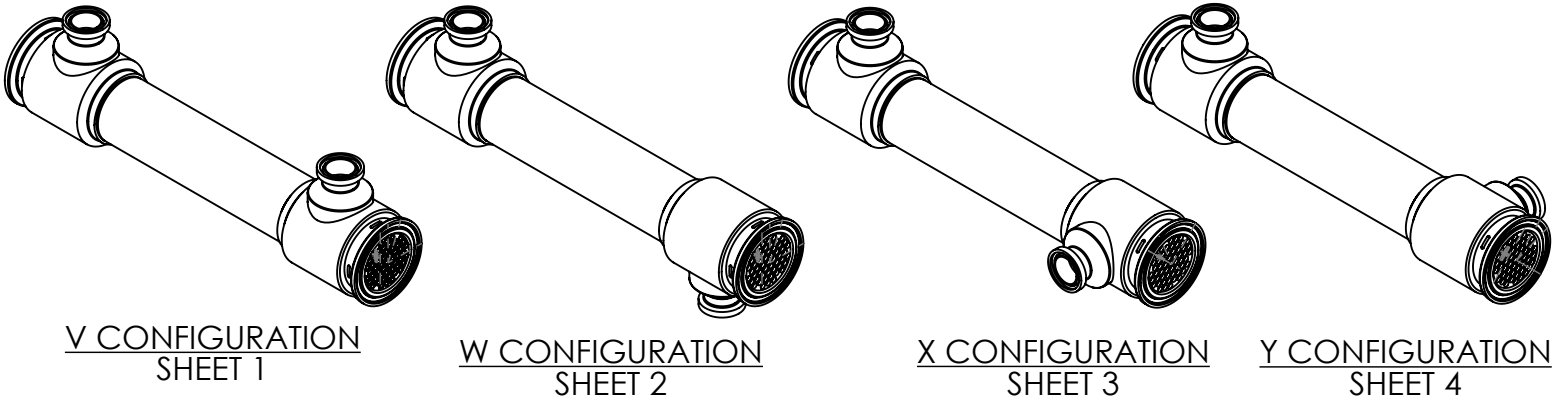
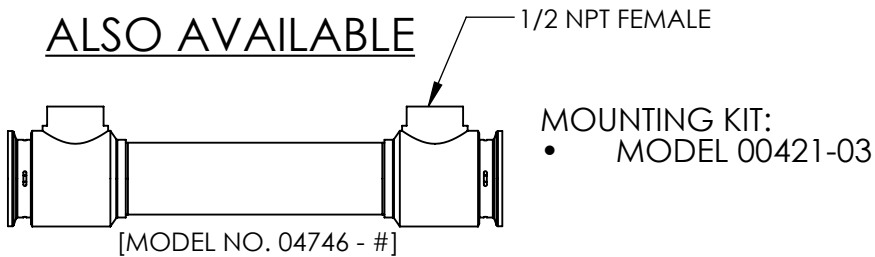
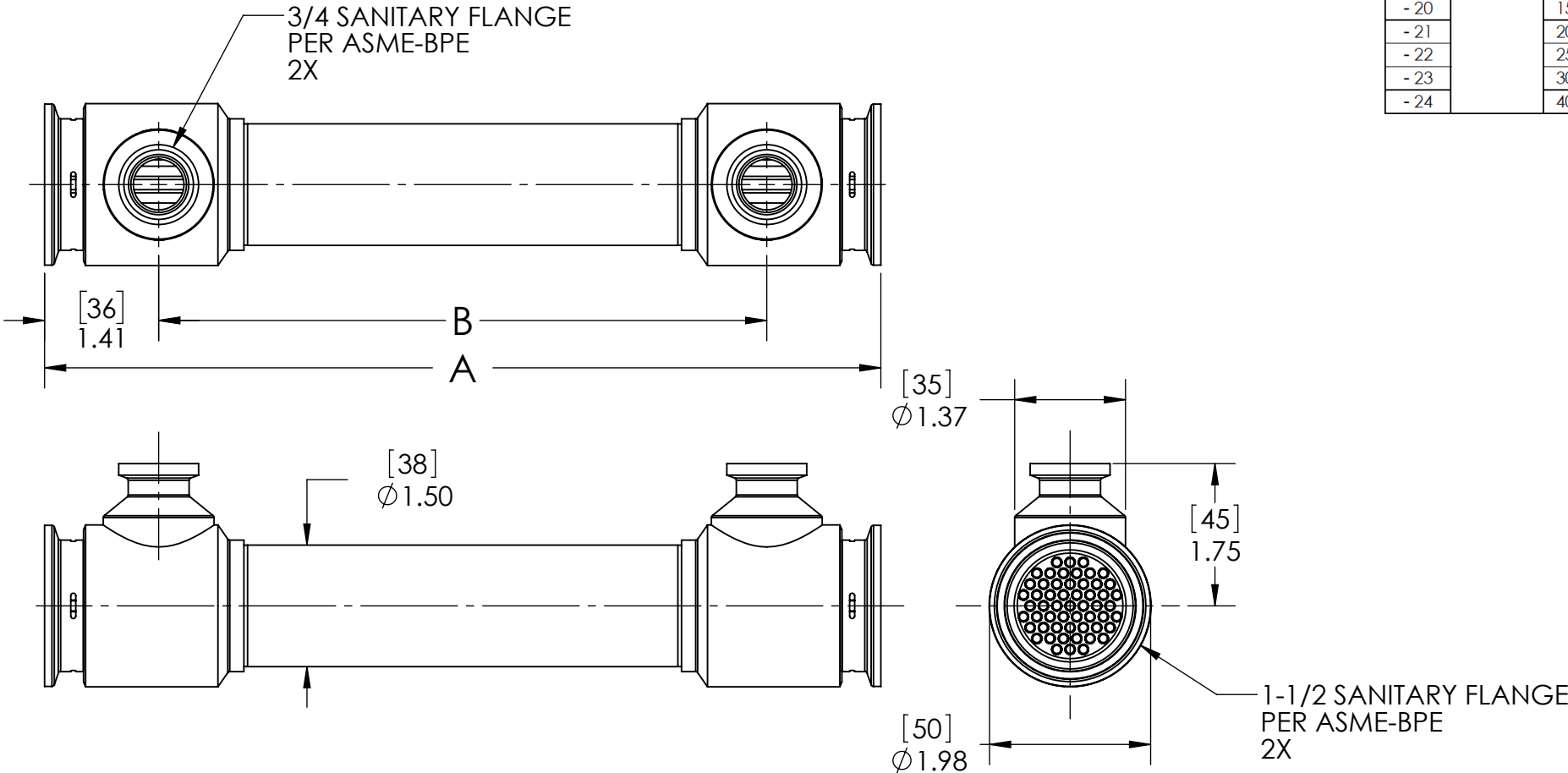


