

Arc Single

Declaration of Performance



DOP No.	2608-02	Unique Product Code	ARCVS
Trading Name	Arc Single	Type, Batch, or Serial Number	ARCVS _ - _

Manufacturer:

MHS Radiators Ltd, Unit 4 Genesis, Endeavour Drive, Basildon, SS14 3WF

Tel: 0345 521 5666 | Email: mhs@modularhg.co.uk | Website: www.mhsradiators.co.uk

System of ACVP:

System 3

Declared uses of the product, within the scope of the applicable harmonised technical specification:

Radiators for heating emission meant for permanent installation in heating systems of domestic buildings, supplied by a remote source of hot water or steam with temperature inferior to 110° C (EN 442-1-2 2014).

Notified Laboratory:

Laboratorio M.R.T. - Notified Body Number: 1695

Via Raffaele Lambruschini 4A, 20156 Milano

Tel: 02-23993825 | E-mail: mrt@polimi.it | Website: www.mrt.polimi.it

The notified body performed tests according to harmonised standard UNI EN 442 and released:

Test Report for the determination of the thermal power of an heating element:

N° ENE/MRT.RES.15037 – 27/08/2015;

Pressure Resistance Test Report:

N° ENE/MRT.RAP.15212P/15213P/15214P/15215P – 27/08/2015.

Harmonised technical specifications:

EN 442-1:2014, PCR-ed4-EN-2021 09 06,

PSR-0011-ed2.0 EN-2023 06 06, ISO 14025:2006, EN15804+A2.

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Declared performance:

Performance of the essential characteristics defined by the harmonised technical specification:

Essential Characteristics	Performance				
Fire reaction	A1				
Release of dangerous substances	NO				
Maximum working pressure	5 bar				
Pressure tightness	No leakage at 1.3 x working pressure				
Pressure resistance	No leakage at 1.69 x working pressure				
Maximum surface temperature	110°C				
Rated thermal output (per tube)	Height mm	Output ΔT 50°C watts	Output ΔT 30°C watts	K_m	n
	600	45.1	24.0	0.3566	1.2372
	800	58.4	30.8	0.4328	1.2536
	1000	71.5	37.4	0.4970	1.2701
	1200	84.6	44.2	0.5859	1.2711
	1400	97.7	51.0	0.6743	1.2720
	1600	110.9	57.9	0.7624	1.2730
	1800	124.2	64.8	0.8508	1.2739
	1900	130.9	68.3	0.8944	1.2743
	2000	137.6	71.8	0.9394	1.2748
Characteristic curve	$\Phi = K_m \times \Delta T^n$				
Resistance against corrosion	No > 100h				
Resistance against minor impact	Class 0				

Signed for and on behalf of the manufacturer by:

Alex Bradley
Commercial Director
28/08/26