

# ALICE TANDEM VERTICALE



Colore: Nero ruvido Metallizzato F06



Pressione max: 8 bar	
Temperatura massima d'esercizio: 95° C	Funzionamento: acqua calda
Attacchi: N° 2 da 1/2" gas - n° 1 da 1/8" gas per valvola di sfiato	

## Materiali:

- Collettori orizzontali in acciaio al carbonio verniciato  $\varnothing$  38 mm.
- Doppi corpi radianti verticali in acciaio al carbonio verniciato  $\varnothing$  18 mm.

## Kit di fissaggio:

Supporti, valvolina di sfiato, chiave esagonale, tasselli e viti per fissaggio idonei per impiego su pareti compatte o in laterizio forato, istruzioni di montaggio.

## Imballo:

Il radiatore viene protetto con film di polietilene e scatola di cartone totalmente riciclabili.

Istruzioni uso e manutenzione a corredo.

## Verniciatura:

A polveri epossipoliestere ecologiche a 90 gloss di brillantezza. (Processo certificato DIN 55900-1,-2)

## Colori:

Colore standard Bianco RAL 9010. Per altri colori consultare la tabella colori a pag. 212 con sovrapprezzo del 30%.

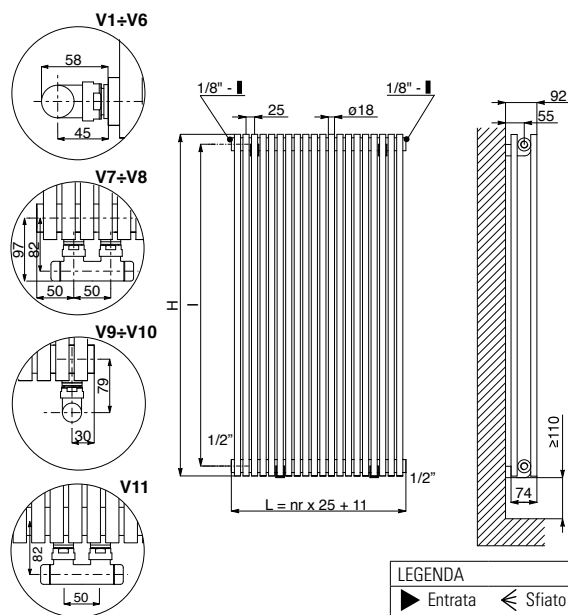
## Accessori:

Per l'elenco completo consultare pag. 186

## ACCESSORI TECNICI

	VALVOLA KRISTAL A SQUADRA TERMOSTATIZZABILE BIANCO R01-RAL 9010
Attacco RAME	5991990311012
Attacco MULTISTRATO	5991990311011

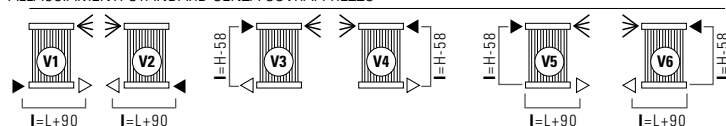
\*I codici nelle tabelle si riferiscono al colore standard BIANCO R01 - RAL 9010; i colori diversi dallo standard vengono forniti esclusivamente a corredo del radiatore colorato. Riferirsi alle maggiorazioni tabella colori di pag. 212.



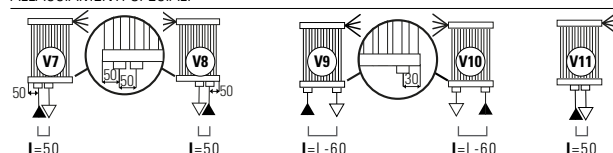
Misure per valvole tipo Kristal Cordivari

LEGENDA	
	Entrata
	Uscita
	Sfiato
	H Altezza
	Manicotto base=20 - altezza=15
	I Cieco
	Interasse
	L Larghezza

## ALLACCIAMENTI STANDARD SENZA SOVRAPPREZZO



## ALLACCIAMENTI SPECIALI



Specificare sempre in sede di ordine il tipo di allacciamento (da V1 a V11). Escluso allacciamento monotubo.

ALTEZZA H [mm]	<b>600</b>	<b>800</b>	<b>1000</b>	<b>1200</b>	<b>1400</b>	<b>1600</b>	<b>1800</b>	<b>1900</b>	<b>2000</b>	<b>2200</b>	<b>2300</b>	<b>2500</b>
Pot. term. per elemento a t = 50 °C [Watt]	35,5	45,4	54,9	64,0	72,9	81,6	90,1	94,8	98,3	105,0	110,0	118,0
Peso a vuoto per elemento [kg]	0,836	1,080	1,324	1,568	1,813	2,057	2,301	2,419	2,545	2,785	2,911	3,156
Capacità elemento [lt]	0,281	0,352	0,422	0,492	0,563	0,634	0,704	0,741	0,775	0,847	0,881	0,951
Esponente n	1,3420	1,3420	1,3410	1,3400	1,3390	1,3380	1,3370	1,3370	1,3360	1,3350	1,3350	1,3340
Interasse l [mm] (solo per V3-V4)	542	742	942	1142	1342	1542	1742	1842	1942	2142	2242	2442