- NOTES:
- MATERIAL: 316L STAINLESS STEEL, NICKEL BRAZED.
  - PRODUCT CONTACT SURFACE FINISH CODE PER ASME-BPE:  
SF1: 20  $\mu$ in. (.5  $\mu$ m) Ra MAX  
SF4: 15  $\mu$ in. (.4  $\mu$ m) Ra MAX, ELECTROPOLISHED.
  - ALL EXTERNAL SURFACES SATIN FINISH.
  - MAXIMUM OPERATING CONDITIONS:
    - PRESSURE: TUBESIDE - 1200 psi (83 bar)  
SHELLSIDE - 800 psi (55 bar)  
(REFER TO SANITARY CLAMP MANUFACTURER FOR CLAMP PRESSURE RATING)
    - TEMPERATURE: 800°F (425°C)
    - PRESSURE FOR STEAM SERVICE: 125 psi (8.6 bar)
    - FLUID TEMPERATURE DIFFERENCE:  
(T<sub>HOT</sub>)<sub>AVE</sub> - (T<sub>COLD</sub>)<sub>AVE</sub> ≤125°F (70°C)
  - FULLY DRAINABLE ON TUBESIDE.
  - MATERIAL AND PROCESS CERTIFICATIONS PROVIDED.

- #	TUBE COUNT	TUBE LENGTH		PRODUCT CONTACT SURFACE FINISH (NOTE 2)	CONFIG.	DIMA		DIMB		WEIGHT EMPTY		TRANSFER AREA	
		in	mm			in	mm	lb	kg	ft²	m²		
- 01	55	10.00	254	SF4	V	10.30	262	7.50	191	3.19	1.4	1.33	0.12
- 02		15.00	381			15.30	389	12.50	318	4.59	2.1	2.08	0.19
- 03		20.00	508			20.30	516	17.50	445	5.54	2.5	2.83	0.26
- 04		25.00	635			25.30	643	22.50	572	6.30	2.9	3.58	0.33
- 05		30.00	762			30.30	770	27.50	699	7.09	3.2	4.33	0.40
- 06		40.00	1016			40.30	1024	37.50	953	7.84	3.6	5.83	0.54
- 07		10.00	254	SF1		10.30	262	7.50	191	3.19	1.4	1.33	0.12
- 08		15.00	381			15.30	389	12.50	318	4.59	2.1	2.08	0.19
- 09		20.00	508			20.30	516	17.50	445	5.54	2.5	2.83	0.26
- 10		25.00	635			25.30	643	22.50	572	6.30	2.9	3.58	0.33
- 11		30.00	762			30.30	770	27.50	699	7.09	3.2	4.33	0.40
- 12		40.00	1016			40.30	1024	37.50	953	7.84	3.6	5.83	0.54
- 13	91	10.00	254	SF4		10.30	262	7.50	191	3.19	1.4	1.66	0.15
- 14		15.00	381			15.30	389	12.50	318	4.59	2.1	2.59	0.24
- 15		20.00	508			20.30	516	17.50	445	5.54	2.5	3.53	0.33
- 16		25.00	635			25.30	643	22.50	572	6.30	2.9	4.46	0.41
- 17		30.00	762			30.30	770	27.50	699	7.09	3.2	5.39	0.50
- 18		40.00	1016			40.30	1024	37.50	953	7.82	3.5	7.26	0.67
- 19		10.00	254	SF1		10.30	262	7.50	191	3.19	1.4	1.66	0.15
- 20		15.00	381			15.30	389	12.50	318	4.59	2.1	2.59	0.24
- 21		20.00	508			20.30	516	17.50	445	5.54	2.5	3.53	0.33
- 22		25.00	635			25.30	643	22.50	572	6.30	2.9	4.46	0.41
- 23		30.00	762			30.30	770	27.50	699	7.09	3.2	5.39	0.50
- 24		40.00	1016			40.30	1024	37.50	953	7.82	3.5	7.26	0.67

