Tesi Clean

Tesi Clean is the evolution of the historic IRSAP Tesi product. Thanks to its special structure featuring single, spaced elements, Tesi Clean can be used in special environments such as nursing homes, schools and hospitals where the radiators must be kept particularly clean. The main features of this product is the 65 mm distance between one element and another, the absence of corners and sharp edges, the possibility of connection to various types of water connections (see pages 38 and 39). Tesi Clean is available in any number of columns (from 2 to 6 columns) and any height (from 200 mm to 2500 mm). Thanks to its special structure with round tubes (25 mm diameter) it is also ideal for low temperature systems. The heat yields of Tesi Clean have been measured pursuant to EN 442 technical standards.

Tesi Clean, 15 elements, Hight 1800 mm, Standard White

Construction features

25 mm diameter sheet steel tubes
pressed sheet steel manifolds
65 mm long elements (element pitch)
1 1/4” G right and left threading at the end of the upper and lower manifolds
maximum working pressure 8 bar
maximum working temperature 95°C

Certifications

EN 442 EURONORM

CE 11 EN442-1

Plus

Technical data

Model	Deph (mm)	Height (mm)	Conn. C. (mm)	Weigth (kg)	Capacity (lt)	COM_PRODUCTS_TABLE_DATA_BTU	Δt=50°C (kcal/h)	Δt=50°C (Watt)	Δt=40°C (Watt)	Δt=30°C (Watt)	Δt=20°C (Watt)	Exponent
TESI 3 CLEAN 192	101,0	194	127	0,54	0,58	76,1	19,2	22,3	16,8	11,7	7,0	1,258
TESI 4 CLEAN 192	139,0	194	127	0,70	0,71	97,6	24,6	28,6	21,5	14,9	8,9	1,273
TESI 5 CLEAN 192	177,0	194	127	0,94	0,73	119,1	30,0	34,9	26,3	18,2	10,9	1,275
TESI 6 CLEAN 192	215,0	194	127	1,10	0,86	140,2	35,3	41,1	31,0	21,5	12,9	1,268
TESI 2 CLEAN 300	65,0	302	235	0,58	0,53	94,2	23,7	27,6	20,8	14,5	8,7	1,263
TESI 3 CLEAN 300	101,0	302	235	0,73	0,71	124,9	31,5	36,6	27,6	19,2	11,6	1,258
TESI 4 CLEAN 300	139,0	302	235	0,96	0,89	157,0	39,6	46,0	34,6	24,0	14,3	1,273
TESI 5 CLEAN 300	177,0	302	235	1,26	0,95	193,5	48,8	56,7	42,7	29,6	17,6	1,275
TESI 6 CLEAN 300	215,0	302	235	1,48	1,13	229,6	57,9	67,3	50,7	35,2	21,1	1,268
TESI 2 CLEAN 350	65,0	352	285	0,64	0,57	108,5	27,4	31,8	24,0	16,7	10,0	1,265
TESI 3 CLEAN 350	101,0	352	285	0,82	0,77	144,7	36,5	42,4	32,0	22,2	13,3	1,262
TESI 4 CLEAN 350	139,0	352	285	1,07	0,97	181,5	45,8	53,2	40,0	27,7	16,5	1,278

