

No.	Date	Location (Customer)	Purchaser	Equipment Name	Quantity	Tube Material	Tube Size (mm)
247	'07 JUN.	KASHIMA, JAPAN (JAPAN ENERGY CORP.)	FEI/CCEC	RIPE-X (B) PROJECT 2PX-FU-601 XYLENE RETURN COLUMN REBOILER HTR RAD. COIL (F.W) CROSSOVER (F.W) 2PX-FU-751 REACTOR FEED HTR RAD. COIL (F.W) CROSSOVER (F.W) 2TA-FU-801 REACTOR FEED HTR RAD. COIL (F.W)	1 ST 1 ST 1 ST 1 ST 1 ST	STF410 STF410 STFA24 STFA24 STFA24	216.3 × 7.2 (96) 165.2 × 6.2 (80) 216.3 × 11.1 (8) 165.2 × 9.6 (8) 165.2 × 9.6 (8)
* 248	'07 NOV.	CHIBA, JAPAN (MARUZEN PETROCHEMICAL CO., LTD) SFM-1 65.3 TON SFM-2 61 TON SFM-3 41.7 TON SFM-4 72.7 TON SFM-5 72.8 TON 5 BLOCKS × 2 HTR	FEI/TEC	3EPR PROJECT AH-5-1/AH-5-2 CRACKING HTR CONV. MODULE CROSSOVER PIPE	10 BLOCKS 1 LOT	A106-B A106-B A210-A1 A335-T11 A335-T22 SUS347 SUS347	101.6 × 5.7 (1,020) 141.3 × 6.5 (48) 73.0 × 8.7 (384) 73.0 × 8.4 (240) 73.0 × 14.2 (528) 141.3 × 6.7 (144) 219.3 × 8.2 (48)
249	'08 MAY.	KAWASAKI, JAPAN (TOA OIL CO., LTD)	FEI/CKS	F-4201 HEATER REPLACE RAD. COIL (SHOP PREFAB.) (FIELD WELD.)	1 ST	SUS347AP SUS347AP	168.3 × 7.6 (102) 168.3 × 7.6 (70)
* 250	'08 MAY.	CHITA, JAPAN (JAPAN ENERGY CORP.)	MES	TA-F-351 HTR CONV. COIL	1 ST	SUS304H	165.2 × 7.1 (48)
* 251	'08 JUL.	MIZUSHIMA, JAPAN (JAPAN ENERGY CORP.) CONV. FU-601 16 TON FU-701 (U) 21 TON FU-701 (L) 21 TON FU-801 (U) 27 TON FU-801 (L) 25 TON	MES	RING-III PROJECT 4TP-FU-601 PREFLASH COLUMN REBOILER CONV. COIL RAD. COIL 4TP-FU-701 REACTOR CHARG HEATER CONV. COIL RAD. COIL 4TP-FU-801 CHARGE HEATER CONV. COIL RAD. COIL	1 BLOCK 2 BUNDLES 2 BLOCKS 2 BUNDLES 2 BLOCKS 4 BUNDLES	STFA25 STFA25 SUS321H SUS321H STFA26 STFA26	114.3 × 8.0 (60) 114.3 × 8.0 (102) 165.2 × 8.0 (78) 216.3 × 10.0 (116) 139.8 × 6.5 (94) 165.2 × 7.0 (260)

