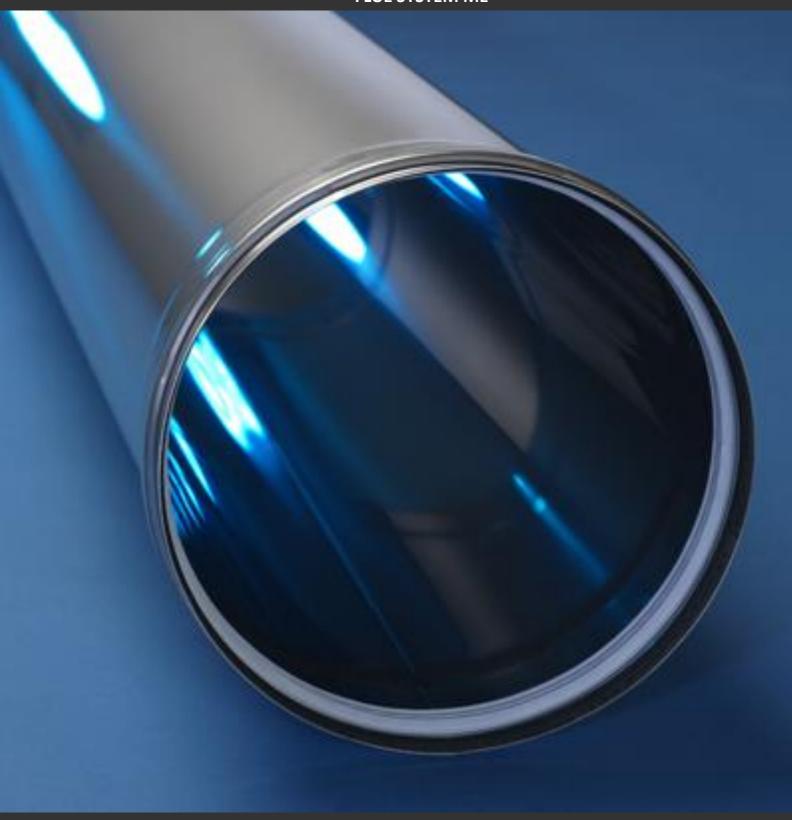


TEL: 0161 682 1999 FAX: 0161 681 9855

E-MAIL: sales@sigram.co.uk WEB: www.sigram.co.uk

FLUE SYSTEM ME







Technical Data SYSTEM ME

Application: Chimney/Flue System/Connecting Flue

Operating Mode: Dry/Wet

Pressure: Negative/positive pressure

Max. working pressure: 5000Pa

Operating temperature: 600°C negative pressure

200°C positive pressure

Max. temperature allowed: 1000°C negative pressure (max 30 min.)

200°C positive pressure

Material: AISI 316L/EN 1.4404
Thickness: Ø80 - Ø600 (0.6)
Sealant: Elastomer
Fuel Type: Gas

INSTALLATION NOTES SPECIFICALLY FOR CONDENSING APPLICATIONS.

On all condensing applications, system must be fitted with a minimum 3 degree slope back towards the appliance/s. (appliance and/or system drain point required at lowest point/s.)

Note: A system slope of 3 degrees equates to 5.2CM per linear metre. Systems must be adequately supported, with horizontal run supports not exceeding two metre centres.

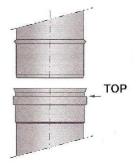
Applications SYSTEM ME

- Shaft liner in renovation projects
- Air inlet & ventilation systems
- Flue system for condensing heaters and boilers
- Chimney renovation

Advantages SYSTEM ME

- Stress free thermal expansion
- Can be connected to System MF
- High quality stainless steel system
- High temperature silicone sealing ring
- Universal application
- Fully welded system with sealing ring
- Light weight system

Installation Method





Check all parts for possible damage.

During installation you may have to use our special installing grease.

The installation of the chimney starts at the appliance and then progresses upwards to the terminal.

The top of each element can be recognised by the profile edge (fig.1).

At the bottom of each section (ME 100) an arrow is printed which indicates the direction of flow.

Connect two elements by pushing them vertically into each other. For visual reasons it is advisable to place the welding seams at the rear if possible.