TESI 5 CLEAN 350	177,0	352	285	1,41	1,06	223,5		56,3	65,5	49,2	34,1	20,3	1,278
TESI 6 CLEAN 350	215,0	352	285	1,66	1,26	265,1		66,8	77,7	58,5	40,6	24,3	1,270
TESI 2 CLEAN 365	65,0	367	300	0,66	0,58	112,9		28,5	33,1	25,0	17,3	10,4	1,265
TESI 3 CLEAN 365	101,0	367	300	0,85	0,79	150,5		37,9	44,1	33,3	23,1	13,9	1,264
TESI 4 CLEAN 365	139,0	367	300	1,11	1,00	189,0		47,6	55,4	41,6	28,8	17,2	1,279
TESI 5 CLEAN 365	177,0	367	300	1,45	1,09	232,7		58,6	68,2	51,3	35,5	21,1	1,279
TESI 6 CLEAN 365	215,0	367	300	1,71	1,29	276,0		69,6	80,9	60,9	42,3	25,2	1,271
TESI 2 CLEAN 400	65,0	402	335	0,70	0,61	122,8		31,0	36,0	27,1	18,9	11,3	1,267
TESI 3 CLEAN 400	101,0	402	335	0,91	0,83	164,5		41,5	48,2	36,3	25,2	15,1	1,266
TESI 4 CLEAN 400	139,0	402	335	1,19	1,06	206,1		51,9	60,4	45,4	31,4	18,7	1,282
TESI 5 CLEAN 400	177,0	402	335	1,55	1,16	253,5		63,9	74,3	55,8	38,6	23,0	1,281
TESI 6 CLEAN 400	215,0	402	335	1,84	1,38	300,6		75,8	88,1	66,3	46,0	27,4	1,273
TESI 2 CLEAN 450	65,0	452	385	0,76	0,65	137,2		34,6	40,2	30,3	21,0	12,6	1,269
TESI 3 CLEAN 450	101,0	452	385	1,00	0,90	183,9		46,4	53,9	40,6	28,2	16,8	1,270
TESI 4 CLEAN 450	139,0	452	385	1,31	1,14	230,7		58,1	67,6	50,7	35,1	20,8	1,286
TESI 5 CLEAN 450	177,0	452	385	1,70	1,27	283,2		71,4	83,0	62,3	43,1	25,6	1,284

TESI 6 CLEAN 450	215,0	452	385	2,01	1,50	336,1		84,7	98,5	74,1	51,4	30,6	1,275
TESI 2 CLEAN 500	65,0	502	435	0,82	0,69	151,2		38,1	44,3	33,4	23,1	13,8	1,271
TESI 3 CLEAN 500	101,0	502	435	1,09	0,96	203,0		51,2	59,5	44,8	31,0	18,5	1,274
TESI 4 CLEAN 500	139,0	502	435	1,43	1,22	254,9		64,2	74,7	56,0	38,7	22,9	1,290
TESI 5 CLEAN 500	177,0	502	435	1,85	1,37	312,9		78,9	91,7	68,8	47,5	28,2	1,287
TESI 6 CLEAN 500	215,0	502	435	2,19	1,63	370,9		93,5	108,7	81,8	56,6	33,7	1,277
TESI 2 CLEAN 550	65,0	552	485	0,88	0,74	165,1		41,6	48,4	36,4	25,3	15,1	1,273
TESI 3 CLEAN 550	101,0	552	485	1,18	1,02	222,5		56,1	65,2	49,0	33,9	20,2	1,278
TESI 4 CLEAN 550	139,0	552	485	1,55	1,30	279,1		70,3	81,8	61,3	42,2	25,0	1,294
TESI 5 CLEAN 550	177,0	552	485	2,00	1,47	342,2		86,3	100,3	75,2	51,9	30,8	1,290
TESI 6 CLEAN 550	215,0	552	485	2,37	1,75	405,7		102,2	118,9	89,4	61,9	36,8	1,279
TESI 2 CLEAN 600	65,0	602	535	0,94	0,78	179,1		45,1	52,5	39,5	27,4	16,3	1,275
TESI 3 CLEAN 600	101,0	602	535	1,26	1,08	241,6		60,9	70,8	53,2	36,8	21,9	1,282
TESI 4 CLEAN 600	139,0	602	535	1,67	1,39	303,0		76,4	88,8	66,5	45,8	27,0	1,298
TESI 5 CLEAN 600	177,0	602	535	2,15	1,58	371,2		93,6	108,8	81,5	56,2	33,3	1,293
TESI 6 CLEAN 600	215,0	602	535	2,55	1,88	440,1		110,9	129,0	96,9	67,0	39,9	1,282

