

Partial Pressure Of Oxygen In Water (pO₂) - at different temperatures and barometric pressures:

Variable 1: Barometric Pressure:	101,30	kPa	=	760,00	kPa
Variable 2: Temperature:	10,00	Deg C	=		
Calc. partial pressure of O ₂ , pO ₂ :	157,22	mmHg	=	20,96	kPa

Oxygen partial pressure (mmHg) at different barometric pressures and temperatures. = ((Pbp-Pvap)*.2094)

Temperature	0	2	4	5	6	8	10	15	20	25	30	35	40	
Pvap, mmHg	4,58	5,29	6,10	6,54	7,01	8,04	9,20	12,78	17,53	23,75	31,82	42,18	55,34	
Pvap, kPa	0,61	0,71	0,81	0,87	0,93	1,07	1,23	1,70	2,34	3,17	4,24	5,62	7,38	
Pbp, hPa	Pbp, mmhg													
98,00	735,2	20,40	20,38	20,36	20,34	20,33	20,30	20,27	20,18	20,05	19,88	19,66	19,38	19,03
98,20	736,7	20,44	20,42	20,40	20,39	20,37	20,35	20,31	20,22	20,09	19,92	19,70	19,42	19,07
98,40	738,2	20,48	20,46	20,44	20,43	20,41	20,39	20,36	20,26	20,13	19,96	19,74	19,46	19,10
98,60	739,7	20,52	20,50	20,48	20,47	20,46	20,43	20,40	20,30	20,17	20,00	19,78	19,50	19,14
98,80	741,2	20,56	20,54	20,52	20,51	20,50	20,47	20,44	20,34	20,21	20,04	19,82	19,54	19,18
99,00	742,7	20,61	20,59	20,56	20,55	20,54	20,51	20,48	20,38	20,25	20,08	19,86	19,58	19,22
99,20	744,2	20,65	20,63	20,61	20,59	20,58	20,55	20,52	20,42	20,29	20,12	19,90	19,62	19,26
99,40	745,7	20,69	20,67	20,65	20,64	20,62	20,59	20,56	20,46	20,33	20,16	19,94	19,66	19,30
99,60	747,2	20,73	20,71	20,69	20,68	20,66	20,64	20,60	20,51	20,38	20,20	19,98	19,70	19,34
99,80	748,7	20,77	20,75	20,73	20,72	20,71	20,68	20,65	20,55	20,42	20,24	20,02	19,74	19,38
100,00	750,2	20,81	20,79	20,77	20,76	20,75	20,72	20,69	20,59	20,46	20,29	20,06	19,78	19,42
100,20	751,7	20,86	20,84	20,81	20,80	20,79	20,76	20,73	20,63	20,50	20,33	20,10	19,82	19,45
100,40	753,2	20,90	20,88	20,86	20,84	20,83	20,80	20,77	20,67	20,54	20,37	20,14	19,86	19,49
100,60	754,7	20,94	20,92	20,90	20,88	20,87	20,84	20,81	20,71	20,58	20,41	20,18	19,90	19,53
100,80	756,2	20,98	20,96	20,94	20,93	20,91	20,88	20,85	20,75	20,62	20,45	20,22	19,94	19,57
101,00	757,7	21,02	21,00	20,98	20,97	20,95	20,93	20,89	20,79	20,66	20,49	20,26	19,98	19,61
101,20	759,2	21,06	21,04	21,02	21,01	21,00	20,97	20,93	20,83	20,70	20,53	20,30	20,02	19,65
101,40	760,8	21,11	21,09	21,06	21,05	21,04	21,01	20,98	20,88	20,74	20,57	20,34	20,05	19,69
101,60	762,3	21,15	21,13	21,10	21,09	21,08	21,05	21,02	20,92	20,78	20,61	20,38	20,09	19,73
101,80	763,8	21,19	21,17	21,15	21,13	21,12	21,09	21,06	20,96	20,83	20,65	20,42	20,13	19,76
102,00	765,3	21,23	21,21	21,19	21,18	21,16	21,13	21,10	21,00	20,87	20,69	20,46	20,17	19,80
102,20	766,8	21,27	21,25	21,23	21,22	21,20	21,17	21,14	21,04	20,91	20,73	20,50	20,21	19,84
102,40	768,3	21,31	21,29	21,27	21,26	21,24	21,22	21,18	21,08	20,95	20,77	20,54	20,25	19,88
102,60	769,8	21,35	21,33	21,31	21,30	21,29	21,26	21,22	21,12	20,99	20,81	20,58	20,29	19,92
102,80	771,3	21,40	21,38	21,35	21,34	21,33	21,30	21,27	21,16	21,03	20,85	20,62	20,33	19,96
103,00	772,8	21,44	21,42	21,40	21,38	21,37	21,34	21,31	21,21	21,07	20,89	20,67	20,37	20,00
103,20	774,3	21,48	21,46	21,44	21,42	21,41	21,38	21,35	21,25	21,11	20,93	20,71	20,41	20,04
103,40	775,8	21,52	21,50	21,48	21,47	21,45	21,42	21,39	21,29	21,15	20,98	20,75	20,45	20,08
103,60	777,3	21,56	21,54	21,52	21,51	21,49	21,46	21,43	21,33	21,19	21,02	20,79	20,49	20,11
103,80	778,8	21,60	21,58	21,56	21,55	21,54	21,51	21,47	21,37	21,23	21,06	20,83	20,53	20,15
104,00	780,3	21,65	21,63	21,60	21,59	21,58	21,55	21,51	21,41	21,28	21,10	20,87	20,57	20,19