

AFS PLUS



ADVANCED HEATING SOLUTIONS

The widest range of
off-the-shelf cartridge heaters

AFS PLUS

AFS PLUS is the complete line of HT's heaters Always Ready From Stock.

In HT's AFS PLUS LINE you can find standard or thermocouple-fitted heaters suitable for a great number of industrial applications both for replacements in existing machines and for new plants.

All AFS PLUS products are manufactured in the high-temperature version and vary considerably in forms, fixing means, types of sleeves, construction, and dimensions which can be both metric and imperial.



GENERAL TECHNICAL FEATURES

AFS PLUS	CARTRIDGE HEATERS WITH AND WITHOUT TYPE "J" THERMOCOUPLE							
AVAILABLE DIAMETERS	mm	6,50	8,00	10,00	12,50	16,00	20,00	
	inches	1/4"	3/8"	1/2"	5/8"			
AVAILABLE LENGTHS	mm						Min. 25 ÷ max 400	
	inches						Min. 1" ÷ max 12"	
STANDARD LEADS LENGTHS	mm						1000 +/- 10	
	inches						39,37" +/- 0,39"	

RANGE OF LOADINGS: W50 ÷ W2500 - **VOLTAGE** V230 - **TOLERANCE ON DIA.:** -0.02 / -0.07

TOLERANCE ON LENGTH: up to 100 mm +/-2 mm; above 100 mm +1/-3%

TOLERANCE ON WATTAGE: +5/-10%

ALL THE ITEMS IN THE AFS PLUS RANGE CAN BE SHIPPED WITHIN 10 WORKING DAYS FROM ORDER RECEIPT.

AFS PLUS Line selection tables

The following tables show the standard dimensions of the AFS PLUS heaters always available from stock. They are binding for each of the different versions of this line of products.

AFSPPLUS LINE HIGH TEMPERATURE CARTRIDGE HEATERS HT/YT 95-96000 SERIES

D (mm)	L (mm)	W	NO.	D (mm)	L (mm)	W	NO.	D (mm)	L (mm)	W	NO.
6,5	25	100	HT96067	6,5	160	450	HT96082	10	30	100	HT96110
		125	HT96068			500	HT96083			125	HT96111
		150	HT96069							150	HT96112
		175	HT96070							175	HT96113
	30	100	HT96071			200	HT96114				
		125	HT96072	30	100	HT96084	100		HT95026		
		150	HT96073		125	HT96085	125		HT95027		
		175	HT96074		150	HT96086	40		160	HT95687	
		200	HT96075		175	HT96087			200	HT95028	
		40	100		HT95251	200			HT96088	250	HT95029
	125		HT95252		250	HT95001			320	HT95030	
	160		HT95662	40	100	HT96089			100	HT95031	
	180		HT95663	125	HT96089	160			HT95032		
	200		HT95254	140	HT95673	200	HT95033				
	250		HT96076	160	HT95002	250	HT95034				
	50		100	HT95255	200	HT95003	50		320	HT95030	
			125	HT95664	250	HT95004			100	HT95031	
		160	HT95256	40	125	HT95005			160	HT95032	
		200	HT95257	50	160	HT95674			200	HT95033	
		250	HT95258	200	HT95006	250			HT95034		
		60	125	HT95259	250	HT95007			60	320	HT95688
			160	HT95260	320	HT95008				400	HT95035
			180	HT95665	400	HT95009				125	HT95689
	200		HT95261	60	125	HT95009	160			HT95036	
	250		HT95262	80	160	HT95675	200			HT95690	
	320		HT95666	100	200	HT95010	250			HT95038	
	80		125	HT95263	8	250	HT95011			320	HT95039
			160	HT95667	60	280	HT95676			400	HT95040
		180	HT95264	80	320	HT95012	500		HT95041		
		200	HT95265	80	400	HT95677	160		HT95042		
		250	HT95266	80	160	HT95678	200		HT95691		
		320	HT95267	80	200	HT95014	250		HT95043		
		350	HT96077	80	250	HT95015	320		HT95044		
		100	125	HT95268	80	280	HT95679		400	HT95045	
	160		HT95668	80	320	HT95680	500		HT95046		
	200		HT95269	100	400	HT95017	650		HT95047		
	250		HT95270	100	400	HT96090	150		HT96115		
	320		HT95669	100	160	HT95681	200		HT95048		
	350		HT95271	100	200	HT95018	250		HT95049		
	400		HT95670	100	250	HT95019	350		HT95051		
	130		150	HT96078	100	280	HT95682		400	HT95052	
		200	HT96079	130	320	HT95020	500		HT95053		
		250	HT95272	130	400	HT95021	650		HT95054		
		300	HT95671	130	200	HT95683	850		HT95692		
		350	HT95672	130	250	HT95022	250		HT96116		
		400	HT95273	130	320	HT95023	320		HT95055		
		160	200	HT96080	160	400	HT95684		400	HT95056	
			250	HT96081	160	250	HT95685		500	HT95057	
300	HT95274		160	320	HT95686	650	HT95058				
350	HT95275		160	450	HT95025	800	HT95059				
400	HT95276		160	500	HT96091	400	HT95060				
			160	600	HT96092	500	HT95693				
						650	HT95061				
						800	HT95694				
						400	HT95062				
						500	HT95695				