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* 252	'08 AUG.	MIZUSHIMA, JAPAN (NIPPON OIL CORP.) CONV. 40 TON	FEI/CCEC	1SDA PROJECT 1SDA-FU-01 HOT OIL FURNACE CONV. COIL RAD. COIL	1 BLOCK 4 BUNDLES	SA106-B SA106-B	168.3 × 7.1 (132) 168.3 × 7.1 (160)
* 253	'08 AUG.	ICHIHARA, JAPAN (MITSUI CHEMICALS, INC.) CONV. 21 TON	FEI/TEC	2NFP PROJECT F-2001 DP REACTOR FEED HEATER CONV. COIL RAD. COIL	1 BLOCK 4 BUNDLES	SA106-B SA106-B SA335-P11	168.3 × 7.1 (52) 168.3 × 7.1 (24) 168.3 × 7.1 (56)
* 254	'08 OCT.	SANYOONDA, JAPAN (SEIBU OIL CO., LTD) CONV. (U) 184 TON (M) 175 TON (L) 101 TON 3 BLOCKS	FEI/CCEC	CCR CONSTRUCTION PROJECT F-1801-1/2/3/4 CCR FURNACE RAD SEC. CONV. SEC.	4 CELLS 3 BLOCKS	STFA26 STFA26 SCMV3 STB410 STBA24 STPT410 STPA24 STPT410 STPT410	114.3 × 6.0 (312) 141.3 × 6.5 (60) 914.4 × 18.0 (8) 114.3 × 8.6 (810) 114.3 × 8.6 (114) 165.2 × 11.0 (4) 267.4 × 21.4 (4) 267.4 × 18.2 (2) 406.4 × 28.2 (2)
255	'09 FEB.	SODEGAURA, JAPAN (FUJI OIL COMPANY, LTD)	FEI/CCEC	F-18-102 PREHEATER CONV. COIL RAD. COIL F-18-200 CRACKING HEATER CONV. COIL RAD. COIL F-18-204 STEAM SUPER HEATER CONV. COIL	1 ST 1 ST 1 ST 1 ST 1 ST	STFA25 STFA25 STFA26 STFA26 STF410	89.1 × 5.5 (84) 89.1 × 5.5 (210) 89.1 × 7.6 (84) 89.1 × 7.6 (158) 165.2 × 7.1 (36)
* 256	'09 MAY.	SAKAI, JAPAN (COSMO OIL CO., LTD) CONV. 37 TON RAD. 47 TON	JGC	CBU PROJECT/445 DHU UNIT H001 HYDROTREATING REACTOR CHARGE HTR CONV. SEC. RAD. SEC.	1 BLOCK 1 BLOCK	SUS347HTF SUS347HTF	165.2 × 7.1 (66) 165.2 × 7.1 (72)

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		RAD. 103 TON		H201 DISTILLATE COMBINED FEED HTR RAD. SEC.	1 BLOCK	SUS347HTF	165.2 × 16.2 (84)
		RAD. 69 TON		H401 HCGO COMBINED FEED HTR RAD. SEC.	1 BLOCK	SUS347HTF	165.2 × 17.7 (42)
		CONV. 55 TON		H301 LIGHT PRODUCT FRACTIONATOR REBOILER HTR CONV. SEC.	1 BLOCK	SA335-P11	141.3 × 6.6 (292)
		RAD. 58 TON		RAD. SEC.	1 BLOCK	SA335-P11	141.3 × 6.6 (132)
		RAD. 41 TON		H501 HEAVY PRODUCT FRACTIONATOR FEED HTR RAD. SEC.	1 BLOCK	STFA26	165.2 × 17.7 (42)
257	'09 JUN.	SAKAIDE, JAPAN (COSMO OIL CO., LTD)	FEI/CCEC	2HP REFORMER A-Coil REPLACE CONV. COIL	1 BUNDLE	STFA26 FA26/347 SUS347HTF STFA24 SUS347HTF	114.3 × 6.0 (160) 114.3 × 6.0 (8) 114.3 × 8.0 (24) 267.4 × 13.2 (2) 267.4 × 9.3 (2)
* 258	'09 SEP.	IMABARI, JAPAN (TAIYO OIL COMPANY, LTD) CONV. 15TON RAD. 15TON	FEI/TEC	TRP PROJECT F-9701 HDS FINISHING REACTOR FEED HTR CONV. SEC. RAD. SEC.	1 BLOCK 1 BLOCK	SUS321TF SUS321TF	139.8 × 6.5 (60) 139.8 × 6.5 (88)
* 259	10 NOV.	YOKKAICHI, JAPAN (COSMO OIL CO., LTD.) CONV. (U) 34.5TON CONV. (L) 29.0TON	FEI/CEC	MX PROJECT NB-601 XYLENE SPLITTER REBOILER HTR RAD. COIL. CONV. SEC.	8 BUNDLES 2 BLOCKS	SA106-B SA106-B	168.3 × 7.1 (154) 168.3 × 7.1 (140)
260	11 FEB.	MARY, TURKMENISTAN MAX. 90 TON	KHI	AMMONIA & UREA PLANT PRIMARY REFORMER FURNACE H-2101 CONV. COIL AUXILIARY BOILER	13 BUNDLES 5 BUNDLES	A312TP304H A312TP304H SA335-P91 SA335-P91 SA106-B SA106-B SA106-B SA106-B SA335-P91 SA106-B	114.3 × 8.6 (176) 114.3 × 13.4 (240) 114.3 × 8.6 (406) 114.3 × 11.1 (384) 114.3 × 8.6 (261) 114.3 × 13.4 (534) 114.3 × 6.0 (78) 323.8 × 33.3 73.0 × 7.0