LARGHEZZA L [mm]	N° El. (*)	POTENZA TERMICA IN WATT ΔT=50°C 75/65/20°C (ΔT=50°C)												
		W	W	W	W	W	W	W	W	W	W	W		
<b>136</b>	<b>5</b>	W	178	227	275	320	365	408	451	474	492	525	550	590
		Φ=	0,9315 * Δt <sup>1,3420</sup>	1,1913 * Δt <sup>1,3420</sup>	1,4462 * Δt <sup>1,3410</sup>	1,6925 * Δt <sup>1,3400</sup>	1,9354 * Δt <sup>1,3390</sup>	2,1749 * Δt <sup>1,3380</sup>	2,4109 * Δt <sup>1,3370</sup>	2,5366 * Δt <sup>1,3370</sup>	2,6406 * Δt <sup>1,3360</sup>	2,8316 * Δt <sup>1,3350</sup>	2,9665 * Δt <sup>1,3350</sup>	3,1947 * Δt <sup>1,3340</sup>
<b>161</b>	<b>6</b>	W	213	272	329	384	437	490	541	569	590	630	660	708
		Φ=	1,1178 * Δt <sup>1,3420</sup>	1,4295 * Δt <sup>1,3420</sup>	1,7354 * Δt <sup>1,3410</sup>	2,0310 * Δt <sup>1,3400</sup>	2,3225 * Δt <sup>1,3390</sup>	2,6099 * Δt <sup>1,3380</sup>	2,8930 * Δt <sup>1,3370</sup>	3,0439 * Δt <sup>1,3370</sup>	3,1687 * Δt <sup>1,3360</sup>	3,3979 * Δt <sup>1,3350</sup>	3,5597 * Δt <sup>1,3350</sup>	3,8336 * Δt <sup>1,3340</sup>
<b>186</b>	<b>7</b>	W	249	318	384	448	510	571	631	664	688	735	770	826
		Φ=	1,3041 * Δt <sup>1,3420</sup>	1,6678 * Δt <sup>1,3420</sup>	2,0247 * Δt <sup>1,3410</sup>	2,3695 * Δt <sup>1,3400</sup>	2,7096 * Δt <sup>1,3390</sup>	3,0449 * Δt <sup>1,3380</sup>	3,3752 * Δt <sup>1,3370</sup>	3,5513 * Δt <sup>1,3370</sup>	3,6968 * Δt <sup>1,3360</sup>	3,9643 * Δt <sup>1,3350</sup>	4,1530 * Δt <sup>1,3350</sup>	4,4725 * Δt <sup>1,3340</sup>
<b>211</b>	<b>8</b>	W	284	363	439	512	583	653	721	758	786	840	880	944
		Φ=	1,4904 * Δt <sup>1,3420</sup>	1,9060 * Δt <sup>1,3420</sup>	2,3139 * Δt <sup>1,3410</sup>	2,7080 * Δt <sup>1,3400</sup>	3,0967 * Δt <sup>1,3390</sup>	3,4798 * Δt <sup>1,3380</sup>	3,8574 * Δt <sup>1,3370</sup>	4,0586 * Δt <sup>1,3370</sup>	4,2249 * Δt <sup>1,3360</sup>	4,5306 * Δt <sup>1,3350</sup>	4,7463 * Δt <sup>1,3350</sup>	5,1115 * Δt <sup>1,3340</sup>
<b>236</b>	<b>9</b>	W	320	409	494	576	656	734	811	853	885	945	990	1062
		Φ=	1,6767 * Δt <sup>1,3420</sup>	2,1443 * Δt <sup>1,3420</sup>	2,6031 * Δt <sup>1,3410</sup>	3,0465 * Δt <sup>1,3400</sup>	3,4838 * Δt <sup>1,3390</sup>	3,9148 * Δt <sup>1,3380</sup>	4,3395 * Δt <sup>1,3370</sup>	4,5659 * Δt <sup>1,3370</sup>	4,7530 * Δt <sup>1,3360</sup>	5,0969 * Δt <sup>1,3350</sup>	5,3396 * Δt <sup>1,3350</sup>	5,7504 * Δt <sup>1,3340</sup>
<b>261</b>	<b>10</b>	W	355	454	549	640	729	816	901	948	983	1050	1100	1180
		Φ=	1,8630 * Δt <sup>1,3420</sup>	2,3825 * Δt <sup>1,3420</sup>	2,8924 * Δt <sup>1,3410</sup>	3,3850 * Δt <sup>1,3400</sup>	3,8709 * Δt <sup>1,3390</sup>	4,3498 * Δt <sup>1,3380</sup>	4,8217 * Δt <sup>1,3370</sup>	5,0732 * Δt <sup>1,3370</sup>	5,2812 * Δt <sup>1,3360</sup>	5,6632 * Δt <sup>1,3350</sup>	5,9329 * Δt <sup>1,3350</sup>	6,3893 * Δt <sup>1,3340</sup>
<b>286</b>	<b>11</b>	W	391	499	604	704	802	898	991	1043	1081	1155	1210	1298
		Φ=	2,0493 * Δt <sup>1,3420</sup>	2,6208 * Δt <sup>1,3420</sup>	3,1816 * Δt <sup>1,3410</sup>	3,7235 * Δt <sup>1,3400</sup>	4,2579 * Δt <sup>1,3390</sup>	4,7848 * Δt <sup>1,3380</sup>	5,3039 * Δt <sup>1,3370</sup>	5,5806 * Δt <sup>1,3370</sup>	5,8093 * Δt <sup>1,3360</sup>	6,2296 * Δt <sup>1,3350</sup>	6,5262 * Δt <sup>1,3350</sup>	7,0283 * Δt <sup>1,3340</sup>
<b>311</b>	<b>12</b>	W	426	545	659	768	875	979	1081	1138	1180	1260	1320	1416