AFS PLUS Line selection tables

D (mm)	L (mm)	W	NO.
10	200	650	HT95063
		800	HT95696
		1000	HT96117
	250	500	HT95697
		650	HT95698
		800	HT95699
1000		HT95700	

12,5	40	125	HT95701
		160	HT95702
		200	HT95703
		250	HT95064
		320	HT95704
		400	HT95066
	50	500	HT96118
		160	HT95067
		200	HT95068
		250	HT95705
		320	HT95706
		400	HT95071
		500	HT95707
		600	HT96119
	60	160	HT95708
		200	HT95072
		250	HT95073
		320	HT95709
		400	HT95076
		500	HT95077
	80	600	HT96120
		160	HT95710
		200	HT95711
		250	HT95078
		320	HT95712
		400	HT95081
		500	HT95082
		650	HT95713
		800	HT95084
		250	HT95714
		320	HT95715
		400	HT95085
	100	500	HT95086
		650	HT95087
		800	HT95088
		1000	HT95089
		250	HT96121
		320	HT95716
	130	400	HT95090
		500	HT95091
		650	HT95092
		800	HT95093
1000		HT95431	

D (mm)	L (mm)	W	NO.
12,5	130	1250	HT96122
		500	HT95095
		650	HT95096
	160	800	HT95097
		1000	HT95718
		1300	HT95098
		600	HT96123
	180	750	HT96124
		1.000	HT96125
		1.300	HT96126
	200	650	HT95719
		800	HT95720
		1000	HT95100
		1250	HT96127
		1500	HT95721
		800	HT95101
	250	1000	HT95722
		1250	HT96128
		1500	HT95102
		2000	HT96129
		2500	HT96130
		600	HT96131
	300	800	HT95723
		1000	HT95103
		1300	HT96132
		1600	HT95104
		2000	HT96133
		2500	HT96134

16	40	200	HT95724
		250	HT95107
		320	HT95725
	50	400	HT95108
		500	HT95726
		200	HT95727
		250	HT95110
		320	HT95728
		400	HT95111
	60	500	HT95729
		650	HT95730
		200	HT95112
		250	HT95731
		320	HT95732
		400	HT95114
	80	500	HT95733
		650	HT95115
		250	HT95734
		320	HT95735
		400	HT95116
		500	HT95117
	650	HT95118	

