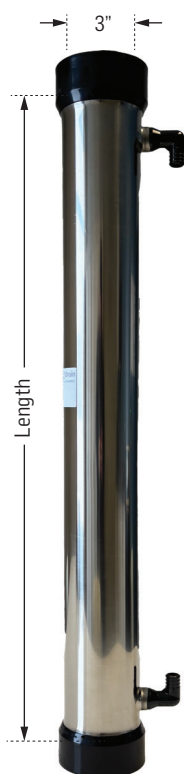


THE NEXT GENERATION DWHR UNIT

The ThermoDrain™ TDX series represents the next evolution in (DWHR) Drain Water Heat Recovery technology. Featuring a robust stainless steel construction and its refined compact design maintains high thermal efficiency while simplifying installation. Engineered with exclusive performance-driven features, the ThermoDrain™ TDX series sets a new benchmark for reliability and efficiency in drain water heat recovery.



Unique 360 degree swivel fitting for effortless installation



1

Robust 316L stainless steel

2

Dual wall shell design
3" standard drain
ABS solvent cement install

3

Compact design
Easy to install and transport
Requires minimal installation space

4

3 year warranty

TECHNICAL CHARACTERISTICS

- Potable water shell: Stainless steel 316L
- Approved maximum pressure rating of 150psi 1030 kPa;
- Maximum recommended flow rate of 20.0 LPM (5.5 GPM)

DRAIN CENTER TUBE

- Made from DWV copper, conforms to ASTM 306;
- The nominal diameter is the same as the drainage pipe on which the device is installed. [Standard diameters: 3"]

CERTIFICATIONS

- The length of the heat exchanger is in accordance with engineering drawings. Standard length: 24" to 72"
- The thermal effectiveness of the heat exchanger is verified to CSA B55.1:20. [All models]
- The construction of the heat exchanger is certified to CSA B55.2:20. [All models]
- 3/4 Potable water outlet ASTM F2159, CSA B137.5 NSF/ANSI/CAN 61, cUPC PPSU
- Drain inlet and outlets are certified to ASTM D2661, CSA B181.1, cUPC
- Unit is certified to NSF/ANSI/CAN 61/NSF/ANSI/CAN 372

INSTALLATION

The drain water heat exchanger will be integrated into the plumbing system using ABS solvent cement. The drain water heat recovery unit will be installed vertically, as recommended by the manufacturer.

ACCEPTED PRODUCT

ThermoDrain models TDX3XXXB from EcoInnovation Technologies inc. [See technical drawing sheet].

LENGTH

Distance between two sections of drain pipe where the unit will install.