		Φ=	2,2356 * Δt <sup>1,3420</sup>	2,8590 * Δt <sup>1,3420</sup>	3,4708 * Δt <sup>1,3410</sup>	4,0620 * Δt <sup>1,3400</sup>	4,6450 * Δt <sup>1,3390</sup>	5,2197 * Δt <sup>1,3380</sup>	5,7861 * Δt <sup>1,3370</sup>	6,0879 * Δt <sup>1,3370</sup>	6,3374 * Δt <sup>1,3360</sup>	6,7959 * Δt <sup>1,3350</sup>	7,1195 * Δt <sup>1,3350</sup>	7,6672 * Δt <sup>1,3340</sup>
<b>336</b>	<b>13</b>	W	462	590	714	832	948	1061	1171	1232	1278	1365	1430	1534
		Φ=	2,4219 * Δt <sup>1,3420</sup>	3,0973 * Δt <sup>1,3420</sup>	3,7601 * Δt <sup>1,3410</sup>	4,4005 * Δt <sup>1,3400</sup>	5,0321 * Δt <sup>1,3390</sup>	5,6547 * Δt <sup>1,3380</sup>	6,2682 * Δt <sup>1,3370</sup>	6,5952 * Δt <sup>1,3370</sup>	6,8655 * Δt <sup>1,3360</sup>	7,3622 * Δt <sup>1,3350</sup>	7,7128 * Δt <sup>1,3350</sup>	8,3061 * Δt <sup>1,3340</sup>
<b>361</b>	<b>14</b>	W	497	636	769	896	1021	1142	1261	1327	1376	1470	1540	1652
		Φ=	2,6082 * Δt <sup>1,3420</sup>	3,3355 * Δt <sup>1,3420</sup>	4,0493 * Δt <sup>1,3410</sup>	4,7390 * Δt <sup>1,3400</sup>	5,4192 * Δt <sup>1,3390</sup>	6,0897 * Δt <sup>1,3380</sup>	6,7504 * Δt <sup>1,3370</sup>	7,1025 * Δt <sup>1,3370</sup>	7,3936 * Δt <sup>1,3360</sup>	7,9285 * Δt <sup>1,3350</sup>	8,3061 * Δt <sup>1,3350</sup>	8,9451 * Δt <sup>1,3340</sup>
<b>386</b>	<b>15</b>	W	533	681	824	960	1094	1224	1352	1422	1475	1575	1650	1770
		Φ=	2,7945 * Δt <sup>1,3420</sup>	3,5738 * Δt <sup>1,3420</sup>	4,3386 * Δt <sup>1,3410</sup>	5,0775 * Δt <sup>1,3400</sup>	5,8063 * Δt <sup>1,3390</sup>	6,5247 * Δt <sup>1,3380</sup>	7,2326 * Δt <sup>1,3370</sup>	7,6099 * Δt <sup>1,3370</sup>	7,9217 * Δt <sup>1,3360</sup>	8,4948 * Δt <sup>1,3350</sup>	8,8994 * Δt <sup>1,3350</sup>	9,5840 * Δt <sup>1,3340</sup>
<b>411</b>	<b>16</b>	W	568	726	878	1024	1166	1306	1442	1517	1573	1680	1760	1888
		Φ=	2,9808 * Δt <sup>1,3420</sup>	3,8120 * Δt <sup>1,3420</sup>	4,6278 * Δt <sup>1,3410</sup>	5,4160 * Δt <sup>1,3400</sup>	6,1934 * Δt <sup>1,3390</sup>	6,9597 * Δt <sup>1,3380</sup>	7,7148 * Δt <sup>1,3370</sup>	8,1172 * Δt <sup>1,3370</sup>	8,4499 * Δt <sup>1,3360</sup>	9,0612 * Δt <sup>1,3350</sup>	9,4927 * Δt <sup>1,3350</sup>	10,2223 * Δt <sup>1,3340</sup>
<b>436</b>	<b>17</b>	W	604	772	933	1088	1239	1387	1532	1612	1671	1785	1870	2006
		Φ=	3,1671 * Δt <sup>1,3420</sup>	4,0503 * Δt <sup>1,3420</sup>	4,9170 * Δt <sup>1,3410</sup>	5,7545 * Δt <sup>1,3400</sup>	6,5805 * Δt <sup>1,3390</sup>	7,3946 * Δt <sup>1,3380</sup>	8,1969 * Δt <sup>1,3370</sup>	8,6245 * Δt <sup>1,3370</sup>	8,9780 * Δt <sup>1,3360</sup>	9,6275 * Δt <sup>1,3350</sup>	10,0859 * Δt <sup>1,3350</sup>	10,8619 * Δt <sup>1,3340</sup>
<b>461</b>	<b>18</b>	W	639	817	988	1152	1312	1469	1622	1706	1769	1890	1980	2124
		Φ=	3,3534 * Δt <sup>1,3420</sup>	4,2886 * Δt <sup>1,3420</sup>	5,2063 * Δt <sup>1,3410</sup>	6,0930 * Δt <sup>1,3400</sup>	6,9675 * Δt <sup>1,3390</sup>	7,8296 * Δt <sup>1,3380</sup>	8,6791 * Δt <sup>1,3370</sup>	9,1318 * Δt <sup>1,3370</sup>	9,5061 * Δt <sup>1,3360</sup>	10,1938 * Δt <sup>1,3350</sup>	10,6792 * Δt <sup>1,3350</sup>	11,5008 * Δt <sup>1,3340</sup>
<b>486</b>	<b>19</b>	W	675	863	1043	1216	1385	1550	1712	1801	1868	1995	2090	2242
		Φ=	3,5397 * Δt <sup>1,3420</sup>	4,5268 * Δt <sup>1,3420</sup>	5,4955 * Δt <sup>1,3410</sup>	6,4315 * Δt <sup>1,3400</sup>	7,3546 * Δt <sup>1,3390</sup>	8,2646 * Δt <sup>1,3380</sup>	9,1613 * Δt <sup>1,3370</sup>	9,6392 * Δt <sup>1,3370</sup>	10,0342 * Δt <sup>1,3360</sup>	10,7601 * Δt <sup>1,3350</sup>	11,2725 * Δt <sup>1,3350</sup>	12,1397 * Δt <sup>1,3340</sup>
<b>511</b>	<b>20</b>	W	710	908	1098	1280	1458	1632	1802	1896	1966	2100	2200	2360