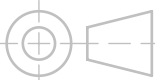


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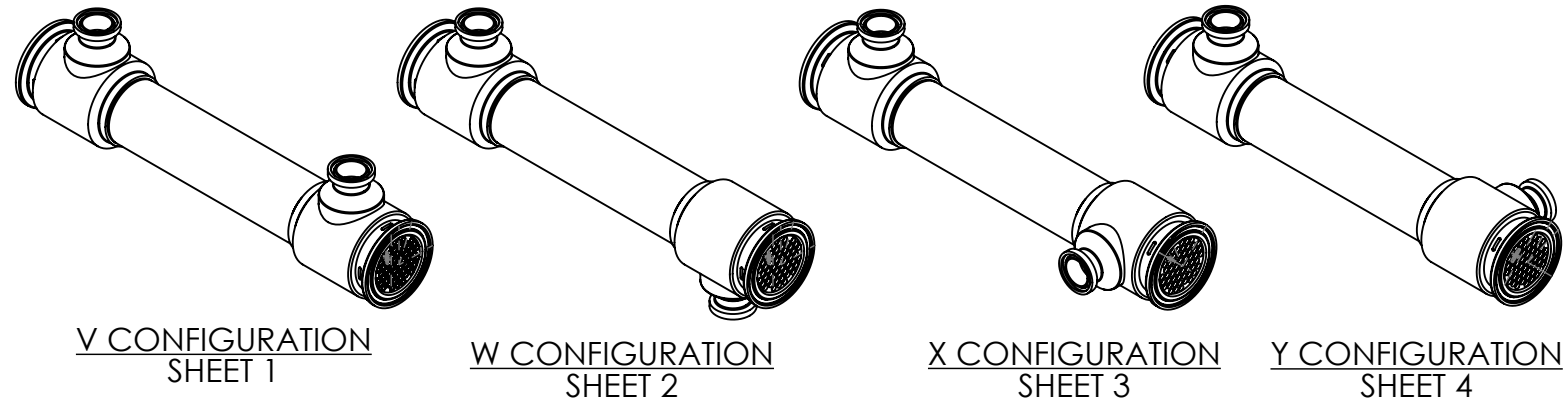
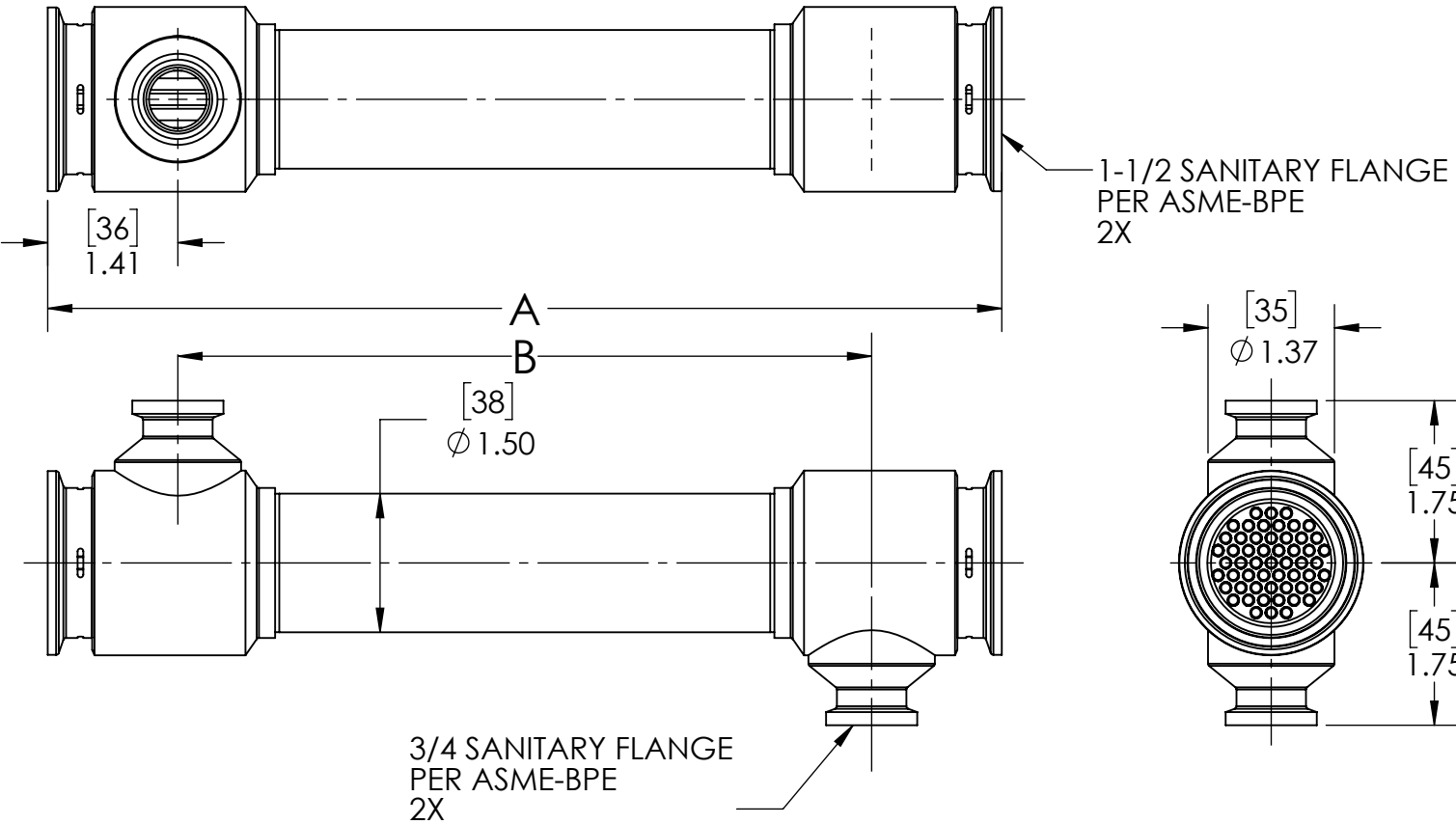
MODEL NO. 04745- #