LENGTH			9.5 LPM / 2.5 GPM			7.0 LPM / 1.85 GPM			5.5 LPM / 1.45 GPM		
MODEL	(in)	Mass in kg	Heat			Heat			Heat		
			Efficiency	Recovery (kW)	Pressure Loss (kPa)	Efficiency	Recovery (kW)	Pressure Loss (kPa)	Efficiency	Recovery (kW)	Pressure Loss (kPa)
TDX3240B-PEX	24.00	4.23	33.59%	6.18	12.95	38.75%	5.27	7.52	41.83%	4.44	4.94
TDX3245B-PEX	24.50	4.31	34.01%	6.25	13.01	39.17%	5.33	7.55	42.24%	4.48	4.96
TDX3250B-PEX	25.00	4.38	34.43%	6.33	13.07	39.59%	5.38	7.58	42.65%	4.52	4.98
TDX3255B-PEX	25.50	4.46	34.85%	6.41	13.13	40.00%	5.44	7.61	43.05%	4.56	5.00
TDX3260B-PEX	26.00	4.54	35.26%	6.48	13.18	40.41%	5.49	7.63	43.46%	4.61	5.02
TDX3265B-PEX	26.50	4.62	35.67%	6.56	13.24	40.82%	5.54	7.66	43.86%	4.65	5.04
TDX3270B-PEX	27.00	4.69	36.08%	6.63	13.29	41.22%	5.60	7.68	44.25%	4.69	5.06
TDX3275B-PEX	27.50	4.77	36.48%	6.70	13.34	41.62%	5.65	7.71	44.64%	4.73	5.08
TDX3280B-PEX	28.00	4.85	36.88%	6.78	13.39	42.02%	5.70	7.73	45.03%	4.77	5.09
TDX3285B-PEX	28.50	4.93	37.28%	6.85	13.44	42.41%	5.75	7.76	45.41%	4.81	5.11
TDX3290B-PEX	29.00	5.00	37.67%	6.92	13.49	42.80%	5.81	7.78	45.79%	4.85	5.13
TDX3295B-PEX	29.50	5.08	38.05%	6.99	13.54	43.18%	5.86	7.81	46.17%	4.89	5.15
TDX3300B-PEX	30.00	5.16	38.44%	7.06	13.59	43.56%	5.91	7.83	46.54%	4.92	5.16
TDX3305B-PEX	30.50	5.23	38.82%	7.13	13.63	43.94%	5.96	7.85	46.91%	4.96	5.18
TDX3310B-PEX	31.00	5.31	39.19%	7.20	13.68	44.31%	6.01	7.87	47.27%	5.00	5.19
TDX3315B-PEX	31.50	5.39	39.57%	7.27	13.72	44.68%	6.06	7.90	47.64%	5.04	5.21
TDX3320B-PEX	32.00	5.47	39.94%	7.34	13.76	45.05%	6.10	7.92	47.99%	5.07	5.23
TDX3325B-PEX	32.50	5.54	40.30%	7.40	13.80	45.41%	6.15	7.94	48.35%	5.11	5.24
TDX3330B-PEX	33.00	5.62	40.66%	7.47	13.84	45.77%	6.20	7.96	48.70%	5.15	5.26
TDX3335B-PEX	33.50	5.70	41.02%	7.53	13.88	46.13%	6.25	7.98	49.04%	5.18	5.27
TDX3340B-PEX	34.00	5.77	41.37%	7.60	13.92	46.48%	6.29	8.00	49.39%	5.22	5.28
TDX3345B-PEX	34.50	5.85	41.72%	7.66	13.96	46.83%	6.34	8.01	49.73%	5.25	5.30
TDX3350B-PEX	35.00	5.93	42.07%	7.73	13.99	47.17%	6.39	8.03	50.06%	5.29	5.31
TDX3355B-PEX	35.50	6.01	42.41%	7.79	14.03	47.51%	6.43	8.05	50.39%	5.32	5.32
TDX3360B-PEX	36.00	6.08	42.75%	7.85	14.06	47.85%	6.48	8.07	50.72%	5.36	5.34
TDX3365B-PEX	36.50	6.16	43.09%	7.91	14.10	48.18%	6.52	8.08	51.05%	5.39	5.35
TDX3370B-PEX	37.00	6.24	43.42%	7.97	14.13	48.51%	6.56	8.10	51.37%	5.42	5.36