		Φ=	3,7260 * Δt <sup>1,3420</sup>	4,7651 * Δt <sup>1,3420</sup>	5,7847 * Δt <sup>1,3410</sup>	6,7700 * Δt <sup>1,3400</sup>	7,7417 * Δt <sup>1,3390</sup>	8,6996 * Δt <sup>1,3380</sup>	9,6434 * Δt <sup>1,3370</sup>	10,1465 * Δt <sup>1,3370</sup>	10,5623 * Δt <sup>1,3360</sup>	11,3265 * Δt <sup>1,3350</sup>	11,8658 * Δt <sup>1,3350</sup>	12,7787 * Δt <sup>1,3340</sup>
<b>536</b>	<b>21</b>	W	746	953	1153	1344	1531	1714	1892	1991	2064	2205	2310	2478
		Φ=	3,9123 * Δt <sup>1,3420</sup>	5,0033 * Δt <sup>1,3420</sup>	6,0740 * Δt <sup>1,3410</sup>	7,1085 * Δt <sup>1,3400</sup>	8,1288 * Δt <sup>1,3390</sup>	9,1346 * Δt <sup>1,3380</sup>	10,1256 * Δt <sup>1,3370</sup>	10,6538 * Δt <sup>1,3370</sup>	11,0904 * Δt <sup>1,3360</sup>	11,8928 * Δt <sup>1,3350</sup>	12,4591 * Δt <sup>1,3350</sup>	13,4176 * Δt <sup>1,3340</sup>
<b>561</b>	<b>22</b>	W	781	999	1208	1408	1604	1795	1982	2086	2163	2310	2420	2596
		Φ=	4,0986 * Δt <sup>1,3420</sup>	5,2418 * Δt <sup>1,3420</sup>	6,3632 * Δt <sup>1,3410</sup>	7,4470 * Δt <sup>1,3400</sup>	8,5159 * Δt <sup>1,3390</sup>	9,5695 * Δt <sup>1,3380</sup>	10,6078 * Δt <sup>1,3370</sup>	11,1611 * Δt <sup>1,3370</sup>	11,6186 * Δt <sup>1,3360</sup>	12,4591 * Δt <sup>1,3350</sup>	13,0524 * Δt <sup>1,3350</sup>	14,0565 * Δt <sup>1,3340</sup>
<b>586</b>	<b>23</b>	W	817	1044	1263	1472	1677	1877	2072	2180	2261	2415	2530	2714
		Φ=	4,2849 * Δt <sup>1,3420</sup>	5,4798 * Δt <sup>1,3420</sup>	6,6524 * Δt <sup>1,3410</sup>	7,7855 * Δt <sup>1,3400</sup>	8,9030 * Δt <sup>1,3390</sup>	10,0045 * Δt <sup>1,3380</sup>	11,0900 * Δt <sup>1,3370</sup>	11,6685 * Δt <sup>1,3370</sup>	12,1467 * Δt <sup>1,3360</sup>	13,0254 * Δt <sup>1,3350</sup>	13,6457 * Δt <sup>1,3350</sup>	14,6955 * Δt <sup>1,3340</sup>
<b>611</b>	<b>24</b>	W	852	1090	1318	1536	1750	1958	2162	2275	2359	2520	2640	2832
		Φ=	4,4712 * Δt <sup>1,3420</sup>	5,7181 * Δt <sup>1,3420</sup>	6,9417 * Δt <sup>1,3410</sup>	8,1240 * Δt <sup>1,3400</sup>	9,2900 * Δt <sup>1,3390</sup>	10,4395 * Δt <sup>1,3380</sup>	11,5721 * Δt <sup>1,3370</sup>	12,1758 * Δt <sup>1,3370</sup>	12,6748 * Δt <sup>1,3360</sup>	13,5918 * Δt <sup>1,3350</sup>	14,2390 * Δt <sup>1,3350</sup>	15,3344 * Δt <sup>1,3340</sup>
<b>636</b>	<b>25</b>	W	888	1135	1373	1600	1823	2040	2253	2370	2458	2625	2750	2950
		Φ=	4,6575 * Δt <sup>1,3420</sup>	5,9563 * Δt <sup>1,3420</sup>	7,2309 * Δt <sup>1,3410</sup>	8,4625 * Δt <sup>1,3400</sup>	9,6771 * Δt <sup>1,3390</sup>	10,8745 * Δt <sup>1,3380</sup>	12,0543 * Δt <sup>1,3370</sup>	12,6831 * Δt <sup>1,3370</sup>	13,2029 * Δt <sup>1,3360</sup>	14,1581 * Δt <sup>1,3350</sup>	14,8323 * Δt <sup>1,3350</sup>	15,9734 * Δt <sup>1,3340</sup>
<b>661</b>	<b>26</b>	W	923	1180	1427	1664	1895	2122	2343	2465	2556	2730	2860	3068
		Φ=	4,8438 * Δt <sup>1,3420</sup>	6,1948 * Δt <sup>1,3420</sup>	7,5202 * Δt <sup>1,3410</sup>	8,8010 * Δt <sup>1,3400</sup>	10,0642 * Δt <sup>1,3390</sup>	11,3095 * Δt <sup>1,3380</sup>	12,5365 * Δt <sup>1,3370</sup>	13,1904 * Δt <sup>1,3370</sup>	13,7310 * Δt <sup>1,3360</sup>	14,7244 * Δt <sup>1,3350</sup>	15,4256 * Δt <sup>1,3350</sup>	16,6123 * Δt <sup>1,3340</sup>
<b>686</b>	<b>27</b>	W	959	1226	1482	1728	1968	2203	2433	2560	2654	2835	2970	3186
		Φ=	5,0301 * Δt <sup>1,3420</sup>	6,4328 * Δt <sup>1,3420</sup>	7,8094 * Δt <sup>1,3410</sup>	9,1395 * Δt <sup>1,3400</sup>	10,4513 * Δt <sup>1,3390</sup>	11,7444 * Δt <sup>1,3380</sup>	13,0186 * Δt <sup>1,3370</sup>	13,6977 * Δt <sup>1,3370</sup>	14,2591 * Δt <sup>1,3360</sup>	15,2907 * Δt <sup></sup>		



