

		1717 Doolittle Dr. San Leandro, CA 94577, USA Phone: 1-510-483-7370 FAX: 1-510-483-7371	Energy Recovery, Inc. Pressure Exchanger Specifications Sheet PX-Q260	REV	BY	CKD	REVISION	DATE
				0	TDR	JLA	INITIAL RELEASE	4/18/2012
				1	AKP	RAB	UPDATED FLOW INFO.	4/12/2018
DESCRIPTION: TECHNICAL DATA SHEET, POSITIVE DISPLACEMENT ENERGY RECOVERY DEVICE			Sheet Page 1 of 1 Document number: 80343-01					
1.Part number 40034			2. Service	3. Reference				
4	OPERATING CONDITIONS	Liquid	Seawater	44	TESTS	Performance	Standard	
5		Operating Temperature	33°F-120°F (0.6-49°C)	45		Case Hydrotest	Standard	
6		Max. Temperature	120°F (49°C)	46		Rotation Speed Test	Standard	
7		Specific Gravity	1025.18 kg/cu.m	47		Die Penetrant Test (ceramics)	Standard	
8		Viscosity	1.060 cP @ 70°F (21.1°C)	48		Cavitation Test	Standard	
9		Flow range	180 - 260 gpm (40.9-59 m3/h)	49		Witnessed Test	Optional	
10		Maximum High-Pressure Inlet Flow	260 gpm (59 m3/hr)	50				
11		Maximum Low-Pressure Outlet Flow	260 gpm (59 m3/hr)	51				
12		Maximum Inlet High Pressure	1200 psig (82.7 bar)	52				
13		Maximum Inlet Low Pressure	300 psig (20.7 bar)	53				
14		Minimum Discharge Pressure	9 psig (0.6 bar)	54		Outside Dimensions	Standard	
15		Filtration Requirement (Nominal)	20µm	55		Internal Components	Standard	
16				56		Housing Dimensions	Standard	
17				57		Ceramic Dimensions	Standard	
18	PERFORMANCE	Peak Efficiency	98%	58	INSPECTION	Material Certificates	Standard	
19		Maximum High Pressure Differential	15.7 psig (1.1 bar) @ 260 gpm	59		Visual	Standard	
20		Maximum Low Pressure Differential	11.7 psig (0.8 bar) @ 260 gpm	60		Packing and Crating	Standard	
21		Maximum Lubrication Flow	2.5 gpm (0.57 m3/hr)	61				
22		Maximum Rotational Speed	1400 rpm	62				
23		Maximum Salinity Increase at Membranes	3% @ 40% Recovery	63				
24		Warranted Efficiency***	96.8%	64				
25		Noise Per ISO 3744	Less than 85 dB (A)	65				
26	MATERIALS	Housing**	GRP	66	SHIPPING WEIGHT AND DIMENSIONS	PX-Q260 unit Shipping Dimensions	47x17x14 inch 119.3 43x35.5 cm	
27		Rotor, Sleeve, Endcover Assembly	Ceramic-alumina	67		Cartridge Shipping Dimensions	20x12x12 inch 50.8x30.5x30.5 cm	
28		Low Pressure Inlet Port Fitting	CN3MN	68				
29		Low Pressure Outlet Port Fitting	CN3MN	69		PX-Q260 unit Shipping Weight	196 lbs. (88.9 kg)	
30		High Pressure Inlet Port Fitting	CN3MN	70		Cartridge Weight	65 lbs. (29 kg)	
31		High Pressure Outlet Port Fitting	CN3MN	71		Dry PX-Q260 unit weight	185 lbs. (83.9 kg)	
32		Internal Low Pressure Interconnector*	Titanium, AL6XN* or Super Duplex	72				
33				73				
34		Fasteners/Hardware (non-wetted)	316SS	74				
35		Tension Rod Assembly*	AL-6XN* / C-276	75				
36		O-rings	EPDM	76				
37	PIPING CONNECTIONS	Low Pressure Inlet Port Fitting	3" Grooved-end Flexible Pipe Coupling	77	MISCELLANEOUS			
38		Low Pressure Outlet Port Fitting		78				
39		High Pressure Inlet Port Fitting		79				
40		High Pressure Outlet Port Fitting		80				
41				81				
42				82				
43				83				
*AL-6XN is a registered trademark of Allegheny Ludlum **Housing designed in accordance with the engineering standards of the Boiler and Pressure Vessel Code of the American Society of Mechanical Engineers. ***The standardized efficiency test is conducted under conditions of balanced flow, 1000psi pressure and the mid-flow for the PX model under test. ERI RESERVES THE RIGHT TO MAKE SPECIFICATION CHANGES AT ANY TIME WITHOUT PRIOR NOTICE.								
PRICE: sales@energyrecovery.com								
MANUFACTURER: Energy Recovery Inc			MODEL: PX-Q260					