TESI 2 CLEAN 650	65,0	652	585	1,00	0,82	193,1		48,7	56,6	42,6	29,5	17,6	1,277
TESI 3 CLEAN 650	101,0	652	585	1,35	1,15	260,7		65,7	76,4	57,3	39,6	23,5	1,286
TESI 4 CLEAN 650	139,0	652	585	1,78	1,47	326,9		82,4	95,8	71,7	49,3	29,1	1,302
TESI 5 CLEAN 650	177,0	652	585	2,29	1,68	400,2		100,9	117,3	87,8	60,5	35,8	1,296
TESI 6 CLEAN 650	215,0	652	585	2,72	2,00	474,3		119,5	139,0	104,4	72,1	42,9	1,284
TESI 2 CLEAN 750	65,0	752	685	1,12	0,90	220,8		55,6	64,7	48,6	33,6	20,0	1,281
TESI 3 CLEAN 750	101,0	752	685	1,53	1,27	298,6		75,2	87,5	65,5	45,2	26,7	1,294
TESI 4 CLEAN 750	139,0	752	685	2,02	1,64	374,3		94,3	109,7	81,9	56,2	33,0	1,310
TESI 5 CLEAN 750	177,0	752	685	2,59	1,89	457,5		115,3	134,1	100,3	69,0	40,7	1,301
TESI 6 CLEAN 750	215,0	752	685	3,08	2,25	542,5		136,7	159,0	119,3	82,3	48,8	1,288
TESI 2 CLEAN 900	65,0	902	835	1,29	1,03	262,0		66,0	76,8	57,6	39,8	23,6	1,286
TESI 3 CLEAN 900	101,0	902	835	1,80	1,46	354,8		89,4	104,0	77,7	53,4	31,4	1,306
TESI 4 CLEAN 900	139,0	902	835	2,38	1,89	444,9		112,1	130,4	97,1	66,4	38,8	1,322
TESI 5 CLEAN 900	177,0	902	835	3,03	2,20	542,8		136,8	159,1	118,8	81,5	47,9	1,310
TESI 6 CLEAN 900	215,0	902	835	3,61	2,63	643,2		162,1	188,5	141,2	97,3	57,5	1,295
TESI 2 CLEAN 1000	65,0	1002	935	1,50	1,10	289,7		73,0	84,9	63,7	43,9	26,0	1,290

TESI 3 CLEAN 1000	101,0	1002	935	2,11	1,56	392,0		98,8	114,9	85,7	58,7	34,5	1,315
TESI 4 CLEAN 1000	139,0	1002	935	2,79	2,03	491,3		123,8	144,0	107,0	73,0	42,6	1,330
TESI 5 CLEAN 1000	177,0	1002	935	3,56	2,38	599,1		151,0	175,6	130,9	89,7	52,6	1,316
TESI 6 CLEAN 1000	215,0	1002	935	4,24	2,84	709,7		178,9	208,0	155,6	107,1	63,2	1,300
TESI 2 CLEAN 1200	65,0	1202	1135	1,76	1,26	344,3		86,8	100,9	75,6	52,1	30,8	1,296
TESI 3 CLEAN 1200	101,0	1202	1135	2,50	1,81	466,1		117,5	136,6	101,8	69,8	40,9	1,316
TESI 4 CLEAN 1200	139,0	1202	1135	3,31	2,36	583,5		147,1	171,0	127,2	86,8	50,7	1,327
TESI 5 CLEAN 1200	177,0	1202	1135	4,20	2,79	710,0		179,0	208,1	155,2	106,3	62,4	1,315
TESI 6 CLEAN 1200	215,0	1202	1135	5,02	3,33	841,1		212,0	246,5	184,4	126,8	74,8	1,301
TESI 2 CLEAN 1500	65,0	1502	1435	2,15	1,51	426,8		107,6	125,1	93,5	64,3	37,9	1,303
TESI 3 CLEAN 1500	101,0	1502	1435	3,08	2,18	575,9		145,2	168,8	125,8	86,1	50,5	1,318
TESI 4 CLEAN 1500	139,0	1502	1435	4,09	2,85	719,6		181,4	210,9	157,0	107,3	62,7	1,324
TESI 5 CLEAN 1500	177,0	1502	1435	5,18	3,40	873,8		220,2	256,1	191,0	130,8	76,8	1,315
TESI 6 CLEAN 1500	215,0	1502	1435	6,18	4,07	1.034,9		260,8	303,3	226,8	155,9	92,0	1,302
TESI 2 CLEAN 1800	65,0	1802	1735	2,54	1,75	509,8		128,5	149,4	111,5	76,5	45,0	1,311
TESI 3 CLEAN 1800	101,0	1802	1735	3,67	2,54	684,1		172,4	200,5	149,4	102,2	59,9	1,319