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* 261	11 JUN.	OARAI, JAPAN (MHI / JAEA)	JGC/MHI/JAEA	Na HEATER CONV. SEC.	6 BLOCKS	SUS304HTB	101.6 × 5.0 (648)
				RAD. SEC.	12 BLOCKS	SUS316HTB	101.6 × 5.0 (180)
						SUS316HTB	101.6 × 5.0 (558)
		CONV. 15TON × 6 CELLS		INLET MANIFOLD		SUS304HTP	318.5 × 10.3 (18)
		RAD. (U) 18TON × 6 CELLS				SUS304HTB	101.6 × 5.0 (144)
		RAD. (L) 17TON × 6 CELLS		OUTLET MANIFOLD		SUS316HTP	318.5 × 10.3 (18)
						SUS316HTB	101.6 × 5.0 (144)
		18 BLOCKS					
* 262	12 MAR.	NIIHAMA, JAPAN (Sumitomo Chemical Company, Limited)	MES	E501-1~4 WASTE HEAT BOILER REPLACE CONV. SEC.	4 BLOCKS	SUS304HTB	114.3 × 6.0 (424)
		ECONOMIZER 14TON					
		STM GENERATOR (U) 19TON					
		STM SUPERHEATER 20TON					
		STM GENERATOR (L) 13TON					
		4 BLOCKS					
* 263	12 APR.	IWAKUNI, JAPAN (Union Sekiyu Kogyo Co., Ltd)	FEI	VH-1 CHARGE HEATER CONV. SEC.	1 BLOCK		
				RAD. SEC.	1 BLOCK		
264	12 MAY	KAWASAKI, JAPAN (TonenGeneral Sekiyu KK)	FEI/CKS	2012 TA, Small Project E-320 CONV. REVAMP	1 ST	SUS347HTF	165.2 × 9.4 (20)
265	12 JUN.	MIZUSHIMA, JAPAN (JX Nippon Oil & Energy Corporation)	FEI/CKS	FU-901 REACTOR CHARGE HEATER REVAMP	1 ST	SUS347 347AP	165.2 × 7.5 (54)

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* 266	12 SEP.	OOITA, JAPAN (NS Styrene Monomer Co., Ltd.)	JPI	NO. 2SM RENEWAL PROJECT F-2301 STEAM SUPERHEATER RAD. SEC. COIL-A	1 ST	HP micro A358-304H B409 N08811	123.3 × 8.2 609.6 × 12.7 711.2 × 24.8
		BREECHING 10TON BFW 41TON SSH (U) 30TON SSH (L) 37TON		COIL-B	1 ST	HP micro A358-304H B409 N08811	73 × 7.0 609.6 × 15.9 711.2 × 24.8
		4 BLOCKS		CONV. SEC.	4 BLOCKS	STB340 STPT410 SUS304HTF SIPT410 SUS304TPY	114.3 × 4.5 165.2 × 6.5 216.3 × 6.5 457.2 × 14.3 508.0 × 12.7
267	12 SEP.	YOKOHAMA, JAPAN (JX Nippon Oil & Energy Corporation)	JPI	2012 SDM 7BF-2 RAD. COIL REPLACE RAD. SEC.	1 ST	STFA25	139.8 × 6.6
268	12 NOV.	YOKOHAMA, JAPAN (JX Nippon Oil & Energy Corporation)	JPI	2012 SDM 8DF-2 WHB REVAMP CONV. SEC.	1 ST	STB410	48.6 × 3.7
269	13 MAY	SODEGAURA, JAPAN (FUJI OIL COMPANY, LTD)	JPI	NO. 3 P/F UNIT F-43-203 REPLACE F-43-203 NO. 2 INTERHEATER COIL RAD. SEC.	1 ST	STFA26 SCMV3	114.6 × 5.7 914.4 × 21
* 270	13 MAY	YOKKAICHI, JAPAN (SHOWA YOKKAICHI SEKIYU CO., LTD)	FEI/CKS	RFCC WHB F-4101 ECONOMIZER CONV. SEC.	5 BLOCKS	STB410 STPT410	114.3 × 6.0 216.3 × 12.7
		4-C-05 23TON 4-C-04 52TON 4-C-03 51TON 4-C-02 51TON 4-C-01 52TON					
		5 BLOCKS					