The sealing ring in the inner wall must remain in its position and must not be damaged during connection of the elements.

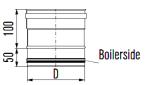
When the elements are connected then fix the locking band (fig. 2)

Then install the next element as instructed

	DIA	METER		CR	OSS SECT	IONAL ARI	EA	i/M)		
Diameter mm	80	100	130	150	180	200	250	300	350	400
Cross Section (cm²)	50	79	133	177	254	314	491	707	962	1256
Weight (kg/m)	1.5	1.5	2	2.5	3	3	4	4.5	5.5	6

MEKAS

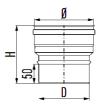
Boiler adaptor with outer sealing ring





MEVG

Increaser





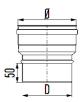
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MEVGOO

Increaser

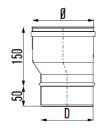




Ø 100 113 130 150 180 200 250 300 350 400 450 500 600 D to be specified on order,

MEVGE

Increaser, eccentric



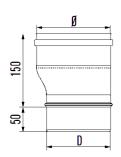


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MEVGEOO

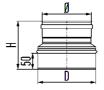
Increaser excentric





Ø 100 113 130 150 180 200 250 300 350 400 to be specified on order

MEVK Reducer





MEDM

Adaptor double female





Ø 80 100 113 130 150 180 200 250 300 350 400

MEVK00

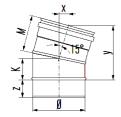
Reducer





Ø 80 100 113 130 150 180 200 250 300 350 400 450 500 600 D to be specified on order

MEB 15 Elbow 15°



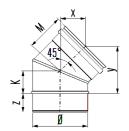


MEB 30 Elbow 30°



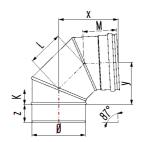


MEB 45 Elbow 45°



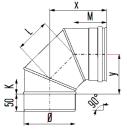


MEB 87 Elbow 87°





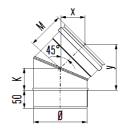
MEB 90 Elbow 90°





K L M X Y	35 100 80 150 105	40 105 85 160 115	40 115 85 165 120	45 115 90 170 125	150 50 125 95 185 140	55 145 100 200 160	60 165 105 220 175	70 185 115 245 200	95 210 140 290 245	95 210 140 290 245	105 230 150 310 270	130 300 205 420 340	140 320 215 440 365	160 385 235 495 420
					140 50									

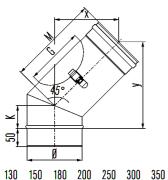
MEBV45 Elbow 45°, adjustable (for negative pressure only)





Ø	113	130	150	180	200	250
K	50	55	55	65	70	80
М	95	100	105	110	110	125
X	65	70	75	80	80	90
٧	115	125	130	140	145	170

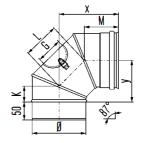
MEBI45 Elbow 45° with inspection cover

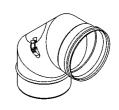




300 180 70 250 175 250 ØGKM X Y 130 130 55 250 175 230 150 140 60 250 175 235 180 140 70 250 175 245 200 140 70 250 175 245 250 180 70 250 175 245 350 180 120 250 175 300

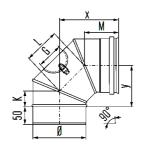
MEBI 87 Elbow 87° with inspection cover





Ø	80	100	113	130	150	180	200	250	300	350	400	450	500	600
G	65	100	100	130	140	140	140	180	180	180	240	240	240	240
K	35	40	40	45	50	55	60	70	95	95	105	125	135	155
L	100	105	115	115	125	145	165	185	210	210	230	300	320	385
M	80	85	85	90	95	100	105	115	140	140	150	205	215	235
					185									
у	105	115	120	125	140	160	175	200	245	245	270	340	370	470

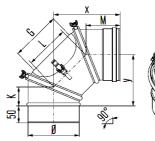
MEBI 90 Elbow 90° with inspection cover





Ø	80	100	113	130	150	180	200	250	300	350	400	450	500	600
G	65	100	100	130	140	140	140	180	180	180	240	240	240	240
K	35	40	40	45	50	55	60	70	95	95	105	125	135	155
L	100	105	115	115	125	145	165	185	210	210	230	300	320	385
М	80	85	85	90	95	100	105	115	140	140	150	205	215	235
X	150	160	165	170	185	200	220	245	290	290	310	390	420	520
٧	105	115	120	125	140	160	175	200	245	245	270	340	370	470

