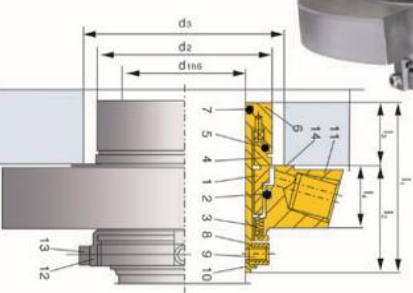


Cartex 型机械密封 Cartex Model mechanical seal

Cartridge seal
Balanced
Independent on direction of rotation
 Cartex mechanical seal are fully preassembled units for use in conventional stuffing boxes of centrifugal pumps. As single and as double seals, they are equipped with all auxiliary connections. Quality materials make them suitable for a universal range of application. Available ex stock.

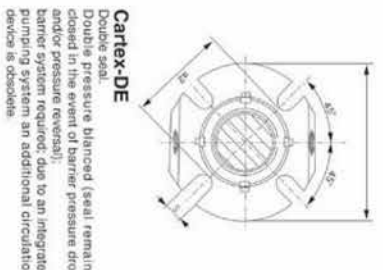
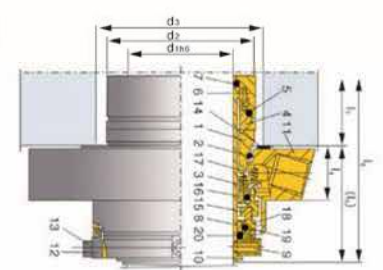


Operating limits
 $d = 25 \dots 100 \text{ mm} (1'' \dots 4'')$
 $t = 40 \dots 200^\circ \text{C}$
 $-40^\circ \text{F} \dots 428^\circ \text{F}$
 (check O-ring temp. Resistance)
 $P = 25 \text{ bar}$
 $V = 16 \text{ m/s}$, material combin. Q_1/B
 $P_2 = 12(20) \text{ bar}$
 $V_2 = 10 \text{ m/s}$
 $P_3 = 25 \text{ bar}$ Q_1/Q_2
 $\Delta p(p_3-p_1) \leq 7 \text{ bar}$ (1.5...2 bar recom.)
 Axial movement max. $\pm 1 \text{ mm}$
 *)Cartex-DE

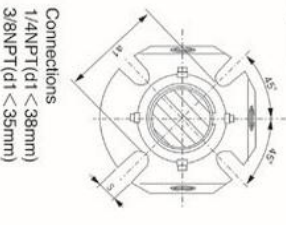


Item number Description

Item number	Description	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
1	Seal face	683	1750	2000	1693	1750	2000	2400	1693	1750	2000	2400	1693	1750	2000	2400
2	O-ring	1411	675	650	1411	675	650	1411	675	650	1411	675	650	1411	675	650
3	O-ring	692	250	198	692	250	198	692	250	198	692	250	198	692	250	198
4	Seal	1098	1111	1280	1098	1111	1280	1098	1111	1280	1098	1111	1280	1098	1111	1280
5	O-ring	117	53	50	117	53	50	117	53	50	117	53	50	117	53	50
6	Shaft sleeve	583	84	84	583	84	84	583	84	84	583	84	84	583	84	84
7	O-ring	930	950	1080	930	950	1080	930	950	1080	930	950	1080	930	950	1080
8	Drive collar	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
9	Snap ring	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	Cover plate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	Assembly fixture	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	Socket head screw	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	Gasket	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	Seal face	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	O-ring	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	Spring	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	Seal	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	O-ring	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	O-ring	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	Lip-seal	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	Plug	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1



Cartex-DE
 Double seal.
 Pairs in contact with the product are coated with Halar.
 For aggressive media such as hydrofluoric acid, bromine, hydrogen peroxide, oxidizing liquid like Cartex-DE, except Temperature=90°C (higher temperatures on request).



Materials of construction
 Seal face: Q_1, B
 Rotating seat: Q_1
 Metal components: G
 Springs: M
 O-rings: V, E, K, U_1
 Lipseal: P



Cartex-SE
 Single seal.
 Connections for steam quench and drainage

Cartex-QE
 Single seal with liquid quench. Same design as "SE", yet, including a lip seal on the atmosphere side (longer filing length).

Cartex-SO
 Single seal without connections. For "dead-end" operation

Connections
 1/4NPT(d1 < 38mm)
 3/8NPT(d1 < 35mm)