Colore: Bianco R01

Pressione max: 8 bar	
Temperatura massima d'esercizio: 95° C	Funzionamento: acqua calda
Attacchi: N° 2 da 1/2" gas - n° 1 da 1/2" gas per valvola di sfiato	

### Materiali:

- Collettori verticali in acciaio al carbonio verniciato ø 38 mm.
- Doppi corpi radianti orizzontali in acciaio al carbonio verniciato ø 18 mm.

### Kit di fissaggio:

Supporti, valvolina di sfiato, chiave esagonale, tasselli e viti per fissaggio idonei per impiego su pareti compatte o in laterizio forato, istruzioni di montaggio.

### Imballo:

Il radiatore viene protetto con film di polietilene e scatola di cartone totalmente riciclabili.

Istruzioni uso e manutenzione a corredo.

### Verniciatura:

A polveri epossipoliestere ecologiche a 90 gloss di brillantezza. (Processo certificato DIN 55900-1,-2)

### Colori:

Colore standard Bianco RAL 9010. Per altri colori consultare la tabella colori a pag. 212 con sovrapprezzo del 30%.

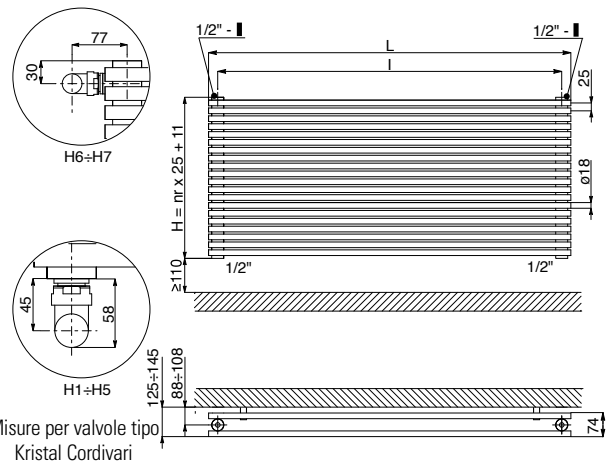
### Accessori:

Per l'elenco completo consultare pag. 186

## ACCESSORI TECNICI

	VALVOLA KRISTAL A SQUADRA TERMOSTATIZZABILE BIANCO R01-RAL 9010
Attacco RAME	5991990311012
Attacco MULTISTRATO	5991990311011

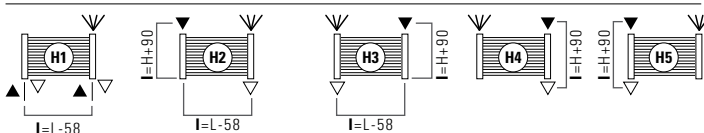
\*I codici nelle tabelle si riferiscono al colore standard BIANCO R01 - RAL 9010; i colori diversi dallo standard vengono forniti esclusivamente a corredo del radiatore colorato. Riferirsi alle maggiorazioni tabella colori di pag. 212.



Misure per valvole tipo Kristal Cordivari

LEGENDA	
	Entrata
	Sfiato
	Uscita
	H Altezza
	Manicotto base=20 - altezza=15
	Cieco
	I Interasse
	L Larghezza

### ALLACCIAMENTI STANDARD SENZA SOVRAPPREZZO



Specificare sempre in sede di ordine il tipo di allacciamento (da H1 a H7). Escluso allacciamento monotubo.

### ALLACCIAMENTI SPECIALI



LARGHEZZA L [mm]	500	600	800	1000	1200	1400	1500	1600	1700	1800	1900	2000
Peso a vuoto per elemento [kg]	0,714	0,836	1,080	1,324	1,568	1,813	1,930	2,057	2,174	2,301	2,419	2,545
Capacità elemento [lt]	0,246	0,281	0,352	0,422	0,492	0,563	0,599	0,634	0,670	0,704	0,741	0,775
Interasse I [mm] (solo per H1-H2-H3)	442	542	742	942	1142	1342	1442	1542	1642	1742	1842	1942