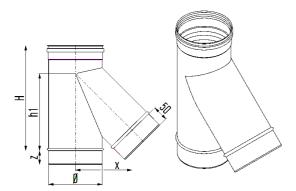
MEBIC 90 Elbow 90° with inspection cover, negative pressure





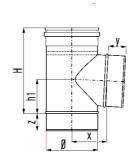
Ø	130	150 140
Ø G K	130	140
K	45	50
L M	115	125
М	90	50 125 95
X	170	180 135
٧	125	135

MET 45Tee-piece 45° with condensate deflector



MFT 87

Tee-piece 87° with condensate deflector

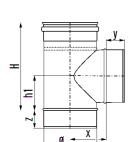


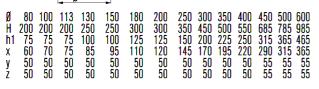


MET 90

Tee-piece 90° with condensate deflector

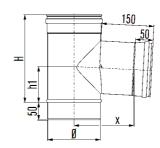






META87

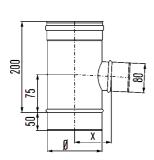
Tee-piece 87° with seperate branch (for negative pressure only)

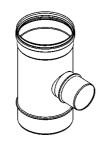




METV08

Tee-piece 87°, reducing

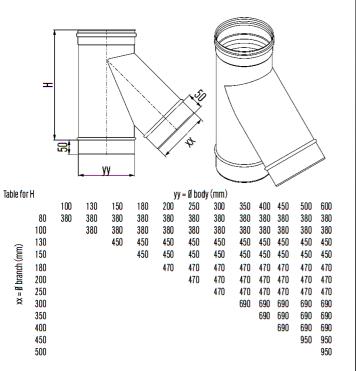




Ø 100 130 150 180 200 250 x 75 90 100 115 125 150

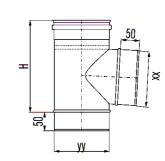
MET 45XX

Tee-piece 45°, reducing



MET 87XX

Tee-piece 87°, reducing





80 100 130 (iiii) 180 200 250 250 300 350 400	100 200	130 200 200	150 200 200 250	180 200 200 250 250	200 200 250 250 250 300	= Ø bod 250 200 200 250 250 300 300	y (mm) 300 200 200 250 250 300 300 350	350 200 200 250 250 300 300 350 450	400 200 200 250 250 300 300 350 450 500	450 200 200 250 250 300 300 350 450 500	500 200 200 250 250 300 300 350 450 500 550
									500		

MET 90XX

Tee-piece 90° with reducing branch

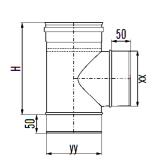
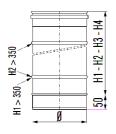




Table for H	100	130	150	180	200	(yy) 250	300	350	400	450 500	600
80		200	200	200	200	200	200	200	200	200 200	200
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(xx) 180						300	300	300	300	300 300	300
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350									500	500 500	500
400										550 550	550
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ME 100/50/25/15

Length



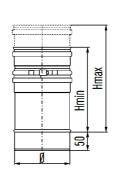


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MEPP

Adjustable length



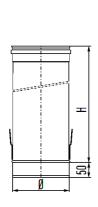


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MEAE

Mounting aid

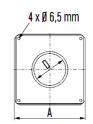




MEAP

Cover plate (for negative pressure only)



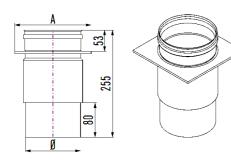




Ø 150 180 200 250 300 350 400 450 500 600 A 335 500 500 500 665 665 665 715 765 865 D 145 175 195 245 295 345 395 495 495 445

MEDD

Adjustable length with double-walled expansion piece (for negative pressure only)