LENGTH			9.5 LPM / 2.5 GPM			7.0 LPM / 1.85 GPM			5.5 LPM / 1.45 GPM		
MODEL	(in)	Mass in kg	Efficiency	Recovery (kW)	Pressure Loss (kPa)	Efficiency	Recovery (kW)	Pressure Loss (kPa)	Efficiency	Recovery (kW)	Pressure Loss (kPa)
TDX3375B-PEX	37.50	6.31	43.74%	8.03	14.16	48.83%	6.61	8.12	51.68%	5.46	5.37
TDX3380B-PEX	38.00	6.39	44.07%	8.09	14.19	49.15%	6.65	8.13	52.00%	5.49	5.38
TDX3385B-PEX	38.50	6.47	44.39%	8.15	14.22	49.47%	6.69	8.15	52.31%	5.52	5.39
TDX3390B-PEX	39.00	6.55	44.70%	8.21	14.24	49.79%	6.74	8.16	52.61%	5.55	5.40
TDX3395B-PEX	39.50	6.62	45.02%	8.27	14.27	50.10%	6.78	8.17	52.91%	5.58	5.41
TDX3400B-PEX	40.00	6.70	45.33%	8.32	14.30	50.40%	6.82	8.19	53.21%	5.61	5.42
TDX3405B-PEX	40.50	6.78	45.63%	8.38	14.32	50.71%	6.86	8.20	53.51%	5.65	5.43
TDX3410B-PEX	41.00	6.86	45.93%	8.43	14.34	51.01%	6.90	8.21	53.80%	5.68	5.44
TDX3415B-PEX	41.50	6.93	46.23%	8.49	14.37	51.30%	6.94	8.23	54.08%	5.71	5.45
TDX3420B-PEX	42.00	7.01	46.52%	8.54	14.39	51.59%	6.98	8.24	54.37%	5.74	5.46
TDX3425B-PEX	42.50	7.09	46.81%	8.59	14.41	51.88%	7.02	8.25	54.65%	5.76	5.47
TDX3430B-PEX	43.00	7.16	47.10%	8.65	14.43	52.17%	7.06	8.26	54.92%	5.79	5.48
TDX3435B-PEX	43.50	7.24	47.38%	8.70	14.44	52.45%	7.09	8.27	55.19%	5.82	5.48
TDX3440B-PEX	44.00	7.32	47.66%	8.75	14.46	52.72%	7.13	8.28	55.46%	5.85	5.49
TDX3445B-PEX	44.50	7.40	47.93%	8.80	14.48	53.00%	7.17	8.29	55.73%	5.88	5.50
TDX3450B-PEX	45.00	7.47	48.21%	8.85	14.49	53.27%	7.20	8.30	55.99%	5.91	5.51
TDX3455B-PEX	45.50	7.55	48.47%	8.90	14.50	53.53%	7.24	8.31	56.25%	5.93	5.51
TDX3460B-PEX	46.00	7.63	48.74%	8.95	14.52	53.80%	7.27	8.31	56.50%	5.96	5.52
TDX3465B-PEX	46.50	7.70	49.00%	8.99	14.53	54.05%	7.31	8.32	56.75%	5.99	5.52
TDX3470B-PEX	47.00	7.78	49.25%	9.04	14.54	54.31%	7.34	8.33	57.00%	6.01	5.53
TDX3475B-PEX	47.50	7.86	49.50%	9.09	14.55	54.56%	7.38	8.33	57.24%	6.04	5.53
TDX3480B-PEX	48.00	7.94	49.75%	9.13	14.56	54.81%	7.41	8.34	57.48%	6.06	5.54
TDX3485B-PEX	48.50	8.01	50.00%	9.18	14.56	55.05%	7.45	8.34	57.71%	6.09	5.54
TDX3490B-PEX	49.00	8.09	50.24%	9.22	14.57	55.29%	7.48	8.35	57.94%	6.11	5.55
TDX3495B-PEX	49.50	8.17	50.48%	9.27	14.57	55.53%	7.51	8.35	58.17%	6.14	5.55
TDX3500B-PEX	50.00	8.24	50.71%	9.31	14.58	55.76%	7.54	8.36	58.40%	6.16	5.55
TDX3505B-PEX	50.50	8.32	50.94%	9.35	14.58	55.99%	7.57	8.36	58.62%	6.18	5.56



LENGTH MODEL		Mass in kg (in)	9.5 LPM / 2.5 GPM			7.0 LPM / 1.85 GPM			5.5 LPM / 1.45 GPM		
			Efficiency	Recovery (kW)	Pressure Loss (kPa)	Efficiency	Recovery (kW)	Pressure Loss (kPa)	Efficiency	Recovery (kW)	Pressure Loss (kPa)
TDX3510B-PEX		51.00	51.17%	9.39	14.58	56.22%	7.60	8.36	58.83%	6.21	5.56
TDX3515B-PEX		51.50	51.39%	9.44	14.58	56.44%	7.63	8.37	59.05%	6.23	5.56
TDX3520B-PEX		52.00	51.61%	9.48	14.58	56.66%	7.66	8.37	59.26%	6.25	5.56
TDX3525B-PEX		52.50	51.82%	9.51	14.58	56.87%	7.69	8.37	59.46%	6.27	5.56
TDX3530B-PEX		53.00	52.03%	9.55	14.58	57.08%	7.72	8.37	59.66%	6.29	5.56
TDX3535B-PEX		53.50	52.24%	9.59	14.58	57.29%	7.75	8.37	59.86%	6.32	5.57
TDX3540B-PEX		54.00	52.44%	9.63	14.57	57.49%	7.78	8.37	60.05%	6.34	5.57
TDX3545B-PEX		54.50	52.64%	9.67	14.56	57.69%	7.81	8.37	60.25%	6.36	5.57
TDX3550B-PEX		55.00	52.84%	9.70	14.56	57.89%	7.83	8.37	60.43%	6.38	5.57
TDX3555B-PEX		55.50	53.03%	9.74	14.55	58.08%	7.86	8.37	60.62%	6.40	5.57
TDX3560B-PEX		56.00	53.22%	9.77	14.54	58.27%	7.89	8.37	60.79%	6.42	5.56
TDX3565B-PEX		56.50	53.40%	9.81	14.53	58.45%	7.91	8.37	60.97%	6.43	5.56
TDX3570B-PEX		57.00	53.58%	9.84	14.52	58.63%	7.94	8.36	61.14%	6.45	5.56
TDX3575B-PEX		57.50	53.76%	9.87	14.51	58.81%	7.96	8.36	61.31%	6.47	5.56
TDX3580B-PEX		58.00	53.93%	9.91	14.50	58.98%	7.98	8.36	61.48%	6.49	5.56
TDX3585B-PEX		58.50	54.10%	9.94	14.48	59.15%	8.01	8.35	61.64%	6.51	5.56
TDX3590B-PEX		59.00	54.27%	9.97	14.47	59.32%	8.03	8.35	61.79%	6.52	5.55
TDX3595B-PEX		59.50	54.43%	10.00	14.45	59.48%	8.05	8.34	61.95%	6.54	5.55
TDX3600B-PEX		60.00	54.59%	10.03	14.43	59.64%	8.08	8.34	62.10%	6.56	5.55
TDX3605B-PEX		60.50	54.75%	10.06	14.41	59.79%	8.10	8.33	62.24%	6.57	5.54
TDX3610B-PEX		61.00	54.90%	10.08	14.39	59.95%	8.12	8.33	62.38%	6.59	5.54
TDX3615B-PEX		61.50	55.04%	10.11	14.37	60.09%	8.14	8.32	62.52%	6.60	5.53
TDX3620B-PEX		62.00	55.19%	10.14	14.35	60.24%	8.16	8.31	62.66%	6.62	5.53
TDX3625B-PEX		62.50	55.33%	10.16	14.33	60.38%	8.18	8.31	62.79%	6.63	5.52
TDX3630B-PEX		63.00	55.46%	10.19	14.30	60.51%	8.20	8.30	62.92%	6.65	5.52
TDX3635B-PEX		63.50	55.59%	10.21	14.28	60.65%	8.22	8.29	63.04%	6.66	5.51
TDX3640B-PEX		64.00	55.72%	10.24	14.25	60.78%	8.24	8.28	63.16%	6.68	5.51