D (mm)	L (mm)	W	NO.
16	80	800	HT95119
		1000	HT95736
		320	HT95737
	100	400	HT95120
		500	HT95121
		650	HT95122
		800	HT95123
		1000	HT95124
		1250	HT95125
	130	400	HT95738
		500	HT95126
		650	HT95127
		800	HT95128
		1000	HT95129
		1250	HT95739
	160	500	HT95740
		650	HT95741
		800	HT95742
		1000	HT95743
		1250	HT95744
		1600	HT95745
	180	800	HT96165
		1000	HT96166
		1250	HT96167
		1600	HT96168
		500	HT95130
		800	HT95131
	200	1000	HT95132
		1250	HT95133
		1600	HT95746
2000		HT95134	
500		HT96169	
800		HT95747	
250	1000	HT95135	
	1250	HT95136	
	1600	HT95137	
	2000	HT95748	
	800	HT96170	
	1000	HT95138	
300	1250	HT95139	
	1600	HT95749	
	2000	HT95141	
	2500	HT96171	
	750	HT96172	
	1000	HT96173	
350	1300	HT96174	
	1600	HT96175	
	2000	HT96176	
	2500	HT96177	
	1000	HT95142	
	1400	HT95143	

AFS PLUS Line selection tables

D (mm)	L (mm)	W	NO.
16	400	2000	HT95144
		2500	HT95145
20	60	320	HT95750
		500	HT95751
		800	HT95752
	80	320	HT95753
		500	HT95754
		800	HT95755
		1000	HT95756
		1250	HT96178
	100	500	HT95757
		800	HT95758
		1000	HT95759
		1250	HT95760
	130	1600	HT95761
		650	HT95762
		1000	HT95763
		1250	HT95764
		1600	HT95765
		2000	HT95766
	160	800	HT95767
		1000	HT95768
1250		HT95769	
1600		HT95770	
200	2000	HT95771	
	1000	HT95772	
	1600	HT95773	
	2000	HT96179	
	2500	HT95774	
250	1000	HT96180	
	1250	HT95775	
	2000	HT95776	
300	2500	HT95777	
	1600	HT95778	
	2200	HT96181	
	2500	HT95779	
350	2000	HT96183	
	2500	HT96184	
	3000	HT96185	
400	1600	HT95780	
	2500	HT95781	
	3000	HT96186	
	3500	HT96187	
	4000	HT96188	

D (mm)	L (mm)	W	THERMO COUPLE	NO.
6,5	40	100	YES	YT95317
		150	YES	YT95318
		200	YES	YT95319
	50	200	YES	YT95320
		200	YES	YT95321
	60	250	YES	YT95322
		350	YES	YT95836
		200	YES	YT95805
	80	250	YES	YT95806
		350	YES	YT95807
		250	YES	YT95808
	100	350	YES	YT95323
8	40	100	YES	YT95324
		130	YES	YT95325
		250	YES	YT95326
	60	170	YES	YT95809
		250	YES	YT95327
	80	200	YES	YT95810
		320	YES	YT95329
		250	YES	YT95811
	100	320	YES	YT95331
		400	YES	YT95812
	130	250	YES	YT95813
		400	YES	YT95332
10	40	200	YES	YT95333
		250	YES	YT95334
	60	250	YES	YT95335
		400	YES	YT95336
	80	250	YES	YT95337
		320	YES	YT95338
		400	YES	YT95814
	100	250	YES	YT95815
		350	YES	YT95339
		400	YES	YT95816