TESI 4 CLEAN 1800	139,0	1802	1735	4,87	3,34	853,3		215,1	250,1	186,3	127,4	74,6	1,320
TESI 5 CLEAN 1800	177,0	1802	1735	6,15	4,01	1.034,2		260,7	303,1	226,1	154,9	90,9	1,314
TESI 6 CLEAN 1800	215,0	1802	1735	7,35	4,80	1.224,6		308,6	358,9	268,3	184,4	108,7	1,304
TESI 2 CLEAN 2000	65,0	2002	1935	2,80	1,92	565,4		142,5	165,7	123,8	85,0	50,1	1,306
TESI 3 CLEAN 2000	101,0	2002	1935	4,05	2,79	755,4		190,4	221,4	165,0	112,9	66,1	1,319
TESI 4 CLEAN 2000	139,0	2002	1935	5,39	3,66	941,0		237,2	275,8	205,5	140,6	82,3	1,320
TESI 5 CLEAN 2000	177,0	2002	1935	6,80	4,42	1.139,6		287,2	334,0	249,1	170,6	100,1	1,315
TESI 6 CLEAN 2000	215,0	2002	1935	8,13	5,29	1.349,1		340,0	395,4	295,1	202,3	118,9	1,312
TESI 2 CLEAN 2200	65,0	2202	2135	3,06	2,08	621,0		156,5	182,0	136,1	93,6	55,2	1,302
TESI 3 CLEAN 2200	101,0	2202	2135	4,44	3,03	826,4		208,3	242,2	180,5	123,5	72,4	1,318
TESI 4 CLEAN 2200	139,0	2202	2135	5,90	3,99	1.028,0		259,1	301,3	224,5	153,6	90,0	1,319
TESI 5 CLEAN 2200	177,0	2202	2135	7,44	4,83	1.243,7		313,5	364,5	271,7	186,1	109,1	1,317
TESI 6 CLEAN 2200	215,0	2202	2135	8,90	5,78	1.472,3		371,1	431,5	321,4	219,9	128,8	1,320
TESI 2 CLEAN 2500	65,0	2502	2435	3,45	2,32	705,6		177,8	206,8	154,9	106,8	63,1	1,295
TESI 3 CLEAN 2500	101,0	2502	2435	5,03	3,40	931,8		234,9	273,1	203,6	139,4	81,8	1,316
TESI 4 CLEAN 2500	139,0	2502	2435	6,68	4,48	1.157,0		291,6	339,1	252,7	172,9	101,3	1,319

TESI 5 CLEAN 2500	177,0	2502	2435	8,42	5,44	1.397,6		352,3	409,6	305,2	208,9	122,4	1,318
TESI 6 CLEAN 2500	215,0	2502	2435	10,07	6,52	1.654,5		417,0	484,9	360,2	245,6	143,1	1,332

Thanks to the high performance of Irsap Tesi radiators, the ideal Δt for low temperature projects is Δt at 30°C.