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271	13 DEC.	OOITA, JAPN (JX Nippon Oil & Energy Corporation)	JPI	BTX YUNIT 1TP-H1A HOT OIL HEATER	CONV. SEC.	1 ST	STB410	139.8 × 5.5						
									RAD. SEC.	1 ST	STB410	152.4 × 5.7		
									Boiler Piping Prefab.	1 ST	STPA370S	114.3 × 6.0		
												139.8 × 6.6		
165.2 × 7.1														
216.3 × 8.2														
272	14 FEB.	OKINAWA, JAPAN (Nansei Sekiyu K. K.)	JPI	S-F-101/102/103 ATOMOS P. S FURNACE F-100's CONV. COIL REVAMP	CONV. SEC.	1 ST	STB340 A213M-T9	114.3 × 8.6						
								114.3 × 8.6						
273	14 MAR.	SENDAI, JAPAN (JX Nippon Oil & Energy Corporation)	FEI/JE ENG.	GS-FU-01 TX SPLITTER REBOILER	CONV. SEC.	1 BLOCK	STPT370 SH	165.2 × 7.1						
									FU-01 22TON FU-02 25TON	GS-FU-02 XYLENE SPLITTER REBOILER	CONV. SEC.	1 BLOCK	STPT370 SH	165.2 × 7.1
274	14 MAY	SENDAI, JAPAN (JX Nippon Oil & Energy Corporation)	FEI/CKS	RF-34-451 RF PREHEATER	RAD. SEC.	1 ST	STFA24 STPA23 STPA23	139.8 × 8.4						
								318.5 × 17.4						
								406.4 × 21.4						

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* 275	14 JUL.	CHIBA, JAPAN (Idemitsu Kosan Co., Ltd.)	FEI/MPE	PX PROJECT PX-H402 HOT OIL HEATER			
		CONV. 19TON RAD. 20TON		CONV. SEC.	1 BLOCK	STB340 STPT370	114.3 × 5.3 165.2 × 7.1
		2 BLOCKS		RAD. SEC.	1 BLOCK	STB340 STPT370	114.3 × 5.3 165.2 × 7.1
* 276	14 OCT.	KAWASAKI, JAPAN (Toa Oil Co., Ltd.)	IPEC	F-4101 WHB CONV. SEC.	2 BLOCKS	STB340 STPT370	88.9 × 4.5 165.2 × 7.1 216.3 × 8.2
		CONV. (U) 22TON CONV. (L) 25TON					
		2 BLOCKS					
277	14 OCT.	KAWASAKI, JAPAN (Tonen General Kekoyu K.K.)	JGC	3SC F-201 RESTORATION PROJECT F-201B HEATER			
				CONV. SEC.	1 ST	STBA24 SUS304HTB SUS304HTF SUS304HTF STFA24 EC HP 16Nb MOD.	76.2 × 14.0 76.2 × 14.0 101.6 × 5.7 114.3 × 5.7 114.3 × 6.0 1. D127 × 7.2
				CROSSOVER	1 ST	SUS304HTF	139.8 × 6.6
				RAD. INLET BEND. TUBE	1 ST	SUS304HTB	57.1 × 6.1
				RAD. OUTLET	1 ST	EC HP 16Nb MOD.	1. D83 × 9.5
				AIR COOLED SHIELED BEAM	1 ST	EC HP 45MOD.	217 × 19
				ACSB RIZER PIPE	1 ST	SUS304HTP SUS304HTP SUS304HTP	216.3 × 8.2 114.3 × 6.0 89.5 × 5.5
				Q1-Q2 CONN. PIPE	1 ST	SUS304HTP SUS304TPA	114.3 × 6.0 267.4 × 15.1

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278	15 MAY	KAWASAKI, JAPAN (Tonen General Kekoyu K. K)	JGC	3SC F-201 RESTORATION PROJECT F-201C HEATER	1 ST	CONV. SEC.	STBA24 76.2 × 14.0
						SUS304HTB 76.2 × 14.0	
						SUS304HTF 101.6 × 5.7	
						SUS304HTF 114.3 × 5.7	
						STFA24 114.3 × 6.0	
						EC HP 16Nb MOD 1. D127 × 7.2	
						CROSSOVER 1 ST	SUS304HTF 139.8 × 6.6
						RAD. INLET BEND. TUBE 1 ST	SUS304HTB 57.1 × 6.1
						RAD. TUBE 1 ST	EC-HP45Nb 44.0 × 5.5
							EC-HP16Nb 60.0 × 9.5
							HPM 78.7 × 9.5
AIR COOLED SHIELED BEAM 1 ST	EC HP 45MOD. 217 × 19						
ACSB RIZER PIPE 1 ST	SUS304HTP 216.3 × 8.2						
	SUS304HTP 114.3 × 6.0						
	SUS304HTP 89.5 × 5.5						
279	15 JUN.	SENDAI, JAPAN (JX Nippon Oil & Energy Corporation)	FEI/CKS	34-501 REVAMP CONV. SEC.	1 ST	STFA26 165.2 × 7.1	
* 280	15 AUG.	KAMISU, JAPAN (SAN-PETROCHEMICALS CO., LTD.)	IPEC	72FU-1101 CRACKING HEATER 22HE-1101 WHB CONV. SEC.	1 ST	STBA24 88.9 × 4.9 STPT410S 165.2 × 11.0	