Ø 113 130 150 180 200 250 300 350 Å 165 180 200 230 250 300 350 400

MERBK

Condensate collector with drain

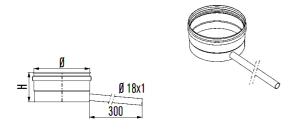




Ø 80 100 130 150 180 200 250 300 350 400 450 500 600

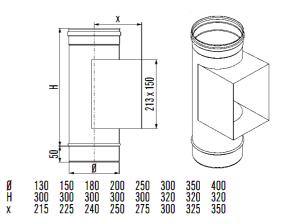
MEKA

Condensate collector with side drain



MERE

Inspection element (for negative pressure only)

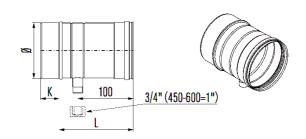


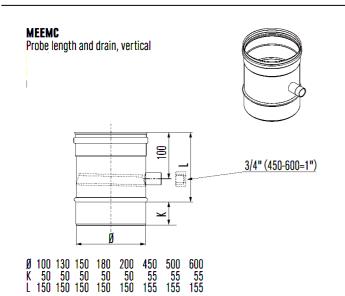
MEI Inspection element

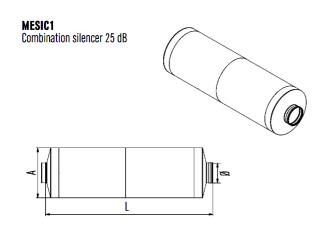


MEEM

Probe length and drain, horizontal



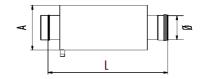




MESIA2

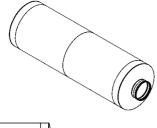
Absorption silencer 35 dB





MESIR1

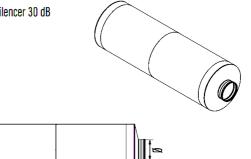
Resonance silencer 20 dB





MESIR2

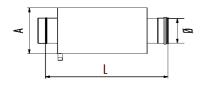
Resonance silencer 30 dB



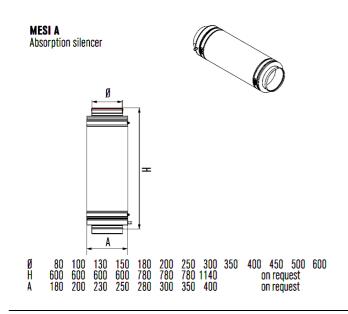
MESIA1

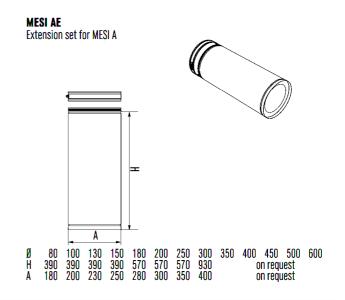
Absorption silencer 25 dB





Ø 80 100 130 150 180 200 250 300 350 400 450 500 600 L 580 580 730 730 980 1230 1230 1730 1730 1730 1970 1970 1970 A 205 225 255 275 305 325 375 425 475 525 575 625 725

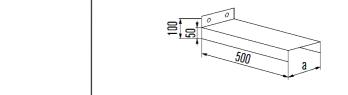




MEAPOWall support element

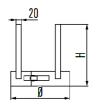


MEAUPSupport U-profile (for MEBS/MEBBS)



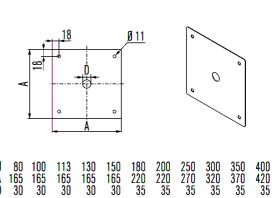
Ø 350 400 450 500 600 A 385 435 485 535 585 B 435 485 535 585 685

MEAH Positioner

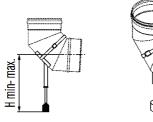




MEBPSupport plate (for MEOH)



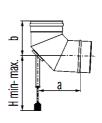
MEBS Support for elbow 87°





Ø 80 100 Hmin 130 130 Hmax 200 200 113 130 200 130 130 200

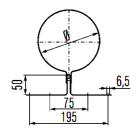
MEBBSSupport with elbow 87°





Ø Hmin Hmax a	200 210 235 165	250 210 235 180	300 210 235 275	350 210 235 275	400 210 235 295
a	165	180	275	275	295
b	215	230	230	290	345