ALTEZZA H [mm]	N° El.	(*)	POTENZA TERMICA IN WATT Δt=50°C 75/65/20°C (Δt=50°C)											
			W	W	W	W	W	W	W	W	W	W		
211	8	W	270	323	431	539	647	755	809	862	916	970	1024	1078
			Φ= 1,9768*Δt <sup>1,2584</sup>	2,3722*Δt <sup>1,2584</sup>	3,1630*Δt <sup>1,2584</sup>	3,9537*Δt <sup>1,2584</sup>	4,7444*Δt <sup>1,2584</sup>	5,5352*Δt <sup>1,2584</sup>	5,9305*Δt <sup>1,2584</sup>	6,3259*Δt <sup>1,2584</sup>	6,7213*Δt <sup>1,2584</sup>	7,1166*Δt <sup>1,2584</sup>	7,5120*Δt <sup>1,2584</sup>	7,9074*Δt <sup>1,2584</sup>
236	9	W	299	358	478	597	716	836	896	955	1015	1075	1134	1194
			Φ= 2,1982*Δt <sup>1,2584</sup>	2,6378*Δt <sup>1,2584</sup>	3,5170*Δt <sup>1,2584</sup>	4,3963*Δt <sup>1,2584</sup>	5,2756*Δt <sup>1,2584</sup>	6,1548*Δt <sup>1,2584</sup>	6,5945*Δt <sup>1,2584</sup>	7,0341*Δt <sup>1,2584</sup>	7,4737*Δt <sup>1,2584</sup>	7,9133*Δt <sup>1,2584</sup>	8,3530*Δt <sup>1,2584</sup>	8,7926*Δt <sup>1,2584</sup>
261	10	W	328	393	524	655	786	917	983	1048	1114	1179	1245	1310
			Φ= 2,4212*Δt <sup>1,2584</sup>	2,9054*Δt <sup>1,2584</sup>	3,8739*Δt <sup>1,2584</sup>	4,8423*Δt <sup>1,2584</sup>	5,8108*Δt <sup>1,2584</sup>	6,7792*Δt <sup>1,2584</sup>	7,2635*Δt <sup>1,2584</sup>	7,7477*Δt <sup>1,2584</sup>	8,2319*Δt <sup>1,2584</sup>	8,7162*Δt <sup>1,2584</sup>	9,2004*Δt <sup>1,2584</sup>	9,6846*Δt <sup>1,2584</sup>
286	11	W	356	427	569	711	853	995	1067	1138	1209	1280	1351	1422
			Φ= 2,6385*Δt <sup>1,2584</sup>	3,1662*Δt <sup>1,2584</sup>	4,2215*Δt <sup>1,2584</sup>	5,2769*Δt <sup>1,2584</sup>	6,3323*Δt <sup>1,2584</sup>	7,3877*Δt <sup>1,2584</sup>	7,9154*Δt <sup>1,2584</sup>	8,4431*Δt <sup>1,2584</sup>	8,9708*Δt <sup>1,2584</sup>	9,4985*Δt <sup>1,2584</sup>	10,0262*Δt <sup>1,2584</sup>	10,5538*Δt <sup>1,2584</sup>
311	12	W	383	460	613	766	919	1072	1149	1226	1302	1379	1455	1532
			Φ= 2,8537*Δt <sup>1,2584</sup>	3,4244*Δt <sup>1,2584</sup>	4,5659*Δt <sup>1,2584</sup>	5,7074*Δt <sup>1,2584</sup>	6,8489*Δt <sup>1,2584</sup>	7,9904*Δt <sup>1,2584</sup>	8,5611*Δt <sup>1,2584</sup>	9,1318*Δt <sup>1,2584</sup>	9,7026*Δt <sup>1,2584</sup>	10,2733*Δt <sup>1,2584</sup>	10,8441*Δt <sup>1,2584</sup>	11,4148*Δt <sup>1,2584</sup>
336	13	W	411	493	657	821	985	1149	1232	1314	1396	1478	1560	1642
			Φ= 3,0706*Δt <sup>1,2584</sup>	3,6847*Δt <sup>1,2584</sup>	4,9129*Δt <sup>1,2584</sup>	6,1412*Δt <sup>1,2584</sup>	7,3694*Δt <sup>1,2584</sup>	8,5977*Δt <sup>1,2584</sup>	9,2118*Δt <sup>1,2584</sup>	9,8259*Δt <sup>1,2584</sup>	10,4400*Δt <sup>1,2584</sup>	11,0541*Δt <sup>1,2584</sup>	11,6682*Δt <sup>1,2584</sup>	12,2823*Δt <sup>1,2584</sup>
361	14	W	438	525	700	875	1050	1225	1313	1400	1488	1575	1663	1750
			Φ= 3,2854*Δt <sup>1,2584</sup>	3,9425*Δt <sup>1,2584</sup>	5,2666*Δt <sup>1,2584</sup>	6,5708*Δt <sup>1,2584</sup>	7,8849*Δt <sup>1,2584</sup>	9,1991*Δt <sup>1,2584</sup>	9,8561*Δt <sup>1,2584</sup>	10,5132*Δt <sup>1,2584</sup>	11,1703*Δt <sup>1,2584</sup>	11,8274*Δt <sup>1,2584</sup>	12,4845*Δt <sup>1,2584</sup>	13,1415*Δt <sup>1,2584</sup>
386	15	W	464	556	742	927	1112	1298	1391	1483	1576	1669	1761	1854
			Φ= 3,4943*Δt <sup>1,2584</sup>	4,1931*Δt <sup>1,2584</sup>	5,5908*Δt <sup>1,2584</sup>	6,9885*Δt <sup>1,2584</sup>	8,3863*Δt <sup>1,2584</sup>	9,7840*Δt <sup>1,2584</sup>	10,4828*Δt <sup>1,2584</sup>	11,1817*Δt <sup>1,2584</sup>	11,8805*Δt <sup>1,2584</sup>	12,5794*Δt <sup>1,2584</sup>	13,2782*Δt <sup>1,2584</sup>	13,9771*Δt <sup>1,2584</sup>