DATE 4/6/2023 SCALE 1:2 SHEET 1 OF 4

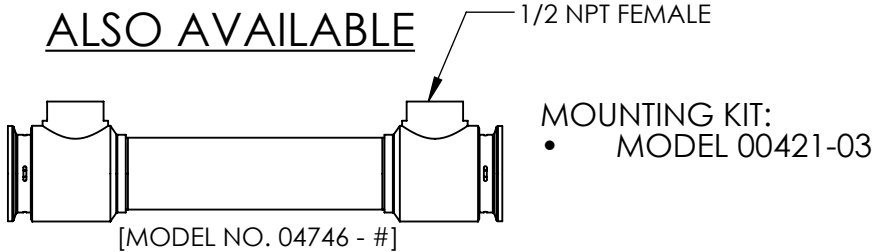
MODEL NO.

04745- #

- NOTES:
- MATERIAL: 316L STAINLESS STEEL, NICKEL BRAZED.
  - PRODUCT CONTACT SURFACE FINISH CODE PER ASME-BPE:  
SF1: 20 µin. (.5 µm) Ra MAX  
SF4: 15 µin. (.4 µm) Ra MAX, ELECTROPOLISHED.
  - ALL EXTERNAL SURFACES SATIN FINISH.
  - MAXIMUM OPERATING CONDITIONS:
    - PRESSURE: TUBESIDE - 1200 psi (83 bar)  
SHELLSIDE - 800 psi (55 bar)  
(REFER TO SANITARY CLAMP MANUFACTURER FOR CLAMP PRESSURE RATING)
    - TEMPERATURE: 800°F (425°C)
    - PRESSURE FOR STEAM SERVICE: 125 psi (8.6 bar)
    - FLUID TEMPERATURE DIFFERENCE:  
 $(T_{HOT})_{AVE} - (T_{COLD})_{AVE} \leq 125^{\circ}F (70^{\circ}C)$
  - FULLY DRAINABLE ON TUBESIDE.
  - MATERIAL AND PROCESS CERTIFICATIONS PROVIDED.



- #	TUBE COUNT	TUBE LENGTH		PRODUCT CONTACT SURFACE FINISH (NOTE 2)	CONFIG.	DIM A		DIM B		WEIGHT EMPTY		TRANSFER AREA	
		in	mm			in	mm	lb	kg	ft²	m²		
-25	55	10.00	254	SF4	W	10.30	262	7.50	191	3.19	1.4	1.33	0.12
-26		15.00	381			15.30	389	12.50	318	4.59	2.1	2.08	0.19
-27		20.00	508			20.30	516	17.50	445	5.54	2.5	2.83	0.26
-28		25.00	635			25.30	643	22.50	572	6.30	2.9	3.58	0.33
-29		30.00	762			30.30	770	27.50	699	7.09	3.2	4.33	0.40
-30		40.00	1016			40.30	1024	37.50	953	7.84	3.6	5.83	0.54
-31		10.00	254			10.30	262	7.50	191	3.19	1.4	1.33	0.12
-32		15.00	381			15.30	389	12.50	318	4.59	2.1	2.08	0.19
-33		20.00	508			20.30	516	17.50	445	5.54	2.5	2.83	0.26
-34		25.00	635			25.30	643	22.50	572	6.30	2.9	3.58	0.33
-35	30.00	762	30.30	770		27.50	699	7.09	3.2	4.33	0.40		
-36	40.00	1016	40.30	1024		37.50	953	7.84	3.6	5.83	0.54		
-37	91	10.00	254	SF4		10.30	262	7.50	191	3.19	1.4	1.66	0.15
-38		15.00	381			15.30	389	12.50	318	4.59	2.1	2.59	0.24
-39		20.00	508			20.30	516	17.50	445	5.54	2.5	3.53	0.33
-40		25.00	635			25.30	643	22.50	572	6.30	2.9	4.46	0.41
-41		30.00	762			30.30	770	27.50	699	7.09	3.2	5.39	0.50
-42		40.00	1016			40.30	1024	37.50	953	7.82	3.5	7.26	0.67
-43		10.00	254			10.30	262	7.50	191	3.19	1.4	1.66	0.15
-44		15.00	381			15.30	389	12.50	318	4.59	2.1	2.59	0.24
-45		20.00	508			20.30	516	17.50	445	5.54	2.5	3.53	0.33
-46		25.00	635			25.30	643	22.50	572	6.30	2.9	4.46	0.41
-47	30.00	762	30.30	770		27.50	699	7.09	3.2	5.39	0.50		
-48	40.00	1016	40.30	1024		37.50	953	7.82	3.5	7.26	0.67		



