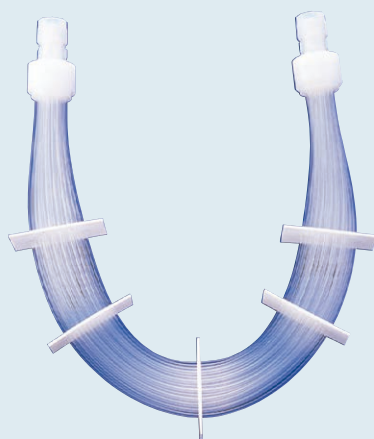


PILAFLOTM HEMTM series, HEMTW series Multitube Heat Exchanger

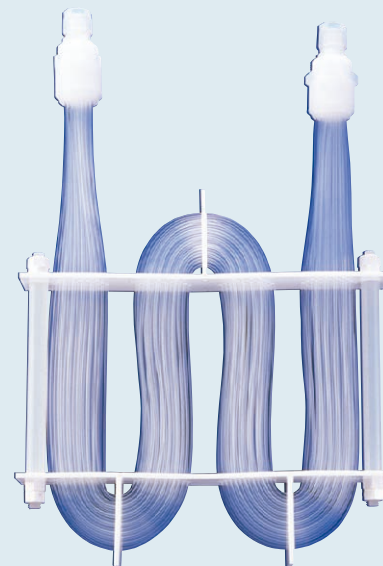
PILLAR

Providing high thermal efficiency and contributing to cleanliness



Module type

Model: HEMTM



W type

Model: HEMTW



■ Features

Excellent chemical resistance and non-adhesiveness

This product consists of fluorocarbon polymers and is therefore long-lasting and resistant to most liquid chemicals. It also features superior non-adhesiveness, which means that almost no staining or scaling occurs on this product and high thermal efficiency can be maintained. Moreover, cleaning is easy.

No dissolution occurs and high cleanliness can be maintained

The connector is all made of fluorocarbon polymers by means of fusion bonding. The seal part uses no O-rings. With no impurities caused by O-rings, this product is best suited for the manufacturing of high-purity products such as printed circuit boards and semiconductors.

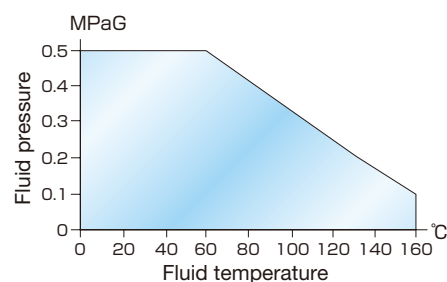


Enlarged view of the connector

Specifications

- ▶ Maximum operating temperature: 160°C
- ▶ Maximum operating pressure: 0.5 MPaG
- ▶ Overall heat transfer coefficient: 300 to 750 kJ/m²hr°C
- ▶ Heat exchanger connector: Super 300 Type Pillar FittingTM

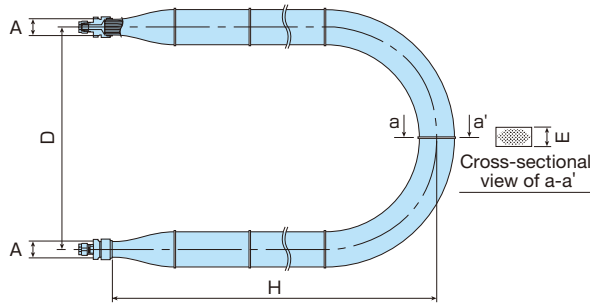
■ Operating range



Multitube Heat Exchanger

Module type

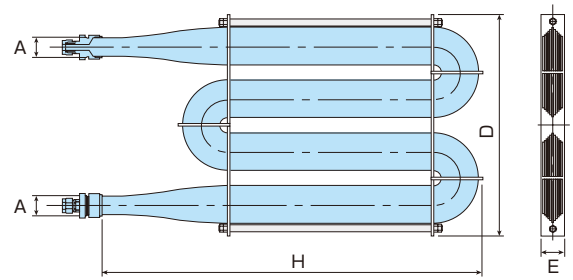
Model: HEMTM



Multiple tubes are divided into blocks by using spacers to prevent tube overlap wherever possible and improve thermal efficiency.

W type

Model: HEMTW



A tube is bent to form a W shape to secure a large heat transfer area even in a narrow space. This is suitable for places with limited installation space.

