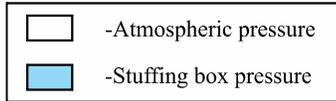


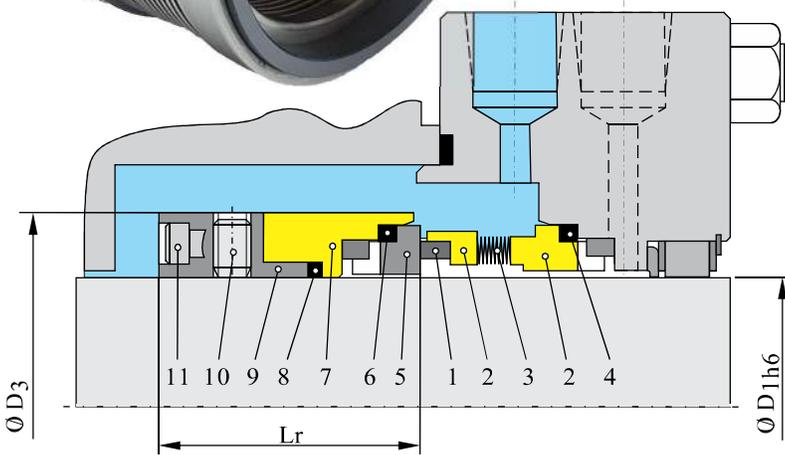
Single, Inner, Metal bellows mechanical seal, Independent of the shaft rotating direction



LIMITING FACTORS

D1= 16... 80 mm
 p1= 69 bar
 t=-75 to 425°C
 Vg= 17 m/s
 pV= 170 bar m/s

Item	Description
1.	Stationary seat
2.	Stationary housing
3.	Metal bellows
4.	Secondary seal
5.	Rotary seal ring
6.	Secondary seal
7.	Rotary housing
8.	Secondary seal
9.	Tightening ring
10.	Fixing screw
11.	Tightening screw



PRODUCT DESCRIPTION

High-performance VD12 metal bellows type.
 The VD12 type metal bellows mechanical seal is designed to operate under extremely demanding conditions. It is widely used in the refinery, petrochemical, chemical, paper-making, and pharmaceutical industries, where temperature is a critical factor. It is suitable for both low-temperature and high-temperature applications.

WORKING CONDITIONS

Temperature range from -75°C to 425°C.
 Standard metal bellows type VD12 is performed in single ply welded metal bellows pressure range from vacuum to 20 bar.
 Improved metal bellows type VD12 is performed in double ply welded metal bellows pressure range from 20 bar up to 69 bar.

MATERIALS

Seal face: SiC, TC, Carbon Antimony impregnated
 Stationary seat: SiC, TC
 Secondary seal: Flexible Carbon
 Metal Parts: AM 350, SS 316L, Inconel 718, Hastelloy C, Carpenter 42
 Optional materials on request

APPLICATION

Petrochemical

Chemical

Pharmaceutical

Pulp and paper

Metric

D1	Lr	D3
16	40	28
18	40	32
20	40	34
22	40	36
24	40	39
25	50	39,8
26	50	-
28	50	43
30	50	52
32	50	47
33	50	48,5
35	50	51
38	52,4	56
40	52,4	56,5
42	52,4	-
43	52,4	62
45	52,4	62
48	52,4	65
50	52,4	68,6
53	55,4	71
55	56,3	74
58	55,5	78
60	55,5	81
63	55,5	84
65	55,5	86
68	57,2	89
70	57,9	92,5
75	57,2	98
80	56,3	104

Inch

Seal Dash Number	D1	Lr	D3
14	0,750	-	-
16	0,875	-	-
18	1,000	1,969	1,937
20	1,125	1,969	2,062
22	1,250	1,969	2,187
24	1,375	1,938	2,312
26	1,500	2,063	2,562
28	1,625	2,060	2,562
30	1,750	2,060	2,687
32	1,875	2,062	2,812
34	2,000	2,060	2,937
36	2,125	2,182	3,187
38	2,250	2,218	3,312
40	2,375	2,186	3,437
42	2,500	2,184	3,562
44	2,625	2,250	3,687
46	2,750	2,250	3,937
48	2,875	2,281	4,062
50	3,000	2,250	4,187
52	3,125	2,250	4,312
54	3,250	2,219	4,437
56	3,375	2,282	4,562
58	3,500	2,373	4,687
60	3,625	2,375	4,812
62	3,750	2,375	4,937
64	3,875	2,377	5,062