

for laser, motor spindles and plastics processing

Rev. 12-1109 Page 1 of 1
Uncontrolled Document



Type	Cooling capacity outlet temperature		Pump	Vent.	Com-pressor	Pump		Con-tainer	Weight*	Connec-tion	Air Volume	Noise	Dimensions			Drawing No.
	20°C/kW	10°C/kW				kw	kw						kW	l/min	bar	
WRK 03	0,84	0,7	0,07	-	0,43	4	1,5	6	30	G3/8"	6	68	570	400	315	3833-3833
04	1,30	0,9	0,07	-	0,73	4	1,5	6	30	G3/8"	6	68	570	400	315	3833-3833
05	2,30	1,6	0,33	0,13	0,93	12	3,0	16	50	G1/2"	13	70	400	400	860	3924-3924
06	2,47	1,72	0,33	0,07	1,24	12	3,0	16	84	R1/2"	16	70	580	580	840	1492-1166
08	4,50	3,6	0,33	0,07	1,70	12	3,0	40	95	R1/2"	18	71	580	580	840	1492-1166
10	6,35	5,15	0,76	0,3	2,07	20	4,1	40	105	R3/4"	45	71	680	580	1070	1257-1257
20	7,65	5,80	0,55	0,3	2,44	15	3,1	70	105	R3/4"	60	73	680	680	1070	1493-1167
30	10,44	8,12	0,55	0,3	3,42	23	2,9	70	132	R3/4"	60	73	680	680	1070	1493-1167
40	12,76	10,44	0,55	0,4	4,25	30	2,8	120	155	R3/4"	66	75	900	680	1140	1494-1311
50	17,40	13,92	0,55	0,4	5,60	40	2,7	120	160	R3/4"	66	75	900	680	1140	1494-1311
58	22,50	18,00	0,55	0,57	6,35	45	2,6	120	200	R3/4"	80	75	950	800	1600	4052-1331
60	25,52	20,88	0,55	2x0,4	7,8	50	2,2	180	270	R1"	105	77	1400	900	1280	4053-1307
70	33,64	27,84	1,10	2x0,4	11,0	60	4,6	180	320	R1"	105	77	1400	900	1280	4053-1307
80	38,00	31,00	1,10	2x0,57	11,0	70	3,8	300	605	R1 1/2"	180	78	2000	800	1600	4054-1348
90	43,50	35,70	1,65	2x0,57	12,6	100	3,5	300	660	R1 1/2"	180	78	2000	800	1600	4054-1348
93	61,00	48,80	2,46	2x3,0	16,0	170	3,3	500	1000	R1 1/2"	420	79	2260	1300	1705	4055-1381
95	75,00	60,50	2,76	2x3,0	20,3	215	3,1	500	1200	DN50	420	79	2260	1300	1705	4055-1381
97	91,00	72,80	3,00	2x3,0	24,1	260	3,8	500	1500	DN50	420	79	2710	1300	2130	4056-1382
100	106,00	85,00	3,00	2x3,0	30,5	285	3,4	1000	1700	DN50	530	79	2710	1300	2130	4056-1382

* applicable to the corresponding basic equipment

Including a fully hermetical cooling agent compressor for the cooling of clean water, glycol mix or emulsion. A powerful water pump (WRK30-100 made of stainless steel), a container and a complete electrical control system are incorporated.

The special evaporator allows preliminary water temperatures of up to approx. 2 degrees C without anti-freezer. Even complete freezing will not cause any defects or total failure. Avoid excessive expenses for cooling water and complicated installations by using a sophisticated installation system, and use Water Re-Coolers made by BKW instead.

Application

Welding machines, laser-plasma plants, electron microscopes, X-ray tubes, hydraulic systems (indirect), plastics injection moulding machines, cleaning and degreasing systems, air conditioning equipment etc.

A stainless, 300 – 400 – 500 ltr. steel boiler is available as an accessory part for heat recovery applications. It is particularly recommended to equip the Water Re-Cooler with a heat pump condenser. This allows the heating of water to 418 K (45 degrees C) for a variety of applications at "zero cost". Cold and warm water temperatures can be adjusted individually in a range of 0 to 60°C (TD 3K) via display thermostats. If the temperatures at the place of your installation drop under 283 K (10 degrees C), please indicate this in your purchase order.