



# ARDESIA®

## 3 COLUMNS

### FOR REPLACEMENT



WARRANTY  
5 YEARS

Functioning:	hot water
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Maximum working pressure	10 bar
Testing conditions	13 bar

Maximum temperature	110°C
Minimum flow in % of the nominal flow rate:	18

Hub	1"
Section width	46 mm

#### MATERIAL:

- Pressed heads in carbon steel sheet.
- Welded carbon steel tube ø 25 mm.

#### PACKAGING:

The radiator is protected by a recycled film in polyethylene and with a box in recycled carton. User notice included.

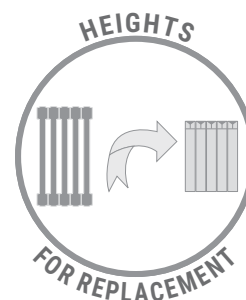
#### PAINTING PROCESS:

Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

#### COLOURS:

Standard white RAL 9010 - R01. For other colours see Colour chart chapter.

## CERTIFICATIONS



## HOW TO ORDER ARDESIA® 3 COLUMNS

#### ARTICLE NR. STRUCTURE

Model and nr COLUMNS	Elements nr.	Height in mm	Article code of the connection	Article code of the colour	Constant value
AAA	BB	CCCC	DDD	EEE	A

#### EXAMPLE

Model and nr COLUMNS E.g.: Ardesia® 3 COLUMNS	Numero elements E.g.: 14 elements	Height in mm Example: 586 mm	Article code of the connection Example: connection 2	Article code of the colour Example: R01-White	Constant value
AR3	14	0586	002	R01	A

#### EXAMPLE OF ARTICLE CODE CREATION

In the case of a radiator:

**AR3** ARDESIA® 3 COLUMNS

**14** 14 elements (see the table shown on the side)

**0586** Height 586 mm (see the table shown on the side)

**002** connection 2

**R01** colour R01-White

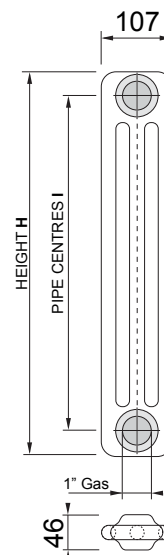
**A** (Constant value)

The article code will be:

**AR3 14 0586 002 R01 A**

## TECHNICAL DATA PER SECTION

	CAST IRON		ALUMINIUM							LAMELLAR e PANEL			
Height H [mm]	676	876	556	656	756	856	1656	1856	2056	586	626	786	926
Pipe Centres I [mm]	620	820	500	600	700	800	1600	1800	2000	530	570	730	870
(90/70/20°C) ΔT 60 = W	92,5	117,8	77,2	90	102,7	115,3	213,2	236,6	260,1	81	86,1	106,5	124,1
(75/65/20°C) ΔT 50 = W	72,8	92,3	60,9	70,8	80,6	90,4	166,7	185,5	204,3	63,8	67,8	83,6	97,2
(65/55/20°C) ΔT 40 = W	54,3	68,5	45,5	52,8	60	67,1	123,3	137,6	151,9	47,7	50,6	62,1	72
(55/45/20°C) ΔT 30 = W	37,2	46,6	31,3	36,2	41	45,7	83,6	93,6	103,7	32,8	34,7	42,4	48,9
Water Content [lt]	1	1,24	0,85	0,97	1,09	1,21	2,18	2,42	2,66	0,89	0,94	1,13	1,26
Dry Weight [kg]	1,53	1,96	1,28	1,49	1,7	1,91	3,61	4,04	4,47	1,34	1,43	1,77	1,95
Exp. [n]	1,316	1,339	1,302	1,314	1,325	1,337	1,35	1,338	1,326	1,306	1,31	1,329	1,343
Nominal flow rate [kg/h]	6,3	7,9	5,2	6,1	6,9	7,8	14,3	16	17,6	5,5	5,8	7,2	8,4
Radiation quote [%]	22	22	22	22	22	22	20	19	19	22	22	22	21
Surface [m²]	0,16	0,2	0,13	0,15	0,18	0,2	0,38	0,43	0,47	0,14	0,15	0,18	0,22