For Δt different from 50°C use the formula: Q=Qn (Δt / 50)n

Data Set

Length (mm) sub>	NÂ° Elements		194	302	352	367	402	452	502	552	602	652	752	902	1002	1202	1502	1802	2002	2202	2502
130	2	Watt =	70	113	131	162	176	80	89	130	178	192	268	318	416	493	607	718	331	484	546
195	3	Watt =	105	170	196	243	264	121	133	196	266	287	402	477	624	740	910	1077	497	727	819
260	4	Watt =	140	227	262	324	352	161	177	261	355	383	536	636	832	986	1213	1436	663	969	1092
325	5	Watt =	174	284	328	404	440	201	222	326	444	479	670	796	1040	1232	1516	1794	1107	1211	1366
390	6	Watt =	209	340	393	485	529	241	266	391	533	575	805	955	1248	1479	1820	2153	1328	1453	1639
455	7	Watt =	244	397	458	566	617	281	310	456	622	671	939	1114	1456	1726	2123	2512	1550	1695	1912
520	8	Watt =	279	454	524	647	705	322	354	522	710	766	1073	1273	1664	1972	2426	2871	1771	1938	2185
585	9	Watt =	314	510	590	728	793	362	399	587	799	862	1207	1432	1872	2218	2730	3230	1993	2180	2458
650	10	Watt =	349	567	777	809	881	402	443	652	888	1173	1341	1591	2080	2465	3033	1494	2214	2422	2731
715	11	Watt =	384	624	855	890	969	442	654	717	977	1290	1475	1750	2288	2712	3336	1643	2435	2664	3730
780	12	Watt =	419	680	932	971	1057	482	714	782	1066	1408	1609	1909	2496	2958	3640	1793	2657	2906	4069
845	13	Watt =	454	737	1010	1052	1145	523	774	848	1154	1525	1743	2068	2704	3204	3943	1942	2878	3149	2688
910	14	Watt =	489	794	1088	1133	1233	563	833	913	1243	1642	1877	2227	2912	3451	4246	2092	3100	3391	2895
975	15	Watt =	524	850	1166	1214	1322	603	892	978	1332	1760	2012	2386	3120	3698	4550	2241	3321	3633	3102
1040	16	Watt =	558	907	1243	1294	1410	643	952	1043	1421	1877	2146	2546	3328	3944	2002	2390	3542	2912	3309
1105	17	Watt =	593	964	1321	1375	1498	683	1012	1391	1510	1994	2280	2705	3536	4190	2127	2540	3764	3094	3516
1170	18	Watt =	628	1021	1399	1456	1586	724	1071	1472	1598	2111	2414	2864	3744	4437	2252	2689	3985	3276	3722
1235	19	Watt =	663	1077	1476	1537	1674	764	1130	1554	1687	2229	2548	3023	3952	4684	2377	2839	4207		
1300	20	Watt =	698	1134	1554	1618	1762	804	1190	1636	1776	2346	2682	3182	4160	4930	2502	2988	4428		
1365	21	Watt =	733	1191	1632	1699	1850	844	1250	1718	1865	2463	2816	3341	4368	5176	2627	3137	3480		
1430	22	Watt =	768	1247	1709	1780	1938	884	1309	1800	1954	2581	2950	3500	4576	5423	2752	3287	3645		

1495	23	Watt =	803	1304	1787	1861	2026	925	1368	1881	2042	2698	3084	4336	4784	5670	2877
1560	24	Watt =	838	1361	1865	1942	2114	965	1428	1963	2131	2815	3218	4524	4992	5916	3002
1625	25	Watt =	872	1418	1942	2023	2202	1005	1488	2045	2220	2932	3352	4712	5200	6162	3128
1690	26	Watt =	907	1474	2020	2103	936	1045	1547	2127	2309	3050	3487	1997	2207	2623	3253
1755	27	Watt =	942	1531	2098	2184	972	1085	1606	2209	2398	3167	3621	2074	2292	2724	
1820	28	Watt =	977	1588	2176	2265	1008	1126	1666	2290	2486	3284	3755	2150	2377	2825	