Number of tubes	Product No.	Tube connection diameter mm		Mounting panel size		Heat transfer area m ²	Effective length mm	Mounting width D mm	Height H mm	Thickness E mm				
		Hole diameter A mm	Maximum thickness mm	Hole diameter A mm	Maximum thickness mm									
37	HEMTM 37-04A-P12	12×10		41	10	0.4	1340	200-600	556	50				
	HEMTM 37-04A-PW4	12.7×9.5												
	HEMTM 37-07A-P12	12×10												
	HEMTM 37-07A-PW4	12.7×9.5												
	HEMTM 37-10A-P12	12×10												
	HEMTM 37-10A-PW4	12.7×9.5												
91	HEMTM 91-10A-P19	19×15.8 (Note)	56	10	1.0	1368	200-600	570	60	50				
	HEMTM 91-10A-PW6													
	HEMTM 91-15A-P19										1.5	1915	400-800	787
	HEMTM 91-15A-PW6													
	HEMTM 91-20A-P19										2.0	2462	500-900	1032
	HEMTM 91-20A-PW6													
	HEMTM 91-25A-P19										2.5	3009	600-1000	1277
	HEMTM 91-25A-PW6													
	HEMTM 91-30A-P19										3.0	3556	700-1100	1522
	HEMTM 91-30A-PW6													
	HEMTM 91-35A-P19										3.5	4103	800-1200	1767
	HEMTM 91-35A-PW6													
HEMTM 91-40A-P19	4.0	4650	800-1200	2040										
HEMTM 91-40A-PW6														
169	HEMTM 169-25A-P25	25×22	59	10	2.5	1700	400-800	679	70	50				
	HEMTM 169-25A-PW8	25.4×22.2												
	HEMTM 169-30A-P25	25×22									3.0	1994	500-900	797
	HEMTM 169-30A-PW8	25.4×22.2												
	HEMTM 169-35A-P25	25×22									3.5	2289	500-900	945
	HEMTM 169-35A-PW8	25.4×22.2												
	HEMTM 169-40A-P25	25×22									4.0	2583	600-1000	1063
	HEMTM 169-40A-PW8	25.4×22.2												
	HEMTM 169-50A-P25	25×22									5.0	3172	700-1100	1329
	HEMTM 169-50A-PW8	25.4×22.2												
	HEMTM 169-60A-P25	25×22									6.0	3761	800-1200	1595
	HEMTM 169-60A-PW8	25.4×22.2												
	HEMTM 169-70A-P25	25×22									7.0	4350	800-1200	1890
	HEMTM 169-70A-PW8	25.4×22.2												
	HEMTM 169-80A-P25	25×22									8.0	4939	800-1200	2184
	HEMTM 169-80A-PW8	25.4×22.2												

Note: HEMT* 91-***A-P19 = HEMT* 91-***A-PW6

Product No.	Tube connection diameter mm		Mounting panel size		Heat transfer area m ²	Effective length mm	Mounting width D mm	Height H mm	Thickness E mm			
	Hole diameter A mm	Maximum thickness mm	Hole diameter A mm	Maximum thickness mm								
HEMTW 37-04A-P12	12×10		41	10	0.4	1375	340	580	50			
HEMTW 37-04A-PW4	12.7×9.5											
HEMTW 37-07A-P12	12×10											
HEMTW 37-07A-PW4	12.7×9.5											
HEMTW 37-10A-P12	12×10											
HEMTW 37-10A-PW4	12.7×9.5											
HEMTW 91-15A-P19	19×15.8 (Note)	56	10	1.5	1915	570	618	60	50			
HEMTW 91-15A-PW6												
HEMTW 91-20A-P19										2.0	2462	755
HEMTW 91-20A-PW6												
HEMTW 91-25A-P19										2.5	3009	891
HEMTW 91-25A-PW6												
HEMTW 91-30A-P19										3.0	3556	1028
HEMTW 91-30A-PW6												
HEMTW 91-35A-P19										3.5	4103	1165
HEMTW 91-35A-PW6												
HEMTW 91-40A-P19										4.0	4650	1302
HEMTW 91-40A-PW6												
HEMTW 169-25A-P25	25×22	59	10	2.5	1700	650	533	70	50			
HEMTW 169-25A-PW8	25.4×22.2											
HEMTW 169-30A-P25	25×22									3.0	1994	607
HEMTW 169-30A-PW8	25.4×22.2											
HEMTW 169-35A-P25	25×22									3.5	2289	681
HEMTW 169-35A-PW8	25.4×22.2											
HEMTW 169-40A-P25	25×22									4.0	2583	754
HEMTW 169-40A-PW8	25.4×22.2											
HEMTW 169-50A-P25	25×22									5.0	3172	901
HEMTW 169-50A-PW8	25.4×22.2											
HEMTW 169-60A-P25	25×22									6.0	3761	1049
HEMTW 169-60A-PW8	25.4×22.2											
HEMTW 169-70A-P25	25×22									7.0	4350	1196
HEMTW 169-70A-PW8	25.4×22.2											
HEMTW 169-80A-P25	25×22									8.0	4939	1343
HEMTW 169-80A-PW8	25.4×22.2											

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Safety precaution

- When using this product, please use correctly and pay sufficient attention to safety.

* Please understand that this catalog may change without prior notice.
* The values shown on this catalog are reference values, not guaranteed values.