



Disc plug circular: overview total static pressure

Pressure (bar) = pressure/cm ²		Backpressure in bar - All values are valid for SINGLE DISC PLUGS														
mm	cm ²	0,1	0,2	0,3	0,4	0,5	0,6	0,7	0,8	0,9	1,0	1,5	2,0	2,5	3,0	4,0
100	79	8	16	24	31	44	47	55	63	71	79	118	157	196	236	314
150	177	18	35	53	71	88	106	124	141	159	177	265	353	442	530	707
200	314	31	63	94	126	176	188	220	251	283	314	471	628	785	942	1257
250	491	49	98	147	196	245	295	344	393	442	491	736	982	1227	1473	1963
300	707	71	141	212	283	396	424	495	565	636	707	1060	1414	1767	2121	2827
400	1257	126	251	377	503	628	754	880	1005	1131	1257	1885	2513	3142	3770	5027
500	1963	196	393	589	785	1100	1178	1374	1571	1767	1963	2945	3927	4909	5890	7854
600	2827	283	565	848	1131	1414	1696	1979	2262	2545	2827	4241	5655	7069	8482	11310
700	3848	385	770	1155	1539	2155	2309	2694	3079	3464	3848	5773	7697	9621	11545	15394
800	5027	503	1005	1508	2011	2513	3016	3519	4021	4524	5027	7540	10053	12566	15080	20106
900	6362	636	1272	1909	2545	3563	3817	4453	5089	5726	6362	9543	12723	15904	19085	25447
1000	7854	785	1571	2356	3142	3927	4712	5498	6283	7069	7854	11781	15708	19635	23562	31416
1100	9503	950	1901	2851	3801	5322	5702	6652	7603	8553	9503	14255	19007	23758	28510	38013
1200	11310	1131	2262	3393	4524	5655	6786	7917	9048	10179	11310	16965	22619	28274	33929	45239
1250	12272	1227	2454	3682	4909	6136	7363	8590	9818	11045	12272	18408	24544	30680	36816	49088
1300	13273	1327	2655	3982	5309	7433	7964	9291	10619	11946	13273	19910	26546	33183	39820	53093
1400	15394	1539	3079	4618	6158	7697	9236	10776	12315	13854	15394	23091	30788	38485	46181	61575
1500	17671	1767	3534	5301	7069	9896	10603	12370	14137	15904	17671	26507	35343	44179	53014	70686
1600	20106	2011	4021	6032	8042	10053	12064	14074	16085	18096	20106	30159	40212	50265	60319	80425
1700	22698	2270	4540	6809	9079	12711	13619	15889	18158	20428	22698	34047	45396	56745	68094	90792
1800	25447	2545	5089	7634	10179	12723	15268	17813	20358	22902	25447	38170	50894	63617	76341	101788
1900	28353	2835	5671	8506	11341	15878	17012	19847	22682	25518	28353	42529	56706	70882	85059	113411
2000	31416	3142	6283	9425	12566	15708	18850	21991	25133	28274	31416	47124	62832	78540	94248	125664
2100	34636	3464	6927	10391	13854	19396	20782	24245	27709	31172	34636	51954	69272	86590	103908	138544
2200	38013	3801	7603	11404	15205	19007	22808	26609	30411	34212	38013	57020	76027	95033	114040	152053
2300	41548	4155	8310	12464	16619	23267	24929	29083	33238	37393	41548	62321	83095	103869	124643	166190
2400	45239	4524	9048	13572	18096	22619	27143	31667	36191	40715	45239	67858	90478	113097	135717	180956
2500	49087	4909	9817	14726	19635	27489	29452	34361	39270	44179	49087	73631	98175	122718	147262	196350

- Total static pressure on disc plug max. 1500 kg- sealing with single disc plugs is allowed without suoopting the plugs additionally
- Total static pressure on disc plug between 1501 - 5000 kg - sealing with single disc plugs is only permitted if the disc plugs are properly secured
- Total static pressure on disc plug between 5001 - 15000 kg - sealing with single disc plugs is only permitted if the disc plugs are properly secured and if there is no valid alternative for the disc plug
- Total static pressure on disc plug is greater than 15001 kg - the use of a single disc plug is highly discouraged

Seal