Colors and Finishes

STANDARD

Bianco Standard
Cod. 01

CLASSIC

Bianco Edelweiss Opaco
Cod. 34

Bianco Whisper Peach
Cod. 36

Avorio - RAL 1013
Cod. 02

Jasmin Opaco
Cod. 35

Beige Naturale
Cod. 38

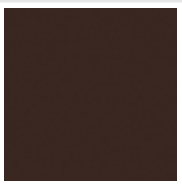
Beige Cream
Cod. 26

Giallo - RAL 1021
Cod. 04

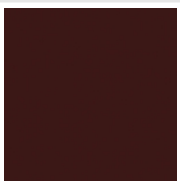
Giallo Melone - RAL 1028
Cod. E7

Arancio - RAL 2004
Cod. 17

Marrone Ruggine - RAL 8004
Cod. E1



Marrone - RAL 8017
Cod. 09

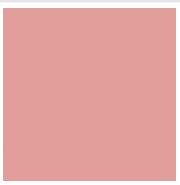


Vinaccia - RAL 3005
Cod. H9

Amaranto - RAL 3003
Cod. 06

Rosso - RAL 3000
Cod. 05

Rosso Fragola - RAL 3018
Cod. Y3



Rosa - RAL 3015
Cod. R2

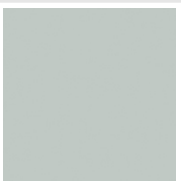
Lilla Bluastro - RAL 4005
Cod. R3

Porpora Traffico - RAL 4006
Cod. R6

Verde Bosco - RAL 6005
Cod. 19

Verde Erba - RAL 6018
Cod. N3

Verde Salvia - RAL 6021
Cod. E6

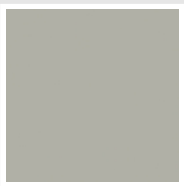


Verde Greenwich
Cod. 28

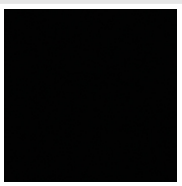
Blu Pastello - RAL 5024
Cod. G7

Blu Colomba - RAL 5014
Cod. G9

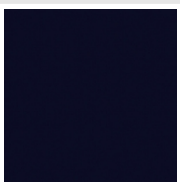
Blu Hewi
Cod. 11



Grigio Manhattan
Cod. 03



Nero - RAL 9005
Cod. 10



Deep Blue
Cod. 2F

SPECIAL

Bianco Perla
Cod. 16

Quartz 1
Cod. 1C

Sablé
Cod. Y4

Quartz 2
Cod. 2C

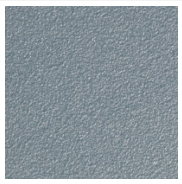
Sunstone
Cod. 2D

Petra
Cod. 3D

Bruno Tabacco
Cod. 1B

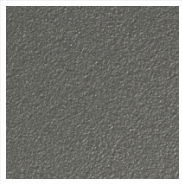
Flame Red
Cod. 7D

Purple Blue
Cod. 1D

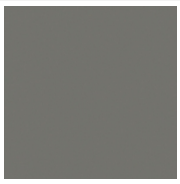


Azurite
Cod. 6D

Azurite 3
Cod. 6C



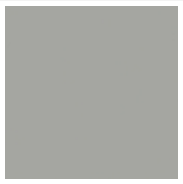
Grigio Medio
Cod. 4D



Grigio Titanio Metallizzato - RAL 9023
Cod. L3

Grigio Silver
Cod. 5D

Grigio Perla
Cod. L6



Grigio Alluminio - RAL 9006
Cod. B4

Nero Grafite
Cod. 18

Grigio Quarzo
Cod. 31

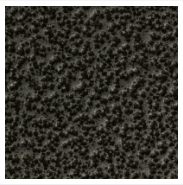
Nero Satinato
Cod. 30

Luxury White
Cod. J7

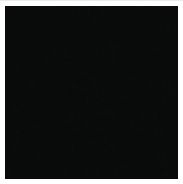
Bianco Opaco
Cod. J8

Nero Opaco
Cod. K1

Bronzo
Cod. J9



Grigio Martellato
Cod. 32



Luxury Black
Cod. J3

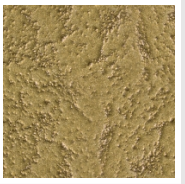
Rame Martellato
Cod. J4

SURFACES

Trattamento Loft
Cod. TR

Taftah Argento
Cod. K4

Taftah Platino
Cod. K3



Taftah Oro
Cod. K2

Grey Shadow
Cod. X6

The Colors used in this folder are not considered binding. The different technological painting processes and the materials used for the realization can not have a perfect color match with the delivered product. Irsap company reserves the right to introduce at any time whatever modifications necessary to the improvement of the product.