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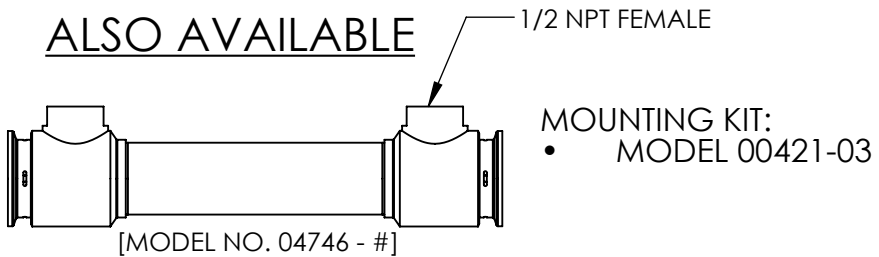
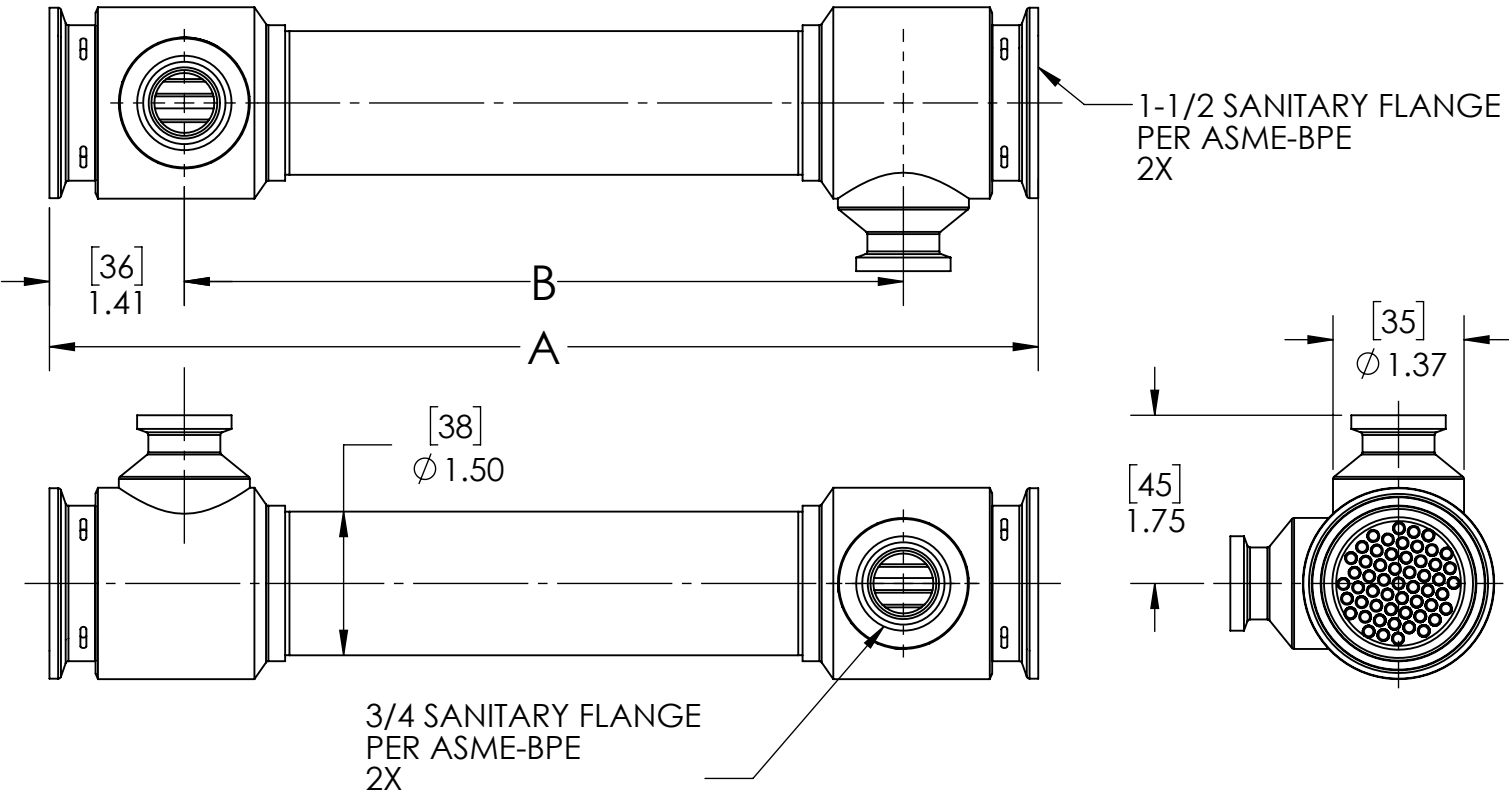
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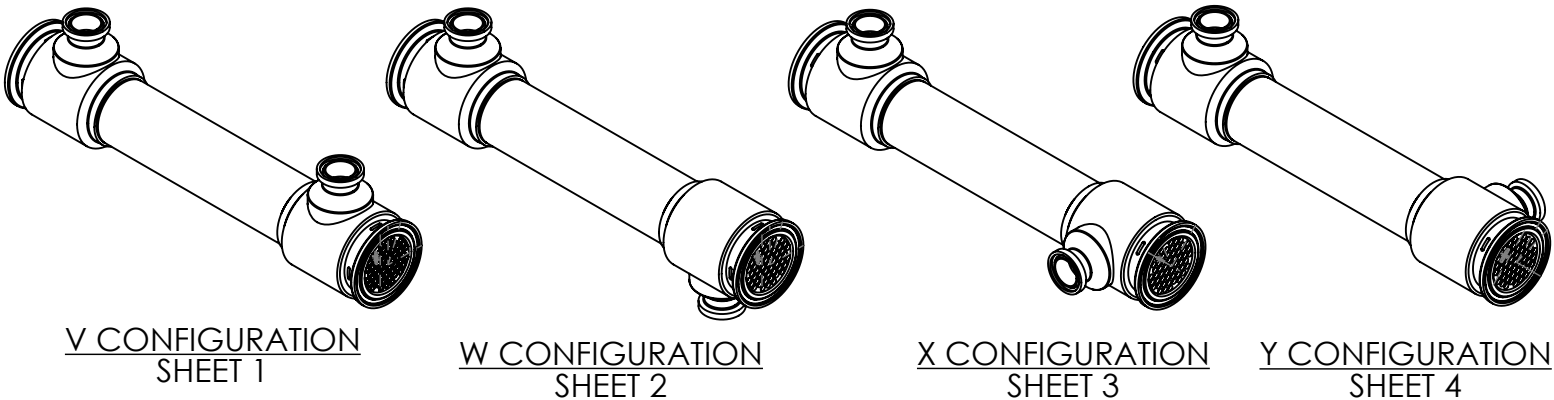
MODEL NO. **04745- #**