# 3 COLUMNS HEIGHTS FOR REPLACEMENT



N° OF SECTIONS WIDTH [mm]		CAST IRON		ALUMINIUM							LAMELLAR		PANEL	
	H	676	876	556	656	756	856	1656	1856	2056	586	626	786	926
	Pipe Centres	620	820	500	600	700	800	1600	1800	2000	530	570	730	870
3														
138 mm	W	218	277	183	212	242	271	500	557	613	191	203	251	292
4														
184 mm	W	291	369	244	283	322	362	667	742	817	255	271	334	389
5														
230 mm	W	364	462	305	354	403	452	834	928	1022	319	339	418	486
6														
276 mm	W	437	554	365	425	484	542	1000	1113	1226	383	407	502	583
7														
322 mm	W	510	646	426	496	564	633	1167	1299	1430	447	475	585	680
8														
368 mm	W	582	738	487	566	645	723	1334	1484	1634	510	542	669	778
9														
414 mm	W	655	831	548	637	725	814	1500	1670	1839	574	610	752	875
10														
460 mm	W	728	923	609	708	806	904	1667	1855	2043	638	678	836	972
11														
506 mm	W	801	1015	670	779	887	994	1834	2041	2247	702	746	920	1069
12														
552 mm	W	874	1108	731	850	967	1085	2000	2226	2452	766	814	1003	1166
13														
598 mm	W	946	1200	792	920	1048	1175	2167	2412	2656	829	881	1087	1264
14														
644 mm	W	1019	1292	853	991	1128	1266	2334	2597	2860	893	949	1170	1361
15														
690 mm	W	1092	1385	914	1062	1209	1356	2501	2783	3065	957	1017	1254	1458
16														
736 mm	W	1165	1477	974	1133	1290	1446	2667	2968	3269	1021	1085	1338	1555
17														
782 mm	W	1238	1569	1035	1204	1370	1537	2834	3154	3473	1085	1153	1421	1652
18														
828 mm	W	1310	1661	1096	1274	1451	1627	3001	3339	3677	1148	1220	1505	1750
19														
874 mm	W	1383	1754	1157	1345	1531	1718	3167	3525	3882	1212	1288	1588	1847
20														
920 mm	W	1456	1846	1218	1416	1612	1808	3334	3710	4086	1276	1356	1672	1944
21														
966 mm	W	1529	1938	1279	1487	1693	1898	3501	3896	4290	1340	1424	1756	2041
22														
1012 mm	W	1602	2031	1340	1558	1773	1989	3667	4081	4495	1404	1492	1839	2138
23														
1058 mm	W	1674	2123	1401	1628	1854	2079	3834	4267	4699	1467	1559	1923	2236
24														
1104 mm	W	1747	2215	1462	1699	1934	2170	4001	4452	4903	1531	1627	2006	2333
25														
1150 mm	W	1820	2308	1523	1770	2015	2260	4168	4638	5108	1595	1695	2090	2430
26														
1196 mm	W	1893	2400	1583	1841	2096	2350	4334	4823	5312	1659	1763	2174	2527
27														
1242 mm	W	1966	2492	1644	1912	2176	2441	4501	5009	5516	1723	1831	2257	2624
28														
1288 mm	W	2038	2584	1705	1982	2257	2531	4668	5194	5720	1786	1898	2341	2722
29														
1344 mm	W	2111	2677	1766	2053	2337	2622	4834	5380	5925	1850	1966	2424	2819
30														
1380 mm	W	2184	2769	1827	2124	2418	2712	5001	5565	6129	1914	2034	2508	2916
31														
1426 mm	W	2257	2861	1888	2195	2499	2802	5168	5751	6333	1978	2102	2592	3013
32														
1472 mm	W	2330	2954	1949	2266	2579	2893	5334	5936	6538	2042	2170	2675	3110
33														
1518 mm	W	2402	3046	2010	2336	2660	2983	5501	6122	6742	2105	2237	2759	3208
34														
1564 mm	W	2475	3138	2071	2407	2740	3074	5668	6307	6946	2169	2305	2842	3305
35														
1610 mm	W	2548	3231	2132	2478	2821	3164	5835	6493	7151	2233	2373	2926	3402
36														
1656 mm	W	2621	3323	2192	2549	2902	3254	6001	6678	7355	2297	2441	3010	3499
37														
1702 mm	W	2694	3415	2253	2620	2982	3345	6168	6864	7559	2361	2509	3093	3596
38														
1748 mm	W	2766	3507	2314	2690	3063	3435	6335	7049	7763	2424	2576	3177	3694
39														
1794 mm	W	2839	3600	2375	2761	3143	3526	6501	7235	7968	2488	2644	3260	3791
40														
1840 mm	W	2912	3692	2436	2832	3224	3616	6668	7420	8172	2552	2712	3344	3888

Radiators provided in separate batteries to facilitate transport and installation. Batteries can be joined together (nipping operation) with lock key smaller than 1 mt.  
Each couple of batteries inclusive of 2 nipples and 2 seals. (With surcharge). For batteries with more than 83 sections with lateral connection, see probes kit at Accessories chapter