4)	280.3(63.7)
HPP Pump Motor KW: (HP with VFD)	57(76.7)	88(117.5)	111(149.0)	159(213.4)
Booster Pump TDH: TDHm	34.7	31.6	33.7	33.7
Booster Pump Motor: KW (HP with VFD)	8(10.2)	11(15.3)	12(16.1)	19(24.8)
Turbo Charger ERT Based System Pump & Motor @ 35% Recovery				
HPP Capacity: GPM (m ³ /hr)	262.1(59.9)	393.1(89.3)	524.2(119.1)	786.2(178.6)
HPP Pump Motor KW: (HP with VFD)	88(117.9)	108(145.2)	146(195.7)	217(290.9)
Dimensions & Weight				
PV Skid				
Height: m (in)	2.59(102)	2.59(90)	2.59(90)	2.59(90)
Width: m (in)	2.13(84)	2.13(84)	2.13(84)	2.13(84)
Depth: m (in)	7.66(302)	7.66(302)	7.66(302)	7.66(302)
Empty Weight (Approx): kg (lbs)	2,000(4,409)	2,800(6,173)	3,200(7,055)	4,400(9,700)
Pump Skid PX Model				
Height: m (in)	2.29(90)	2.29(90)	2.29(90)	2.29(90)
Width: m (in)	1.68(66)	1.68(66)	1.68(66)	1.68(66)
Depth: m (in)	4.88(192)	4.88(192)	4.88(192)	4.88(192)
Empty Weight (Approx): kg (lbs)	500(1,102)	650(1,433)	800(1,764)	950(2,094)
Pump Skid Turbo Charger Model				
Height: m (in)	2.29(90)	2.29(90)	2.29(90)	2.29(90)
Width: m (in)	1.2(48)	1.2(48)	1.2(48)	1.2(48)
Depth: m (in)	3.96(156)	3.96(156)	3.96(156)	3.96(156)
Empty Weight (Approx): kg (lbs)	1,100(2,425)	1,400(3,086)	1,700(3,748)	2,000(4,409)
Cartridge Filter Skid				
Height: m (in)	2.13(84)	2.13(84)	2.13(84)	2.13(84)
Width: m (in)	1.07(42)	1.07(42)	1.07(42)	1.07(42)
Depth: m (in)	3.66(144)	3.66(144)	3.66(144)	3.66(144)
Empty Weight (Approx): kg (lbs)	420(926)	490(1,080)	800(1,764)	950(2,094)
Cleaning System				
CIP/Flushing Pump & Motor				
Pump Capacity: GPM (m ³ /hr)	199.9(45.4)	299.8(68.1)	399.8(90.8)	599.7(136.2)
Pump Motor: KW (HP)	45.4(61)	68.1(91)	90.8(122)	136.2(183)
CIP Tank:	Purchased Separately			
CIP Connections: in (mm)				
Feed:	4(100)	6(150)	6(150)	6(150)