MODEL	LENGTH (in)	Mass in kg	9.5 LPM / 2.5 GPM			7.0 LPM / 1.85 GPM			5.5 LPM / 1.45 GPM		
			Efficiency	Heat Recovery (kW)	Pressure Loss (kPa)	Efficiency	Heat Recovery (kW)	Pressure Loss (kPa)	Efficiency	Heat Recovery (kW)	Pressure Loss (kPa)
TDX3645B-PEX	64.50	10.48	55.85%	10.26	14.23	60.90%	8.26	8.27	63.28%	6.69	5.50
TDX3650B-PEX	65.00	10.56	55.97%	10.28	14.20	61.02%	8.27	8.26	63.39%	6.70	5.49
TDX3655B-PEX	65.50	10.64	56.09%	10.31	14.17	61.14%	8.29	8.25	63.50%	6.71	5.48
TDX3660B-PEX	66.00	10.72	56.20%	10.33	14.14	61.26%	8.31	8.24	63.60%	6.73	5.48
TDX3665B-PEX	66.50	10.79	56.31%	10.35	14.11	61.37%	8.32	8.23	63.71%	6.74	5.47
TDX3670B-PEX	67.00	10.87	56.41%	10.37	14.07	61.47%	8.34	8.21	63.80%	6.75	5.46
TDX3675B-PEX	67.50	10.95	56.52%	10.39	14.04	61.58%	8.35	8.20	63.90%	6.76	5.45
TDX3680B-PEX	68.00	11.02	56.61%	10.41	14.01	61.68%	8.37	8.19	63.99%	6.77	5.44
TDX3685B-PEX	68.50	11.10	56.71%	10.42	13.97	61.77%	8.38	8.18	64.07%	6.78	5.43
TDX3690B-PEX	69.00	11.18	56.80%	10.44	13.93	61.86%	8.40	8.16	64.16%	6.79	5.43
TDX3695B-PEX	69.50	11.26	56.89%	10.46	13.90	61.95%	8.41	8.15	64.24%	6.80	5.42
TDX3700B-PEX	70.00	11.33	56.97%	10.47	13.86	62.04%	8.42	8.13	64.31%	6.81	5.40
TDX3705B-PEX	70.50	11.41	57.05%	10.49	13.82	62.12%	8.44	8.12	64.38%	6.82	5.39
TDX3710B-PEX	71.00	11.49	57.13%	10.50	13.78	62.19%	8.45	8.10	64.45%	6.83	5.38
TDX3715B-PEX	71.50	11.56	57.20%	10.52	13.73	62.27%	8.46	8.08	64.52%	6.83	5.37
TDX3720B-PEX	72.00	11.64	57.27%	10.53	13.69	62.34%	8.47	8.07	64.58%	6.84	5.36



EFFICIENCY vs. LENGTH