MEEB Mounting band





Ø 80 100 113 130 150 180 200 250

MEKAM

Boiler adaptor





200 250 210 260 150 180 160 190

MEKBSLocking band with screw fitting





Ø 80 100 113 130 150 180 200 250 300 350 400 450 500 600

MEKB Locking band





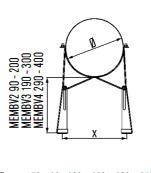
Ø 80 100 113 130 150 180 200 250 300 350 400 450 500 600

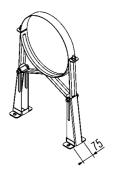
MEMB Wall band adjustable Ø 400 Ø 80 100 113 130 150 180 300 350 400 450 500 600 200 250 A 116 116 116 160 160 B 35 35 35 55 55 360 360 360 360 410 55 60 60 60 60 160 160 160 160

55 55 55 55

H 25-50 25-50 25-50 50-90 50-90 50-90 50-90 50-90

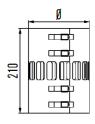
MEMBV2/3/4Wall band adjustable

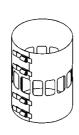




150 180 200 250 300 350 400 450 500 600 180 210 230 280 330 380 430 480 510 610

MESK Reinforced locking band

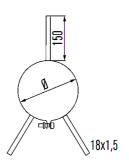




50-90 50-90 50-90 50-90 50-90

80 100 113 130 150 180 200 250 300 350 400

MESZ Shaft support

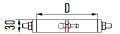


Ø 100 113 130 150 180 200

MEMO

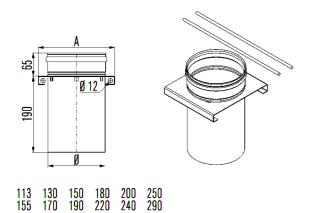
Band for wall support



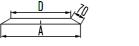


Ø 80 100 113 130 150 180 200 250 300 350 400 450 500 600 D 80 100 113 130 150 180 200 250 300 350 400 450 500 600

MEZSShaft support with twin wall connector, incl. brackets (for negative pressure only.)



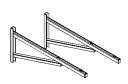
MES Storm collar

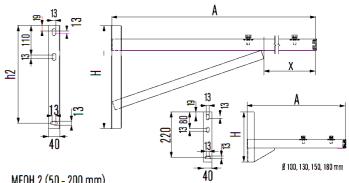




A 205 225 255 255 275 305 325 375 425 475 525 575 625 725

MEOH 2 / MEOH 4 Support heavy (pair) for MEBP/MEAPO

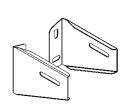


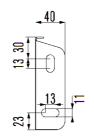


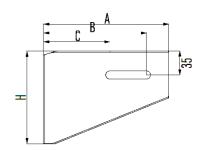
MEOH 2 (50 - 200 m	nm)	40							
	150 180	200	250	300	350	400	450	500	600
A 475 475 475 4	475 475	600	600	600	740	740	740	915	915
	240 240	330	330	330	330	330	330	380	380
h2		-	310	310	310	310	310	360	360
χ		-	270	270	330	330	330	355	355
MEOH 4 (200 - 400	mm)								
	150 180	200	250	300	350	400	450	500	600
	600 740	740	740	740	915	915	2.7.2		1090
H 330 330 330 3	330 330	330	330	330	380	380	380	430	430
	310 310	310	310	310	360	360	360	410	410
x 270 270 270 2	270 330	330	330	330	355	355	355	350	350

x = Max. distance to cut

MEOL 1 / MEOL 2 Support light (pair) for MEMO



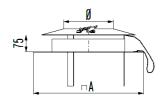


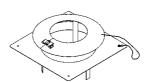


MEC Ø A B C H	OL 1 (50 80 170 140 90 125	- 90 n 100 170 140 90 125	nm) 113 185 155 105 140	130 185 155 105 140	150 220 190 125 170	180 220 190 125 170	200 220 190 125 170	250 285 255 130 230	300 285 255 130 230
MEC Ø A B C	OL 2 (90 80 285 255	100 285 255	113 295 265	130 295 265	150 315 285	180 335 305	200 335 305	250 370 340	300 395 365
H	130 230	130 230	145 235	145 235	165 255	180 275	180 275	215 305	240 325