DATE **4/6/2023** SCALE **1:2** SHEET **2 OF 4**

- NOTES:
- MATERIAL: 316L STAINLESS STEEL, NICKEL BRAZED.
  - PRODUCT CONTACT SURFACE FINISH CODE PER ASME-BPE:  
SF1: 20 µin. (.5 µm) Ra MAX  
SF4: 15 µin. (.4 µm) Ra MAX, ELECTROPOLISHED.
  - ALL EXTERNAL SURFACES SATIN FINISH.
  - MAXIMUM OPERATING CONDITIONS:
    - PRESSURE: TUBESIDE - 1200 psi (83 bar)  
SHELLSIDE - 800 psi (55 bar)  
(REFER TO SANITARY CLAMP MANUFACTURER FOR CLAMP PRESSURE RATING)
    - TEMPERATURE: 800°F (425°C)
    - PRESSURE FOR STEAM SERVICE: 125 psi (8.6 bar)
    - FLUID TEMPERATURE DIFFERENCE:  
 $(T_{HOT})_{AVE} - (T_{COLD})_{AVE} \leq 125^{\circ}F (70^{\circ}C)$
  - FULLY DRAINABLE ON TUBESIDE.
  - MATERIAL AND PROCESS CERTIFICATIONS PROVIDED.



- #	TUBE COUNT	TUBE LENGTH		PRODUCT CONTACT SURFACE FINISH (NOTE 2)	CONFIG.	DIM A		DIM B		WEIGHT EMPTY		TRANSFER AREA	
		in	mm			in	mm	lb	kg	ft²	m²		
-49	55	10.00	254	SF4	X	10.30	262	7.50	191	3.19	1.4	1.33	0.12
-50		15.00	381			15.30	389	12.50	318	4.59	2.1	2.08	0.19
-51		20.00	508			20.30	516	17.50	445	5.54	2.5	2.83	0.26
-52		25.00	635			25.30	643	22.50	572	6.30	2.9	3.58	0.33
-53		30.00	762			30.30	770	27.50	699	7.09	3.2	4.33	0.40
-54		40.00	1016	40.30		1024	37.50	953	7.84	3.6	5.83	0.54	
-55		10.00	254	10.30		262	7.50	191	3.19	1.4	1.33	0.12	
-56		15.00	381	15.30		389	12.50	318	4.59	2.1	2.08	0.19	
-57		20.00	508	20.30		516	17.50	445	5.54	2.5	2.83	0.26	
-58		25.00	635	25.30		643	22.50	572	6.30	2.9	3.58	0.33	
-59	30.00	762	30.30	770		27.50	699	7.09	3.2	4.33	0.40		
-60	40.00	1016	40.30	1024		37.50	953	7.84	3.6	5.83	0.54		
-61	91	10.00	254	SF4		10.30	262	7.50	191	3.19	1.4	1.66	0.15
-62		15.00	381			15.30	389	12.50	318	4.59	2.1	2.59	0.24
-63		20.00	508			20.30	516	17.50	445	5.54	2.5	3.53	0.33
-64		25.00	635			25.30	643	22.50	572	6.30	2.9	4.46	0.41
-65		30.00	762			30.30	770	27.50	699	7.09	3.2	5.39	0.50
-66		40.00	1016	40.30		1024	37.50	953	7.82	3.5	7.26	0.67	
-67		10.00	254	10.30		262	7.50	191	3.19	1.4	1.66	0.15	
-68		15.00	381	15.30		389	12.50	318	4.59	2.1	2.59	0.24	
-69		20.00	508	20.30		516	17.50	445	5.54	2.5	3.53	0.33	
-70		25.00	635	25.30		643	22.50	572	6.30	2.9	4.46	0.41	
-71		30.00	762	30.30		770	27.50	699	7.09	3.2	5.39	0.50	
-72		40.00	1016	40.30		1024	37.50	953	7.82	3.5	7.26	0.67	