411	16	W	490	587	783	979	1175	1371	1469	1566	1664	1762	1860	1958
			Φ= 3,7047*Δt <sup>1,2584</sup>	4,4457*Δt <sup>1,2584</sup>	5,9276*Δt <sup>1,2584</sup>	7,4095*Δt <sup>1,2584</sup>	8,8914*Δt <sup>1,2584</sup>	10,3733*Δt <sup>1,2584</sup>	11,1142*Δt <sup>1,2584</sup>	11,8552*Δt <sup>1,2584</sup>	12,5961*Δt <sup>1,2584</sup>	13,3371*Δt <sup>1,2584</sup>	14,0780*Δt <sup>1,2584</sup>	14,8190*Δt <sup>1,2584</sup>
436	17	W	516	619	825	1031	1237	1443	1547	1650	1753	1856	1959	2062
			Φ= 3,9168*Δt <sup>1,2584</sup>	4,7002*Δt <sup>1,2584</sup>	6,2669*Δt <sup>1,2584</sup>	7,8336*Δt <sup>1,2584</sup>	9,4004*Δt <sup>1,2584</sup>	10,9671*Δt <sup>1,2584</sup>	11,7505*Δt <sup>1,2584</sup>	12,5338*Δt <sup>1,2584</sup>	13,3172*Δt <sup>1,2584</sup>	14,1005*Δt <sup>1,2584</sup>	14,8839*Δt <sup>1,2584</sup>	15,6673*Δt <sup>1,2584</sup>
461	18	W	541	649	865	1081	1297	1513	1622	1730	1838	1946	2054	2162
			Φ= 4,1229*Δt <sup>1,2584</sup>	4,9474*Δt <sup>1,2584</sup>	6,5966*Δt <sup>1,2584</sup>	8,2457*Δt <sup>1,2584</sup>	9,8949*Δt <sup>1,2584</sup>	11,5440*Δt <sup>1,2584</sup>	12,3686*Δt <sup>1,2584</sup>	13,1932*Δt <sup>1,2584</sup>	14,0178*Δt <sup>1,2584</sup>	14,8423*Δt <sup>1,2584</sup>	15,6669*Δt <sup>1,2584</sup>	16,4915*Δt <sup>1,2584</sup>
486	19	W	566	679	905	1131	1357	1583	1697	1810	1923	2036	2149	2262
			Φ= 4,3305*Δt <sup>1,2584</sup>	5,1966*Δt <sup>1,2584</sup>	6,9288*Δt <sup>1,2584</sup>	8,6609*Δt <sup>1,2584</sup>	10,3931*Δt <sup>1,2584</sup>	12,1253*Δt <sup>1,2584</sup>	12,9914*Δt <sup>1,2584</sup>	13,8575*Δt <sup>1,2584</sup>	14,7236*Δt <sup>1,2584</sup>	15,5897*Δt <sup>1,2584</sup>	16,4558*Δt <sup>1,2584</sup>	17,3219*Δt <sup>1,2584</sup>
511	20	W	591	709	945	1181	1417	1653	1772	1890	2008	2126	2244	2362
			Φ= 4,5386*Δt <sup>1,2584</sup>	5,4476*Δt <sup>1,2584</sup>	7,2634*Δt <sup>1,2584</sup>	9,0793*Δt <sup>1,2584</sup>	10,8951*Δt <sup>1,2584</sup>	12,7110*Δt <sup>1,2584</sup>	13,6189*Δt <sup>1,2584</sup>	14,5269*Δt <sup>1,2584</sup>	15,4348*Δt <sup>1,2584</sup>	16,3427*Δt <sup>1,2584</sup>	17,2506*Δt <sup>1,2584</sup>	18,1586*Δt <sup>1,2584</sup>
536	21	W	615	737	983	1229	1475	1721	1844	1966	2089	2212	2335	2458
			Φ= 4,7427*Δt <sup>1,2584</sup>	5,6912*Δt <sup>1,2584</sup>	7,5883*Δt <sup>1,2584</sup>	9,4853*Δt <sup>1,2584</sup>	11,3824*Δt <sup>1,2584</sup>	13,2795*Δt <sup>1,2584</sup>	14,2280*Δt <sup>1,2584</sup>	15,1765*Δt <sup>1,2584</sup>	16,1251*Δt <sup>1,2584</sup>	17,0736*Δt <sup>1,2584</sup>	18,0221*Δt <sup>1,2584</sup>	18,9707*Δt <sup>1,2584</sup>
561	22	W	639	766	1022	1277	1532	1788	1916	2043	2171	2299	2427	2554
			Φ= 4,9453*Δt <sup>1,2584</sup>	5,9343*Δt <sup>1,2584</sup>	7,9124*Δt <sup>1,2584</sup>	9,8906*Δt <sup>1,2584</sup>	11,8687*Δt <sup>1,2584</sup>	13,8468*Δt <sup>1,2584</sup>	14,8358*Δt <sup>1,2584</sup>	15,8249*Δt <sup>1,2584</sup>	16,8139*Δt <sup>1,2584</sup>	17,8030*Δt <sup>1,2584</sup>	18,7921*Δt <sup>1,2584</sup>	19,7811*Δt <sup>1,2584</sup>
586	23	W	662	794	1059	1324	1589	1854	1986	2118	2251	2383	2516	2648
			Φ= 5,1474*Δt <sup>1,2584</sup>	6,1769*Δt <sup>1,2584</sup>	8,2358*Δt <sup>1,2584</sup>	10,2948*Δt <sup>1,2584</sup>	12,3537*Δt <sup>1,2584</sup>	14,4127*Δt <sup>1,2584</sup>	15,4422*Δt <sup>1,2584</sup>	16,4716*Δt <sup>1,2584</sup>	17,5011*Δt <sup>1,2584</sup>	18,5306*Δt <sup>1,2584</sup>	19,5601*Δt <sup>1,2584</sup>	20,5896*Δt <sup>1,2584</sup>