MESAD

Shaft cover plate with ventilation





150 180 200 250 300 350 400 450 500 600 335 425 425 425 665 665 665 715 765 865 Ø 80 100 113 130 A 335 335 335 335

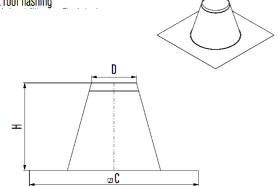
MEDH

Slope roof flashing 5°-30° CXC" 5°-30°

80 100 130 400 450 500 600 D 85 105 135 505 605 C 430 465 500 795 850 890 990 C"420 455 490 500 760 810 860 960 H 130 140 150 155 195 200 210 220

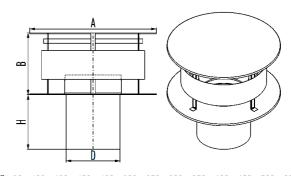
MEDP

Flat roof flashing



150 180 200 160 190 210 440 470 490 315 315 315 500 600 510 610 790 890 315 315 310 590 315 350 400 360 410 640 690 315 315 460 740 315 140 420 200 240 520 315

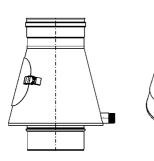
MEK All weather cap



175 90 78 880 440 397 285 145 127 330 165 147 395 200 177 440 220 197 550 275 247 660 330 297 770 385 347 890 860 447 220 98 497 597 210 270

MEKI

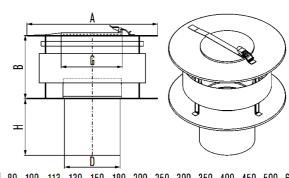
Inspection element with condensate drain





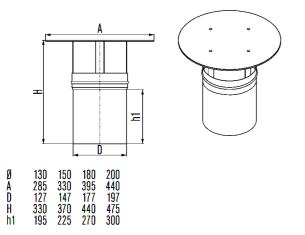
250 130 250 140 250 140 300 180 300 180 300 180 350 240 Ø H G 65 100 140

All weather cap with inspection

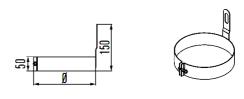


285 145 127 195 150 180 200 250 300 330 395 440 550 660 165 200 220 275 330 147 177 197 247 297 210 270 300 375 450 150 180 200 250 250 285 145 110 165 770 385 347 525 990 1190 910 1190 497 597 750 900 250 250 110 98 150 440 397 600 860 447 625

MEMS Cap

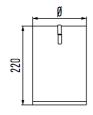


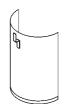
MEAS Mounting aid



Ø 80 100 113 130 150 180 200 250

MEKSPCondensate cover (for use with MERE)





METE End cap for tee-piece

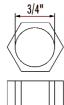




Ø 130 150

Ø 80 100 113 130 150 180 200 250 300 350 400 450 500 600

MEE 0304 Cap





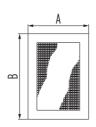
MENLTDraught stabiliser, adjustment range from 10 till 60 Pa

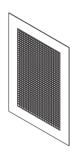




130 150 180

MELG Air inlet





 Ø
 113
 130
 150
 200

 A
 170
 170
 215
 215

 B
 240
 240
 310
 310

MEVRE 99

Extension casing (for use with MERE)





MERT 99

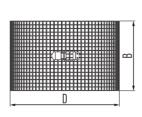
Inspection cover with frame





MEVV

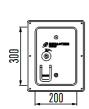
Spark arrester mesh





Ø 130 150 180 D 210 240 290 B 135 160 190

MERTG 99 Inspection cover with frame





ME-EPDM

Seal EPDM Temperatures always below 120 degrees

MEDRY

Seal Viton for oil-containing exhaust gases





Ø 80 100

80 100 130 150 180 200 250

Whilst every effort has been made to provide reliable information and dimension accuracy, Sigram Flue Systems Ltd, do not hold themselves responsible for possible errors of an editorial nature, however caused.

Sigram are committed to the concept of continuous quality and improvement and therefore reserves the right to alter product specification without notice.



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