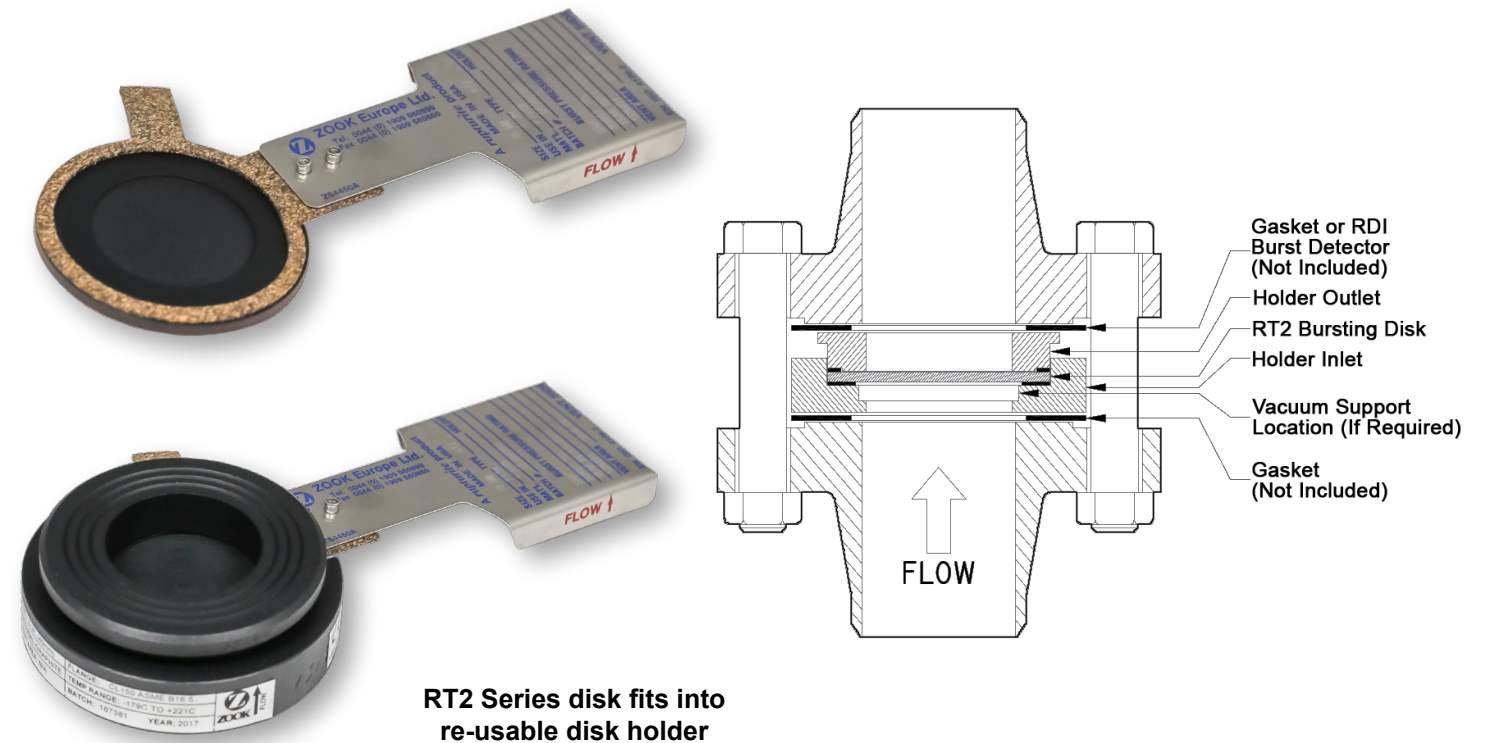


Features

- The RT2 disk is suitable for gas, liquid or vapour service
- Available in nominal sizes from 1" (25 mm) thru 12" (300 mm)
- Fits into a reusable disk holder
- The ZOOK RT2 type Graphite bursting disk is equivalent to most other manufacturers replacement element type graphite disks, i.e. EHG2, G2, Series 2, E2, and in most cases will fit into their holders (Consult ZOOK first)
- The RT2 disk can handle an operating pressure of up to 90% of the minimum rated burst pressure of the disk
- Standard burst tolerances are +/- 10% for 5 psig (0.34 barg) and above, and +/- 0.75 psig (0.05 barg) for below 5 psig (0.34 barg)
- The RT2 disk can withstand full vacuum if rated at 25 psig (1.72 barg) and above. For disks rated below 25 psig (1.72 barg), a reverse pressure support (RPS) must be fitted into the disk holder. (Note: The RPS is a fixed type vacuum support and will reduce the free flow area of the disk on burst)
- For additional corrosion resistance and wider temperature range special fluoropolymer sintered RT2T disk is available. (Minimum pressure may vary)
- Burst detection available for most applications by fitting RDI detector in place of holder outlet side gasket
- The RT2 disks will be manufactured, where applicable, in accordance to the latest pressure equipment directive (PED) 2014/68/EU (Category IV) and EN-ISO-4126-2 and are CE Marked. Burst test certificates will be supplied with the disks (Third party witness testing is also available if required)
- Standard holder materials available: Graphite, Stainless Steel and FS (fluoropolymer coated stainless steel)