611	24	W	686	823	1097	1371	1645	1919	2057	2194	2331	2468	2605	2742
			Φ= 5,3510*Δt <sup>1,2584</sup>	6,4212*Δt <sup>1,2584</sup>	8,5616*Δt <sup>1,2584</sup>	10,7020*Δt <sup>1,2584</sup>	12,8424*Δt <sup>1,2584</sup>	14,9828*Δt <sup>1,2584</sup>	16,0530*Δt <sup>1,2584</sup>	17,1232*Δt <sup>1,2584</sup>	18,1934*Δt <sup>1,2584</sup>	19,2636*Δt <sup>1,2584</sup>	20,3338*Δt <sup>1,2584</sup>	21,4040*Δt <sup>1,2584</sup>
636	25	W	709	850	1134	1417	1700	1984	2126	2267	2409	2551	2692	2834
			Φ= 5,5522*Δt <sup>1,2584</sup>	6,6627*Δt <sup>1,2584</sup>	8,8835*Δt <sup>1,2584</sup>	11,1044*Δt <sup>1,2584</sup>	13,3253*Δt <sup>1,2584</sup>	15,5462*Δt <sup>1,2584</sup>	16,6567*Δt <sup>1,2584</sup>	17,7671*Δt <sup>1,2584</sup>	18,8775*Δt <sup>1,2584</sup>	19,9880*Δt <sup>1,2584</sup>	21,0984*Δt <sup>1,2584</sup>	22,2089*Δt <sup>1,2584</sup>
661	26	W	732	878	1170	1463	1756	2048	2195	2341	2487	2633	2780	2926
			Φ= 5,7549*Δt <sup>1,2584</sup>	6,9059*Δt <sup>1,2584</sup>	9,2079*Δt <sup>1,2584</sup>	11,5099*Δt <sup>1,2584</sup>	13,8118*Δt <sup>1,2584</sup>	16,1138*Δt <sup>1,2584</sup>	17,2648*Δt <sup>1,2584</sup>	18,4158*Δt <sup>1,2584</sup>	19,5668*Δt <sup>1,2584</sup>	20,7177*Δt <sup>1,2584</sup>	21,8687*Δt <sup>1,2584</sup>	23,0197*Δt <sup>1,2584</sup>
686	27	W	754	905	1206	1508	1810	2111	2262	2413	2564	2714	2865	3016
			Φ= 5,9552*Δt <sup>1,2584</sup>	7,1462*Δt <sup>1,2584</sup>	9,5283*Δt <sup>1,2584</sup>	11,9104*Δt <sup>1,2584</sup>	14,2925*Δt <sup>1,2584</sup>	16,6745*Δt <sup>1,2584</sup>	17,8656*Δt <sup>1,2584</sup>	19,0566*Δt <sup>1,2584</sup>	20,2477*Δt <sup>1,2584</sup>	21,4387*Δt <sup>1,2584</sup>	22,6297*Δt <sup>1,2584</sup>	23,8208*Δt <sup>1,2584</sup>
711	28	W	777	932	1242	1553	1864	2174	2330	2485	2640	2795	2951	3106
			Φ= 6,1569*Δt <sup>1,2584</sup>	7,3883*Δt <sup>1,2584</sup>	9,8511*Δt <sup>1,2584</sup>	12,3139*Δt <sup>1,2584</sup>	14,7767*Δt <sup>1,2584</sup>	17,2394*Δt <sup>1,2584</sup>	18,4708*Δt <sup>1,2584</sup>	19,7022*Δt <sup>1,2584</sup>	20,9336*Δt <sup>1,2584</sup>	22,1650*Δt <sup>1,2584</sup>	23,3964*Δt <sup>1,2584</sup>	24,6278*Δt <sup>1,2584</sup>
736	29	W	798	958	1277	1596	1915	2234	2394	2554	2713	2873	3032	3192
			Φ= 6,3522*Δt <sup>1,2584</sup>	7,6227*Δt <sup>1,2584</sup>	10,1636*Δt <sup>1,2584</sup>	12,7044*Δt <sup>1,2584</sup>	15,2453*Δt <sup>1,2584</sup>	17,7862*Δt <sup>1,2584</sup>	19,0567*Δt <sup>1,2584</sup>	20,3271*Δt <sup>1,2584</sup>	21,5975*Δt <sup>1,2584</sup>	22,8680*Δt <sup>1,2584</sup>	24,1384*Δt <sup>1,2584</sup>	25,4089*Δt <sup>1,2584</sup>
761	30	W	820	984	1312	1640	1968	2296	2460	2624	2788	2952	3116	3280
			Φ= 6,5529*Δt <sup>1,2584</sup>	7,8635*Δt <sup>1,2584</sup>	10,4847*Δt <sup>1,2584</sup>	13,1059*Δt <sup>1,2584</sup>	15,7270*Δt <sup>1,2584</sup>	18,3482*Δt <sup>1,2584</sup>	19,6588*Δt <sup>1,2584</sup>	20,9694*Δt <sup>1,2584</sup>	22,2800*Δt <sup>1,2584</sup>	23,5905*Δt <sup>1,2584</sup>	24,9011*Δt <sup>1,2584</sup>	26,2117*Δt <sup>1,2584</sup>
786	31	W	842	1010	1346	1683	2020	2356	2525	2693	2861	3029	3198	3366
			Φ= 6,7511*Δt <sup>1,2584</sup>	8,1013*Δt <sup>1,2584</sup>	10,8018*Δt <sup>1,2584</sup>	13,5022*Δt <sup>1,2584</sup>	16,2026*Δt <sup>1,2584</sup>	18,9031*Δt <sup>1,2584</sup>	20,2533*Δt <sup>1,2584</sup>	21,6035*Δt <sup>1,2584</sup>	22,9537*Δ			