AFS PLUS Line selection tables

D (in.)	D (mm)	L (in.)	L (mm)	W	NO.	D (in.)	D (mm)	L (in.)	L (mm)	W	NO.
1/4	6,35	1	25,4	50	HT95277	3/8	9,52	1 1/4	31,7	200	HT96098
				100	HT95278					100	HT95147
				125	HT96056			1 1/2	38,1	150	HT95148
				150	HT95279					200	HT95149
				175	HT96057					300	HT95150
				200	HT95280			2	50,8	100	HT95151
		100	HT96058	150	HT95152						
		150	HT96059	200	HT95153						
		175	HT96060	300	HT95154						
		200	HT96061	2 1/2	63,5			400	HT96099		
		100	HT95281					500	HT95155		
		150	HT95282					100	HT96100		
		1 1/2	38,1	200	HT95283			200	HT95156		
								250	HT95284	300	HT95157
								100	HT95286	400	HT95158
		2	50,8	150	HT95287			150	HT96101		
								200	HT95288	200	HT95160
								250	HT95289	300	HT95161
								300	HT95290	400	HT95162
								150	HT95293	500	HT95163
		2 1/2	63,5	200	HT95294			600	HT96102		
								250	HT95295	300	HT96103
								300	HT95296	400	HT96104
								400	HT95298	500	HT95164
		3	76,2	150	HT95299			500	HT95164		
								200	HT95300	200	HT95165
								250	HT95301	300	HT95166
								300	HT95302	400	HT95167
								400	HT95304	500	HT95168
								200	HT95306	600	HT95169
		3 1/2	88,9	300	HT95308			750	HT95105		
								400	HT95782	400	HT95170
								450	HT96062	500	HT95171
		4	101,6	175	HT96063			800	HT95172		
								250	HT95309	1000	HT96106
								300	HT95310	400	HT95173
								350	HT95311	500	HT95174
								300	HT95312	600	HT95175
		5	127,0	350	HT95313			800	HT95176		
								400	HT96064	1000	HT96107
								300	HT96065	500	HT95177
		6	152,4	400	HT95315			600	HT95178		
500	HT95316					800	HT95179				
600	HT96066					1000	HT96108				
600	HT95180					600	HT95180				
3/8	9,52	1	25,4	100	HT96093	8	203,2	8	203,2	800	HT95181
				150	HT96094					1000	HT96109
				200	HT95146						
		100	HT96095								
		1 1/4	31,7	125	HT96096			150	HT96097		

AFS PLUS Line selection tables

D (in.)	D (mm)	L (in.)	L (mm)	W	NO.	D (in.)	D (mm)	L (in.)	L (mm)	W	NO.
1/2	12,70	1	25,4	100	HT96135	1/2	12,70	7	177,7	800	HT95215
			25,4	150	HT96136				177,7	1000	HT95216
			25,4	175	HT96137				177,7	1500	HT95787
			25,4	200	HT96138				203,2	600	HT95788
			25,4	250	HT96139			203,2	800	HT95217	
		1 1/4	31,7	100	HT96140			8	203,2	1000	HT95218
			31,7	125	HT96141				203,2	1500	HT95219
			31,7	150	HT96142				203,2	2000	HT96152
			31,7	200	HT96143				228,6	1000	HT95220
		1 1/2	31,7	250	HT96144			9	228,6	1500	HT95221
			38,1	175	HT96145				228,6	2000	HT96153
			38,1	200	HT95182				254,0	800	HT96154
			38,1	250	HT96146	10	254,0		1000	HT95222	
		2	38,1	300	HT95183		254,0	1500	HT95223		
			50,8	200	HT96147		254,0	2000	HT95224		
			50,8	250	HT95184		304,8	750	HT96155		
			50,8	300	HT95185	12	304,8	1000	HT95789		
			50,8	400	HT95186		304,8	1500	HT95225		
		50,8	500	HT95783	304,8		2000	HT95226			
		2 1/2	63,5	250	HT95187		5/8	15,87	2	50,8	200
			63,5	300	HT95188	50,8				300	HT95790
			63,5	400	HT95189	50,8				500	HT95791
			3	63,5	500	HT95190			2 1/2	63,5	250
		76,2		250	HT96148	63,5				300	HT95229
		76,2		300	HT95191	63,5				400	HT95230
		76,2		400	HT95192	63,5				500	HT95792
		76,2		500	HT95193	63,5				750	HT96156
		76,2		600	HT95194	76,2				300	HT95793
		76,2		750	HT95784	3				76,2	400
		3 1/2	88,9	300	HT96149				76,2	500	HT95232
			88,9	350	HT95195				76,2	750	HT95794
			88,9	500	HT95196		76,2	1000	HT95795		
			88,9	750	HT95197	4	101,6	400	HT95796		
		4	101,6	350	HT95198		101,6	500	HT95234		
			101,6	400	HT95199		101,6	600	HT95235		
			101,6	500	HT95200		101,6	750	HT95236		
			101,6	600	HT95201		101,6	1000	HT95237		
			101,6	800	HT95202		101,6	1250	HT95797		
			101,6	1000	HT95203		5	127,0	600	HT95238	
			5	127,0	350	HT96150		127,0	800	HT95239	
		127,0		400	HT95785	127,0		1000	HT95240		
		127,0		500	HT95204	127,0		1300	HT96157		
		127,0		600	HT95205	6	152,4	600	HT96158		
		127,0	750	HT95206	152,4		800	HT95241			
		6	152,4	400	HT96151		152,4	1000	HT95242		
			152,4	500	HT95786		152,4	1250	HT96159		
			152,4	600	HT95209		152,4	1500	HT95243		
		7	152,4	750	HT95210		7	177,7	1000	HT95244	
			152,4	1000	HT95212			177,7	1250	HT96160	
			152,4	500	HT95213	177,7		1500	HT95245		
			177,7	500	HT95213						