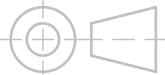
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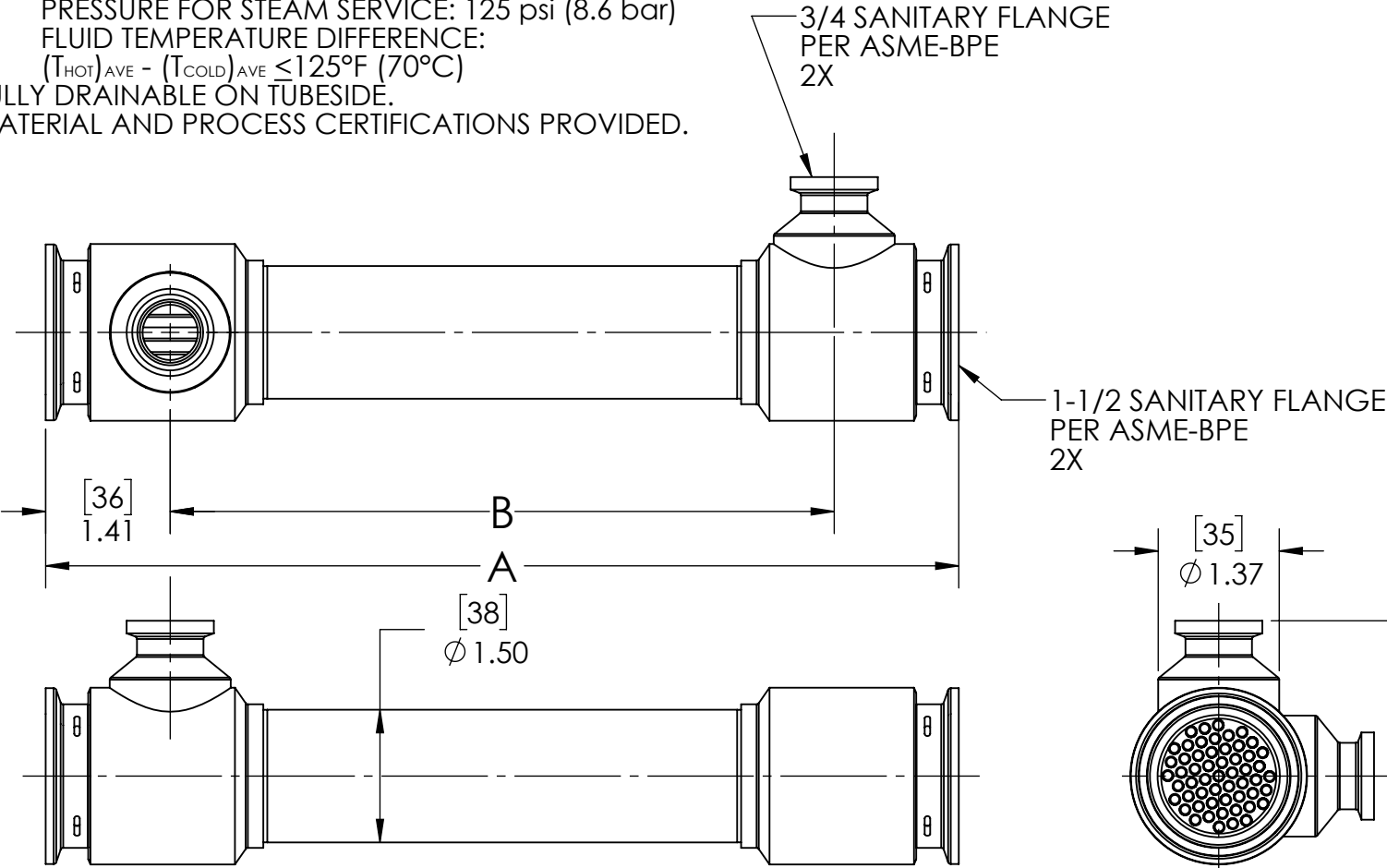
MODEL NO. **04745- #**

