

DDI HEAT EXCHANGER GUIDE 07-Feb

WATER TO DIGESTED SLUDGE APPLICATION

HEAT TRANSFER DUTY	BTUH	500,000	1,000,000	2,000,000	3,000,000
DIGESTED SLUDGE FLOW	USGPM	200	200	300	200
VISCOSITY	CPS	30	30	30	30
TEMP IN/OUT	F	94/96	94/96	94/96	94/96
HOT WATER FLOW		200	200	300	200
VISCOSITY	CPS	0.45	0.45	0.45	0.45
TEMP IN/OUT	F	150/145	150/140	150/137	150/130
DUCT CROSS SECTION	" x "	10.5 x 2.5	10.5 x 2.5	13.5 x 2.5	10.5 x 2.5
NR. OF LAYERS		5	11	15	18
SURFACE AREA/LAYER	FT. x FT.	35	35	45	45
TOTAL SURFACE AREA	SQ. FT	175	385	675	810
OVERALL SIZE L x W x H	FT	10.5x4.75X3	10.5x4.75X5	10.5x5.75X6.2	10.5x5.75X7.5
WEIGHT EMPTY	LBS	1600	2700	4750	5000

DATA AND EXCHANGER DIMENSIONS MAY VARY FROM PUBLISHED INFO DEPENDING ON VARIABLE FACTORS.

DIGESTED TO RAW MIXED SLUDGE APPLICATION

HEAT RECOVERY DUTY	BTUH	500,000	875,000	1,750,000	2,625,000
MIXED SLUDGE FLOW	USGPM	150	200	250	300
VISCOSITY	CPS	80	80	80	80
TEMP IN/OUT	F	60/66.5	60/68.5	60/73.6	60/77
DIGESTED SLUDGE FLOW	USGPM	150	200	250	300
VISCOSITY	CPS	50	50	30	30
TEMP IN/OUT	F	95/88	95/86	145/131	145/128
DUCT CROSS SECTION	" x "	10.5 x 2.5	10.5 x 2.5	13.5 x 2.5	10.5 x 2.5
NR. OF LAYERS		25	39	21	29
SURFACE AREA/LAYER	FT. x FT.	35	35	45	45
TOTAL SURFACE AREA	SQ. FT	875	1365	945	1305
OVERALL SIZE L x W x H	FT	10.5x4.75X6.4	10.5x4.75X9.3	10.5x5.75X5.5	10.5x5.75X7
WEIGHT EMPTY	LBS	14550	22000	12750	16600

HEAT TRANSFER CHANNEL CROSS SECTIONAL AREAS DESIGNED FOR TROUBLE FREE OPERATION
 HEAT EXCHANGER UNIT TRANSFER LAYERS IN 3/16" THK 304L S.STL. (also available in 1/4"M.Stl.)
 OTHER CUSTOM SIZES AVAILABLE TO COMPLY WITH YOUR REQUIREMENTS