RT2 Series disk fits into re-usable disk holder

Specifications

Disk Size			Assembly Heights*				MNFA				Outside Diameter												Burst Ratings								Temperature											
NPS	DN	Actual ID	Metal Holder		Graphite Holder		Graphite & Metal Holder w/o Vacuum Support		Metal Holder w/ Vacuum Support		Graphite Holder w/ Vacuum Support		ASME B16.5 Class	DIN & ISO				ISO ONLY		JIS				RT2 Type Disk				RT2T Type Disk				°F	°C									
			in	mm	in	mm	in	mm	in ²	mm ²	in ²	mm ²		in ²	mm ²	150	PN6	PN10	PN16	PN20	5K	10K	16K	20K	Min Pressure (All Flanges)	Min Pressure (All Flanges)	Max Pressure (All Flanges)	Max Pressure (All Flanges)	Min Pressure (All Flanges)	Min Pressure (All Flanges)	Max Pressure (All Flanges)			Max Pressure (All Flanges)								
1	25	25	1	25.4	0.84	21.3	1.16	29.4	0.76	490	0.46	297	0.46	299	2.50	63.5	2.52	64.0	2.80	71.1	2.80	71.1	2.50	63.5	2.48	62.9	2.80	71.1	2.80	71.1	2.80	71.1	10	0.69	1000	68.97	20	1.38	1000	68.97	-290 to 500	-179 to 260
1-½	38	40	1.5	38.1	0.96	24.3	1.26	32.0	1.94	1,251	1.08	693	1.10	712	3.25	82.5	3.39	86.1	3.62	91.9	3.62	91.9	3.25	82.5	3.15	80.0	3.39	86.1	3.39	86.1	3.39	86.1	7	0.48	1000	68.97	20	1.38	1000	68.97	-290 to 500	-179 to 260
2	50	50	2	50.8	1.03	26.1	1.33	33.7	3.04	1,961	2.15	1,385	1.88	1,218	4.00	101.6	3.78	96.0	4.21	106.9	4.21	106.9	4.00	101.6	3.54	89.9	3.98	101.0	3.98	101.0	3	0.21	300	20.69	15	1.03	300	20.69	-290 to 500	-179 to 260		
2-½	64	65	2.5	63.5	1.26	32.0	1.50	38.1	5.13	3,309	2.81	1,816	2.97	1,920	4.75	120.6	4.59	116.5	5.00	127.0	5.00	127.0	4.75	120.6	4.52	114.8	4.76	120.9	4.76	120.9	3	0.21	■	■	■	■	■	■	■	■	■	
3	76	80	3	76.2	1.33	33.7	1.68	42.6	7.79	5,025	4.28	2,759	3.74	2,415	5.25	133.3	5.20	132.0	5.59	141.9	5.59	141.9	5.25	133.3	4.96	125.9	5.16	131.0	5.39	136.9	5.39	136.9	2	0.14	300	20.69	10	0.69	300	20.69	-290 to 500	-179 to 260
4	102	100	4	101.6	1.47	37.3	1.92	48.7	12.17	7,851	8.17	5,272	7.80	5,037	6.75	171.4	5.98	151.8	6.38	162.0	6.38	162.0	6.75	171.4	5.75	146.0	6.14	155.9	6.38	162.0	6.38	162.0	2	0.10	250	17.24	8	0.55	250	17.24	-290 to 500	-179 to 260
6	152	150	6	152.4	1.63	41.4	2.53	64.2	27.39	17,670	17.11	11,036	17.64	11,385	8.63	219.2	8.15	207.0	8.58	217.9	8.58	217.9	8.63	219.2	8.31	211.0	8.54	216.9	8.54	216.9	8.54	216.9	2	0.10	170	11.72	4	0.28	170	11.72	100 and less	38 and less
																																	2	0.10	85	5.86	8	0.55	85	5.86	>100	>38
8	203	200	8	203.2	2.02	51.3	3.35	85.0	48.69	31,412	26.75	17,259	27.6	17,806	10.88	276.3	10.31	261.8	10.75	273.0	10.75	273.0	10.88	276.3	10.12	257.0	10.51	266.9	10.51	266.9	10.51	266.9	1	0.07	170	11.72	4	0.28	170	11.72	100 and less	38 and less
																																	1	0.07	85	5.86	6	0.41	85	5.86	>100	>38
10	254	250	10	254.0	2.27	57.6	4.23	107.4	76.08	49,083	51.84	33,442	38.33	24,730	13.25	336.5	12.48	316.9	12.91	327.9	12.91	327.9	13.25	336.5	12.68	322.0	12.99	329.9	12.99	329.9	12.99	329.9	1	0.07	150	10.34	3	0.21	150	10.34	100 and less	38 and less
																																	1	0.07	80	5.52	4	0.28	80	5.52	>100	>38
12	305	300	12	304.8	2.72	69.0	5.07	128.7	109.56	70,683	58.91	38,007	60.80	39,225	16.00	406.4	14.69	373.1	14.88	377.9	14.88	377.9	16.00	406.4	14.45	367.0	14.76	374.9	14.76	374.9	14.76	374.9	1	0.07	150	10.34	3	0.21	150	10.34	100 and less	38 and less
																																	1	0.07	80	5.52	4	0.28	80	5.52	>100	>38

Notes:
 *Assembly heights exclude flange gaskets
 ▲ Max pressure based on max design Pressure/Temperature of companion flanging selected
 ■ Contact ZOOK
 • All pressures shown are based on an ambient temperature of 72°F (22°C)
 • Not all minimum/maximum pressure and temperature combinations are available. Please contact ZOOK for more information