D (in.)	D (mm)	L (in.)	L (mm)	W	NO.
5/8	15,87	8	203,2	800	HT95798
			203,2	1000	HT95246
			203,2	1250	HT95799
			203,2	1500	HT95247
			203,2	1750	HT96161
			203,2	2000	HT95248
		10	254,0	750	HT96162
			254,0	1000	HT95800
			254,0	1300	HT95249
			254,0	1600	HT95250
			254,0	2000	HT95801
			12	304,8	750
		304,8		1000	HT95802
		304,8		1600	HT95803
		304,8		2000	HT95804
		304,8		2500	HT96164

D (in.)	D (mm)	L (in.)	L (mm)	W	THERMO COUPLE	NO.
1/4	6,35	1 1/2	38,1	100	YES	YT95817
			38,1	200	YES	YT95818
		2	50,8	125	YES	YT95819
			50,8	200	YES	YT95820
		2 1/2	63,5	250	YES	YT95821
			76,2	250	YES	YT95822
		4	101,6	200	YES	YT95823
			101,6	300	YES	YT95824
3/8	9,52	1 1/2	38,1	200	YES	YT95825
		2	50,8	250	YES	YT95826

Form for the identification of special heaters

STEP 1 - VERSIONS AND DIMENSIONS

<input type="checkbox"/> STYLE HT		<input type="checkbox"/> STYLE HE		<input type="checkbox"/> STYLE HD	
<input type="checkbox"/> STYLE HF		<input type="checkbox"/> STYLE HH		<input type="checkbox"/> STYLE HL	
<input type="checkbox"/> DRAWING FOR DIFFERENT VERSIONS					
DIMENSIONS ACCORDING TO CHOSEN STYLE			D mm	L mm	
Notes			Tolerance	Tolerance	





STEP 2 - THERMOCOUPLE CHOICE

HEATER WITHOUT THERMOCOUPLE <input type="checkbox"/>	HEATER + K THERMOCOUPLE <input type="checkbox"/>	HEATER + J THERMOCOUPLE <input type="checkbox"/>
	GROUNDED THERMOCOUPLE <input type="checkbox"/>	INSULATED THERMOCOUPLE <input type="checkbox"/>

STEP 3 - ELECTRICAL FEATURES

LOADING W	TENSION V
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STEP 4 - LEAD PROTECTION TYPES

			
NO PROTECTION <input type="checkbox"/>	FIBREGLASS SLEEVE <input type="checkbox"/>	METAL BRAID <input type="checkbox"/>	FLEXIBLE METAL CONDUIT <input type="checkbox"/>
LEADS LENGTH (mm)	PROTECTION LENGTH (mm)	NOTES: Please specify different protection types or special requirements linked to temperature or electrical connections	

STEP 5 - WORKING ENVIRONMENT

AIR <input type="checkbox"/>	LIQUID <input type="checkbox"/>	TYPE	METAL <input type="checkbox"/>	TYPE
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STEP 6 - WORKING TEMPERATURE

-30°C/100°C	MAX 300°C	MAX 400°C	MAX 500°C	MAX 600°C	MAX 700°C	OTHER
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

STEP 7 - REQUIRED QUANTITY

NO. OF PIECES	NOTES
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STEP 8 - CONTACT DETAILS

COMPANY	MR/MS
---------	-------

ADDRESS	WWW
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	E-MAIL
--	--------

	FAX
--	-----

COUNTRY	PHONE
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He also reserves the right to make at any time all the modifications he will deem necessary to improve his products without notice.