DATE **4/6/2023** SCALE **1:2** SHEET **3 OF 4**

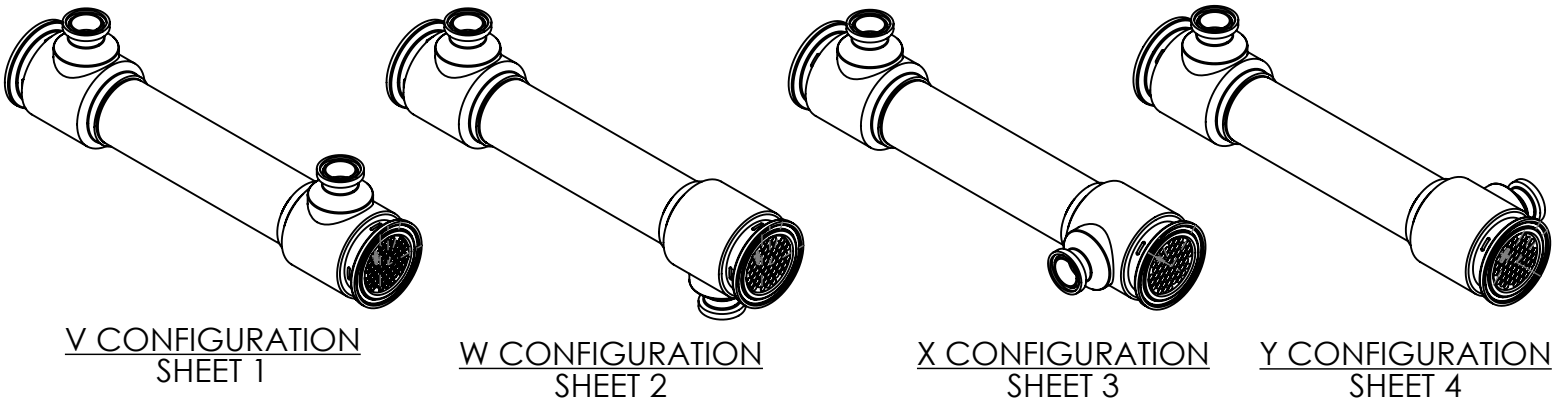
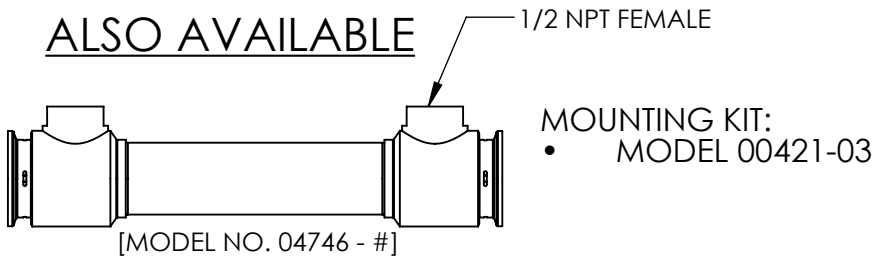
MODEL NO.  
**04745- #**



- NOTES:
- MATERIAL: 316L STAINLESS STEEL, NICKEL BRAZED.
  - PRODUCT CONTACT SURFACE FINISH CODE PER ASME-BPE:  
SF1: 20  $\mu$ in. (.5  $\mu$ m) Ra MAX  
SF4: 15  $\mu$ in. (.4  $\mu$ m) Ra MAX, ELECTROPOLISHED.
  - ALL EXTERNAL SURFACES SATIN FINISH.
  - MAXIMUM OPERATING CONDITIONS:
    - PRESSURE: TUBESIDE - 1200 psi (83 bar)  
SHELLSIDE - 800 psi (55 bar)  
(REFER TO SANITARY CLAMP MANUFACTURER FOR CLAMP PRESSURE RATING)
    - TEMPERATURE: 800°F (425°C)
    - PRESSURE FOR STEAM SERVICE: 125 psi (8.6 bar)
    - FLUID TEMPERATURE DIFFERENCE:  
 $(T_{HOT})_{AVE} - (T_{COLD})_{AVE} \leq 125^{\circ}F (70^{\circ}C)$
  - FULLY DRAINABLE ON TUBESIDE.
  - MATERIAL AND PROCESS CERTIFICATIONS PROVIDED.



- #	TUBE COUNT	TUBE LENGTH		PRODUCT CONTACT SURFACE FINISH (NOTE 2)	CONFIG.	DIM A		DIM B		WEIGHT EMPTY		TRANSFER AREA	
		in	mm			in	mm	lb	kg	ft²	m²		
-73	55	10.00	254	SF4	Y	10.30	262	7.50	191	3.19	1.4	1.33	0.12
-74		15.00	381			15.30	389	12.50	318	4.59	2.1	2.08	0.19
-75		20.00	508			20.30	516	17.50	445	5.54	2.5	2.83	0.26
-76		25.00	635			25.30	643	22.50	572	6.30	2.9	3.58	0.33
-77		30.00	762			30.30	770	27.50	699	7.09	3.2	4.33	0.40
-78		40.00	1016			40.30	1024	37.50	953	7.84	3.6	5.83	0.54
-79		10.00	254			10.30	262	7.50	191	3.19	1.4	1.33	0.12
-80		15.00	381			15.30	389	12.50	318	4.59	2.1	2.08	0.19
-81		20.00	508			20.30	516	17.50	445	5.54	2.5	2.83	0.26
-82		25.00	635			25.30	643	22.50	572	6.30	2.9	3.58	0.33
-83	30.00	762	30.30	770		27.50	699	7.09	3.2	4.33	0.40		
-84	40.00	1016	40.30	1024		37.50	953	7.84	3.6	5.83	0.54		
-85	91	10.00	254	SF4		10.30	262	7.50	191	3.19	1.4	1.66	0.15
-86		15.00	381			15.30	389	12.50	318	4.59	2.1	2.59	0.24
-87		20.00	508			20.30	516	17.50	445	5.54	2.5	3.53	0.33
-88		25.00	635			25.30	643	22.50	572	6.30	2.9	4.46	0.41
-89		30.00	762			30.30	770	27.50	699	7.09	3.2	5.39	0.50
-90		40.00	1016			40.30	1024	37.50	953	7.82	3.5	7.26	0.67
-91		10.00	254			10.30	262	7.50	191	3.19	1.4	1.66	0.15
-92		15.00	381			15.30	389	12.50	318	4.59	2.1	2.59	0.24
-93		20.00	508			20.30	516	17.50	445	5.54	2.5	3.53	0.33
-94		25.00	635			25.30	643	22.50	572	6.30	2.9	4.46	0.41
-95	30.00	762	30.30	770		27.50	699	7.09	3.2	5.39	0.50		
-96	40.00	1016	40.30	1024		37.50	953	7.82	3.5	7.26	0.67		

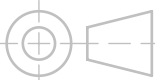


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