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281	15 OCT.	KAWASAKI, JAPAN (Tonen General Kekoyu K. K)	JGC	3SC F-201 RESTORATION PROJECT F-201A HEATER			
				CONV. SEC.	1 ST	STBA24 SUS304HTB SUS304HTF SUS304HTF STFA24 EC HP 16Nb MOD	76.2 × 14.0 76.2 × 14.0 101.6 × 5.7 114.3 × 5.7 114.3 × 6.0 1. D127 × 7.2
				CROSSOVER	1 ST	SUS304HTF	139.8 × 6.6
				RAD. INLET BEND. TUBE	1 ST	SUS304HTB	57.1 × 6.1
				AIR COOLED SHIELED BEAM	1 ST	EC HP 45MOD.	217 × 19
				ACSB RIZER PIPE	1 ST	SUS304HTP SUS304HTP SUS304HTP	216.3 × 8.2 114.3 × 6.0 89.5 × 5.5
				Q1-Q2 CONN. PIPE	1 ST	SUS304HTP SUS304TPA	114.3 × 6.0 267.4 × 15.1
* 282	16 MAY	KAMISU, JAPAN (ASAHI GLASS CO., LTD)	FEI	SP-2305 STEAM SUPERHEATER			
				CONV. SEC.	1 ST	SUS304HTF SUS304HTP SUS304HTP KHR35CT	76.3 × 4.6 114.3 × 6.0 165.2 × 7.2 101.6 × 7.4
				RAD. SEC.	1 ST	KHR35CT	101.6 × 7.4
				SP-2105 STEAM SUPERHEATER			
				RAD. SEC.	1 ST	KHR35CT	79.4 × 5.0

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* 283	16 MAY	ICHIHARA, JAPAN (DENKA COMPANY LIMITED) CONV. (U) 34.6TON CONV. (M) 27.4TON CONV. (L) 29.8TON 3 BLOCKS	IPEC	HE-301 STEAM SUPERHEATER CONV. SEC.	1 ST	STB340 STPT410 STPT410 STPA24 SUS404HTP SB410 SUS304H	88.9 × 5.5 165.2 × 7.1 88.9 × 4.5 88.9 × 4.8 88.9 × 4.8 508.0 × 13.2 609.6 × 15.3
284	16 MAY	KAWASAKI, JAPAN (Tonen General Kekoyu K. K)	FEI/CKS	KBOB PROJECT E-320 COIL REPLACE CONV. SEC.	1 ST	SUS347HTF	165.2 × 9.4
285	16 AUG.	YOKOHAMA, JAPAN (JX Nippon Oil & Energy Corporation)	FEI/CKS	8HF-102 WASTE HEAT BOILER CONV. SEC.	1 ST	STB340 STPT370	89.1 × 4.8 216.3 × 12.7
286	16 SEP.	YOKOHAMA, JAPAN (JX Nippon Oil & Energy Corporation)	JPI	PLAT. CHARGE HEATER 7BF-4 RAD. SEC. PLAT. INTER HEATER 7BF-5 RAD. SEC.	1 ST 1 ST	STFA24 STFA24	114.3 × 6.0 139.8 × 6.6
287	16 NOV.	YOKOHAMA, JAPAN (JX Nippon Oil & Energy Corporation)	JPI	8DF-2 WASTE HEAT BOILER CONV. SEC.	1 ST	STB410	48.6 × 3.7

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288	17 JAN.	OARAI, JAPN (JAEA)	JGC	Na HEATER 410-HTR1A/410-HTR1B			
				CONV. SEC.	1 ST	SUS304HTB	101.6 × 4.5
				RAD. SEC.	1 ST	SUS316HTB	101.6 × 4.5
289	17 MAY	SODEGAURA, JAPAN (FUJI OIL COMPANY, LTD)	JPI/JGC	NO. 3 P/F UNIT F-43-201 REPLACE F-43-201 CHARGE HEATER COIL			
				RAD. SEC.	1 ST	STFA26	114.3 × 5.7
						SCMV3	914.4 × 21
290	17 JUN.	ICHIHARA, JAPAN (IDEMITSU KOSAN CO., LTD.)	JPI	BTX UNIT 2017SDM R-H101 HYDROTREATER FEED HEATER			
				CONV. SEC.	1 ST	STPA25	139.8 × 6.6